

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 1(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 2(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 1/28/2011 10:26:19 AM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.8C_liq_tem
p_22.6C**

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

Communication System: GPRS 850; Frequency: 836.8 MHz; Duty Cycle: 1:4.2
Medium parameters used (interpolated): $f = 836.8 \text{ MHz}$; $\sigma = 0.961 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.664 mW/g

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

Reference Value = 26.4 V/m ; Power Drift = -0.359 dB

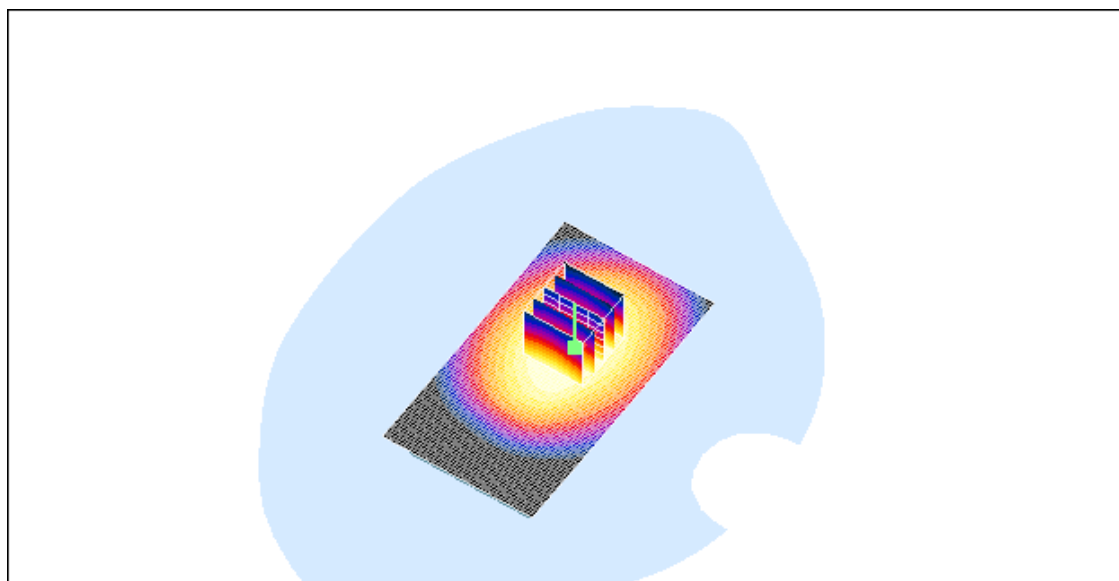
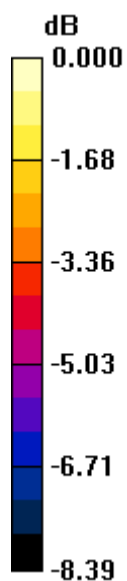
Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.589 mW/g ; SAR(10 g) = 0.440 mW/g

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

Maximum value of SAR (measured) = 0.626 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 3(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.626mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 4(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/21/2011 11:46:12 AM, Date/Time: 4/21/2011 11:53:22 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS850_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz; Communication System
PAR: 6.232 dB

Medium parameters used (interpolated): $f = 836.8 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 53.625$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.434 mW/g

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

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

Reference Value = 20.938 V/m; Power Drift = -0.10 dB

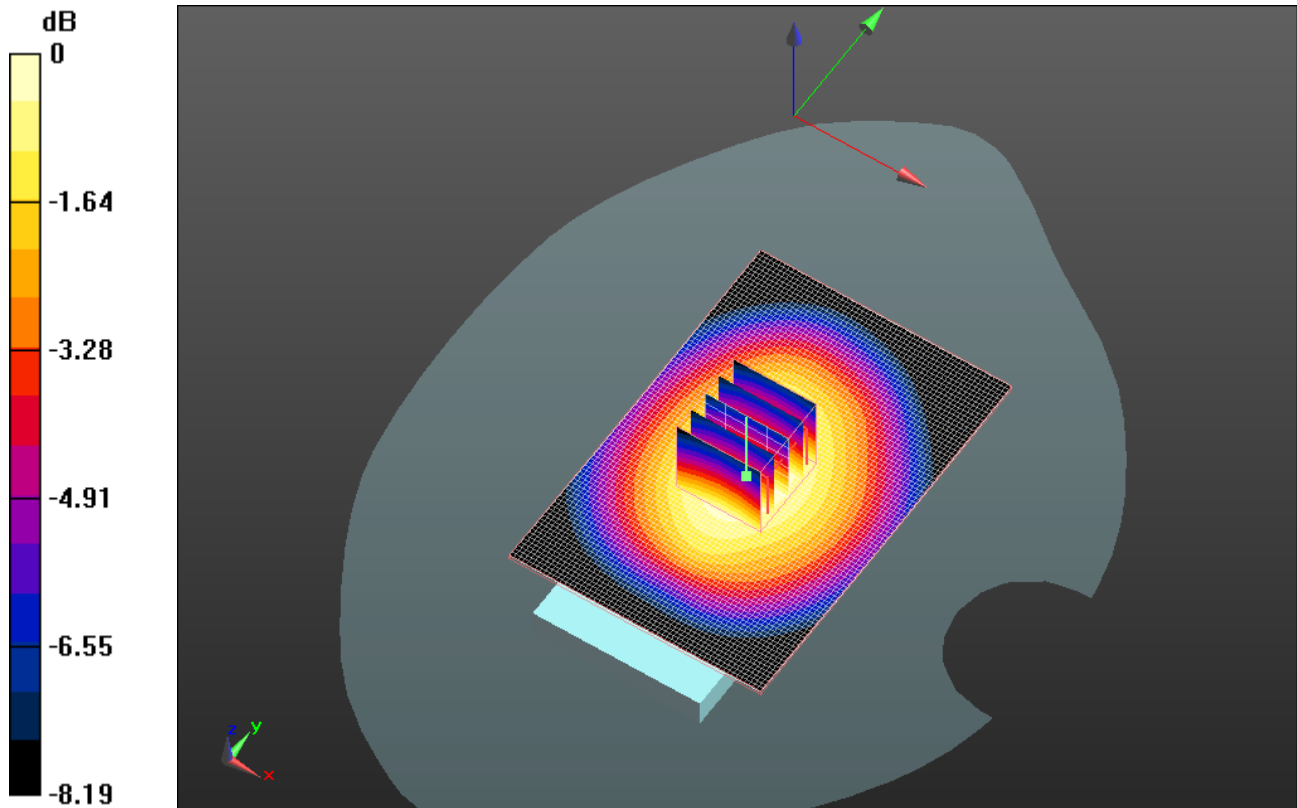
Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.308 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 5(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.426 mW/g



0 dB = 0.430mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 6(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/21/2011 12:10:47 PM, Date/Time: 4/21/2011 12:17:59 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.3_liq_temp_2 2.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz; Communication System
PAR: 6.232 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

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

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

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

Reference Value = 19.483 V/m; Power Drift = -0.40 dB

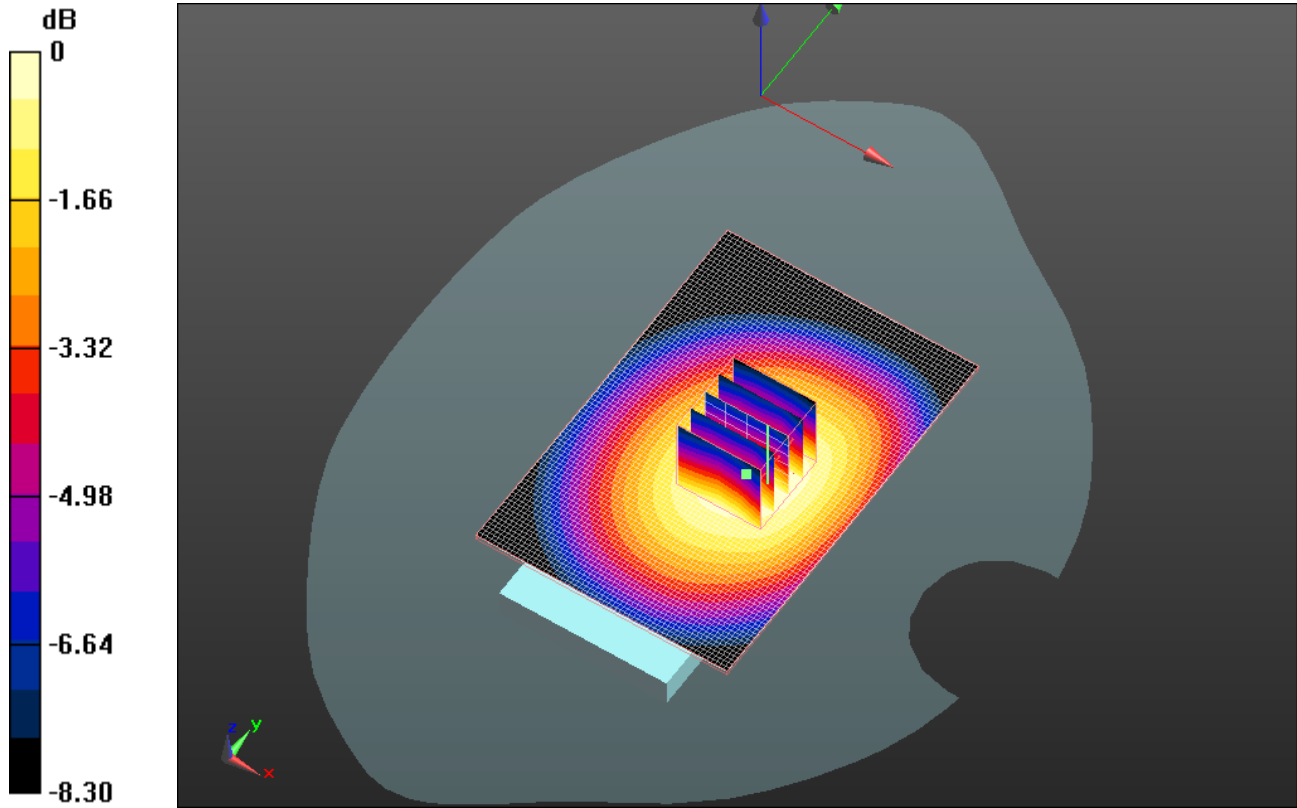
Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.252 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 7(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.366 mW/g



0 dB = 0.370mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 8(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/21/2011 2:03:32 PM, Date/Time: 4/21/2011 2:10:37 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_Back_GPRS850_mid_chan_amb_temp_23.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz; Communication System
PAR: 6.232 dB

Medium parameters used (interpolated): $f = 836.8 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 53.625$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.471 mW/g

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

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

Reference Value = 22.018 V/m; Power Drift = -0.23 dB

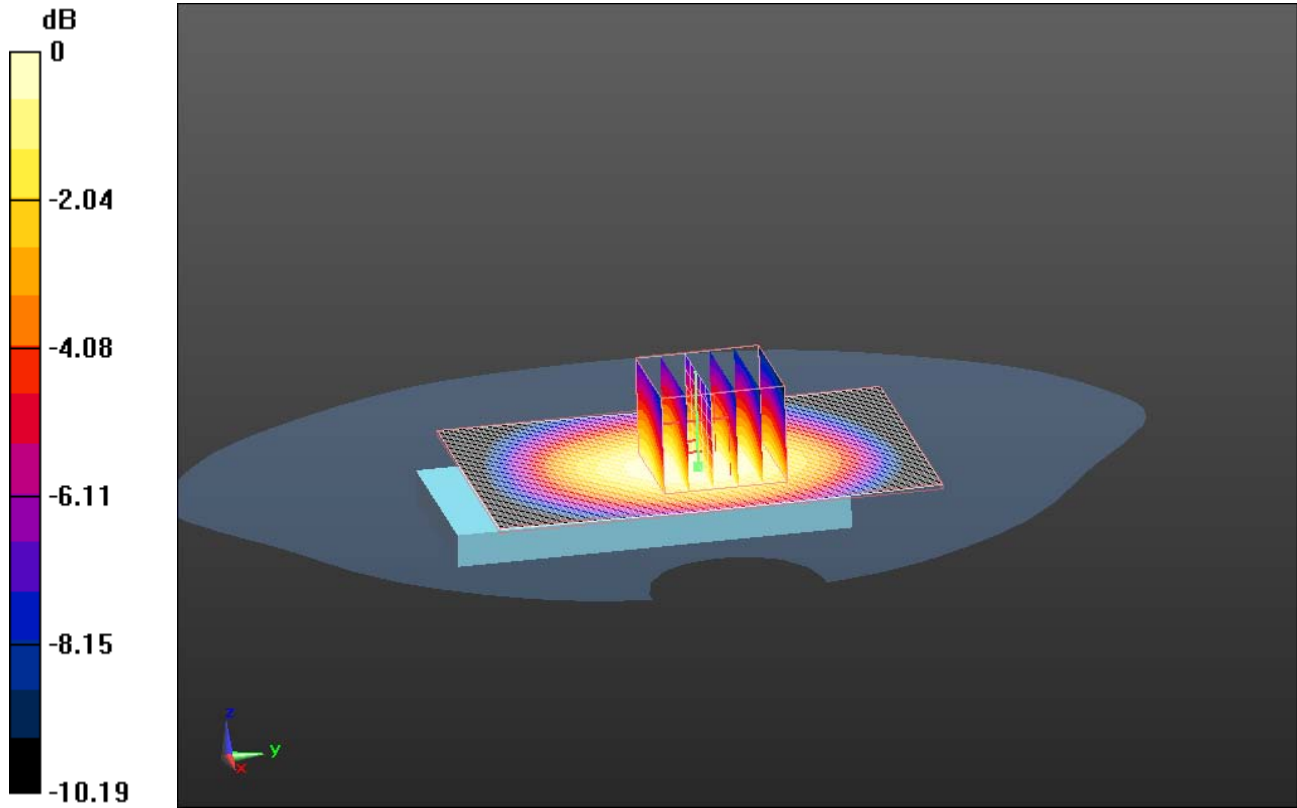
Peak SAR (extrapolated) = 0.574 W/kg

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.323 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 9(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.462 mW/g



0 dB = 0.460mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 10(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/21/2011 12:33:42 PM, Date/Time: 4/21/2011 1:04:51 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_GPRS850_3Slots_mid_chan_amb_temp_23.3_liq
_temp_22.1C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850 (3 slots); Frequency: 836.8 MHz; Communication System PAR: 4.472 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.532 mW/g

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

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

Reference Value = 23.317 V/m; Power Drift = 0.08 dB

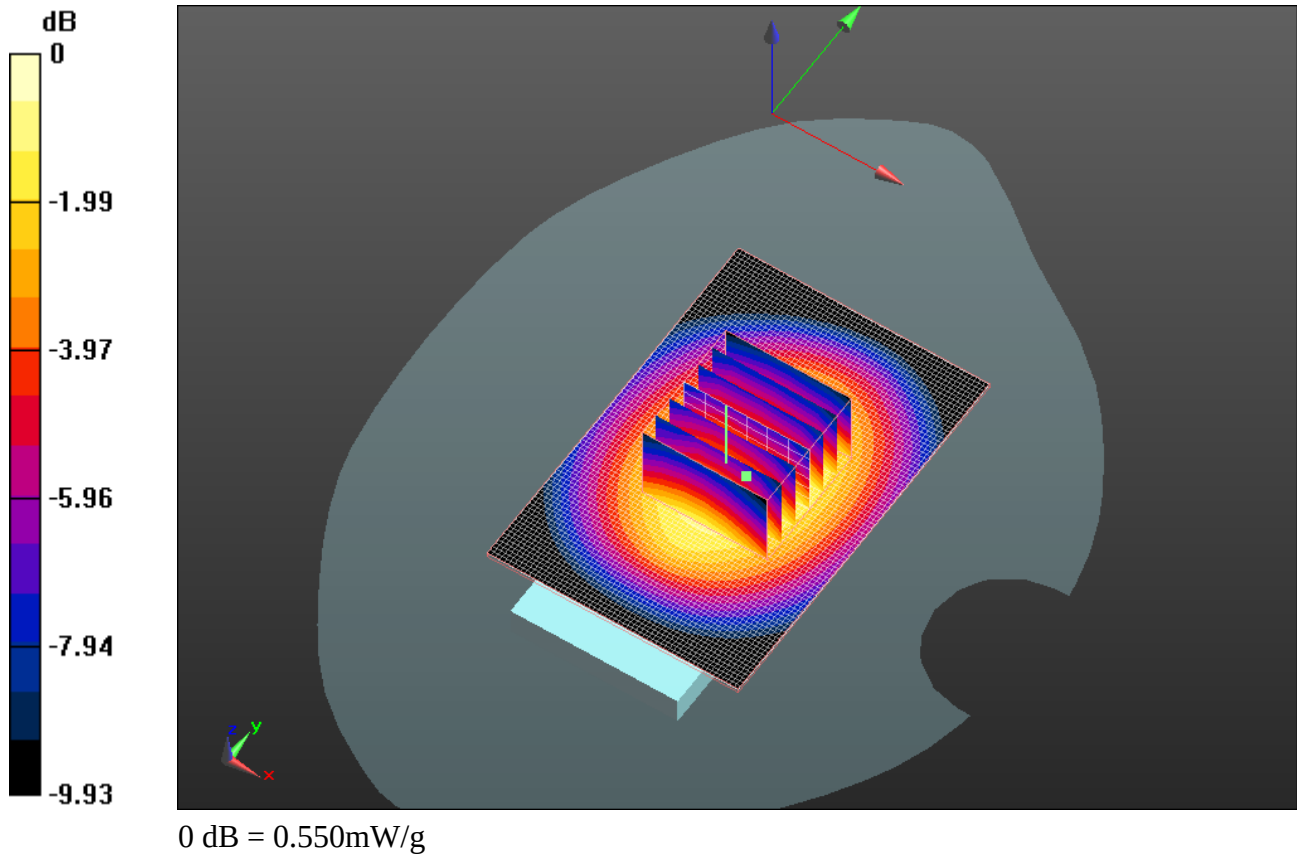
Peak SAR (extrapolated) = 0.668 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.385 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 11(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

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



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 12(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/21/2011 1:19:29 PM, Date/Time: 4/21/2011 1:44:26 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_GPRS850_4Slots_mid_chan_amb_temp_23.3_liq
_temp_22.0C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Communication System PAR: 3.222 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.498 mW/g

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

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

Reference Value = 22.635 V/m; Power Drift = 0.11 dB

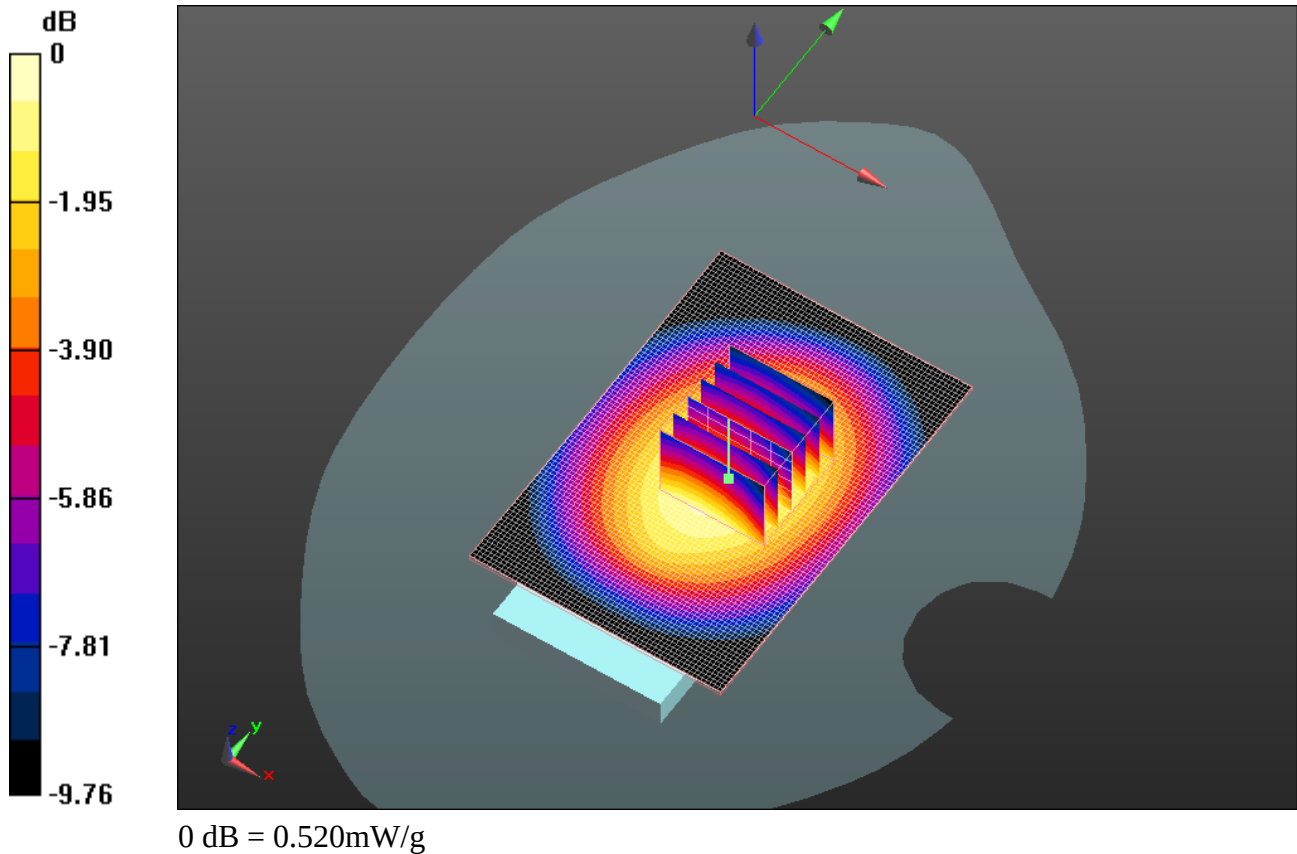
Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.363 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 13(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

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



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 14(63)
	Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW

Date/Time: 1/28/2011 3:18:35 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_CDMA800_mid_chan_amb_temp_23.2C_liq_tem p_22.1C

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

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $\sigma = 0.961 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.653 mW/g

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

Reference Value = 26.4 V/m; Power Drift = 0.162 dB

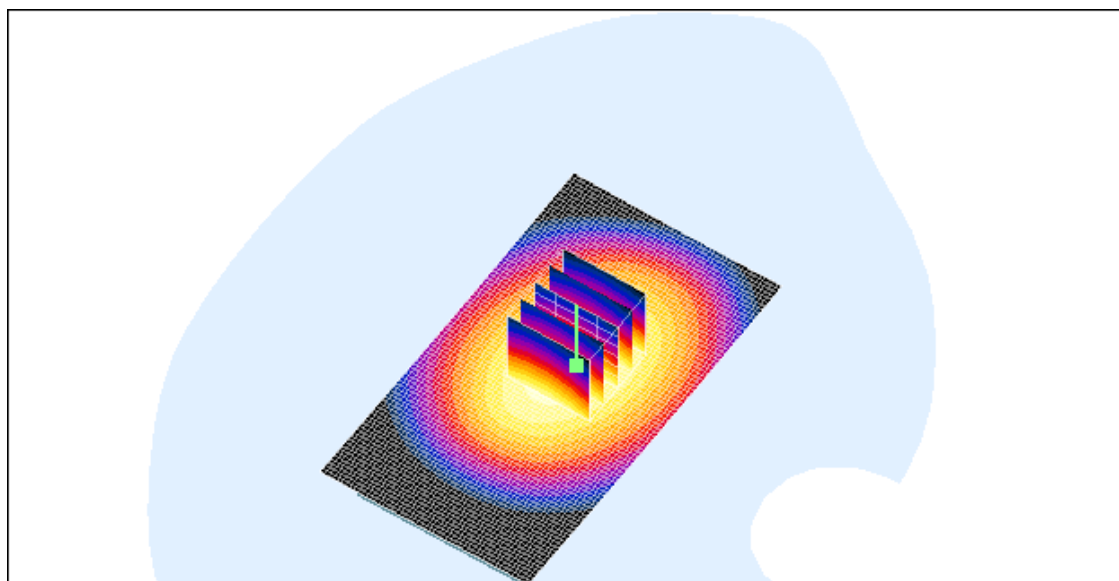
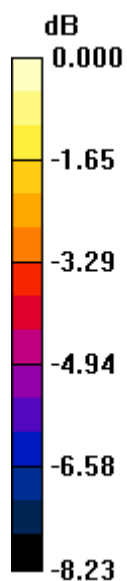
Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.465 mW/g

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

Maximum value of SAR (measured) = 0.658 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 15(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.658mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 16(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/20/2011 10:23:44 PM, Date/Time: 4/20/2011 10:30:53 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_CDMA800_mid_chan_amb_temp_23.6_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz; Communication System
PAR: 0 dB

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.627$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.521 mW/g

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

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

Reference Value = 22.874 V/m; Power Drift = 0.06 dB

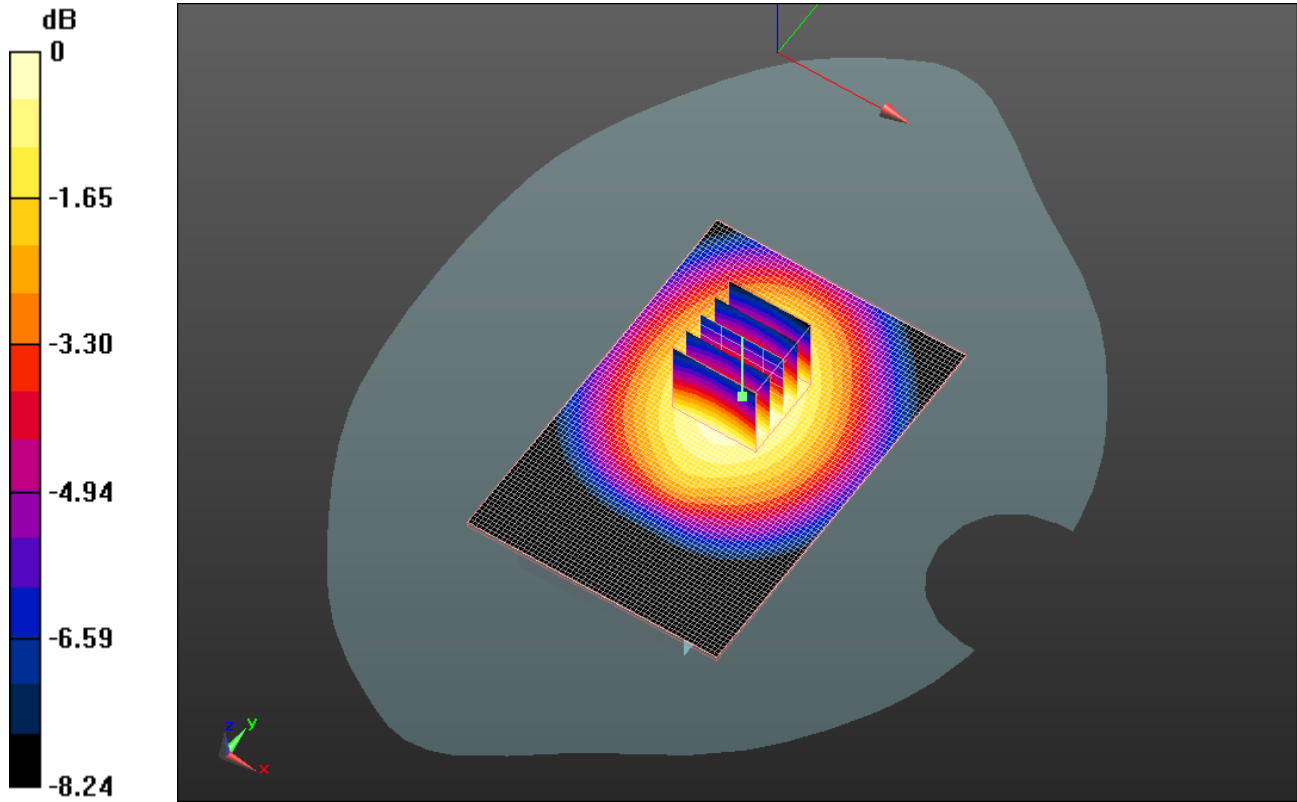
Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.371 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 17(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.523 mW/g



0 dB = 0.520mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 18(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/20/2011 10:39:35 PM, Date/Time: 4/20/2011 10:46:40 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_Headset_CDMA800_mid_chan_amb_temp_23.6_
liq_temp_22.4C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz; Communication System
PAR: 0 dB

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.627$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.471 mW/g

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

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

Reference Value = 21.916 V/m; Power Drift = 0.06 dB

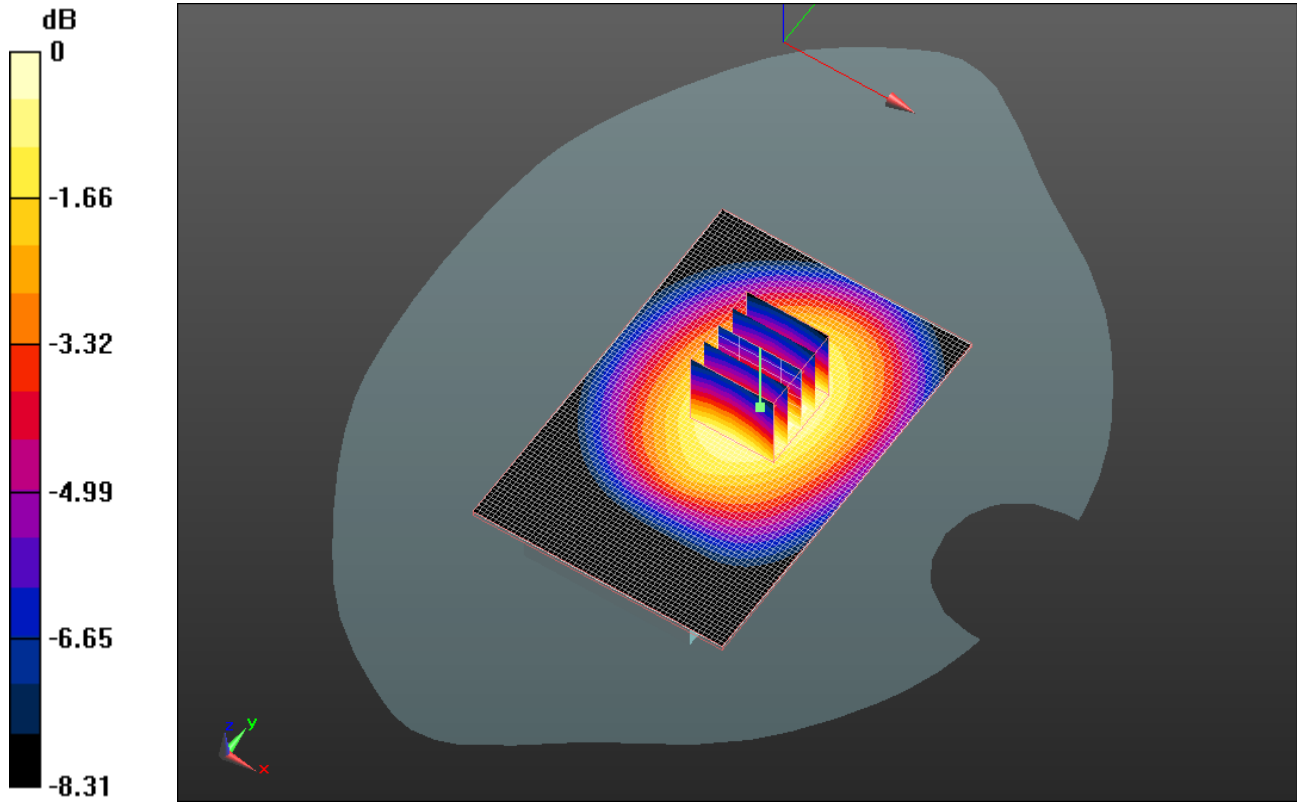
Peak SAR (extrapolated) = 0.581 W/kg

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.341 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 19(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.485 mW/g



0 dB = 0.480mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 20(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/20/2011 10:55:21 PM, Date/Time: 4/20/2011 11:02:30 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_CDMA800_mid_chan_amb_temp_23.5_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz; Communication System
PAR: 0 dB

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 53.627$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

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

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

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

Reference Value = 20.270 V/m; Power Drift = 0.18 dB

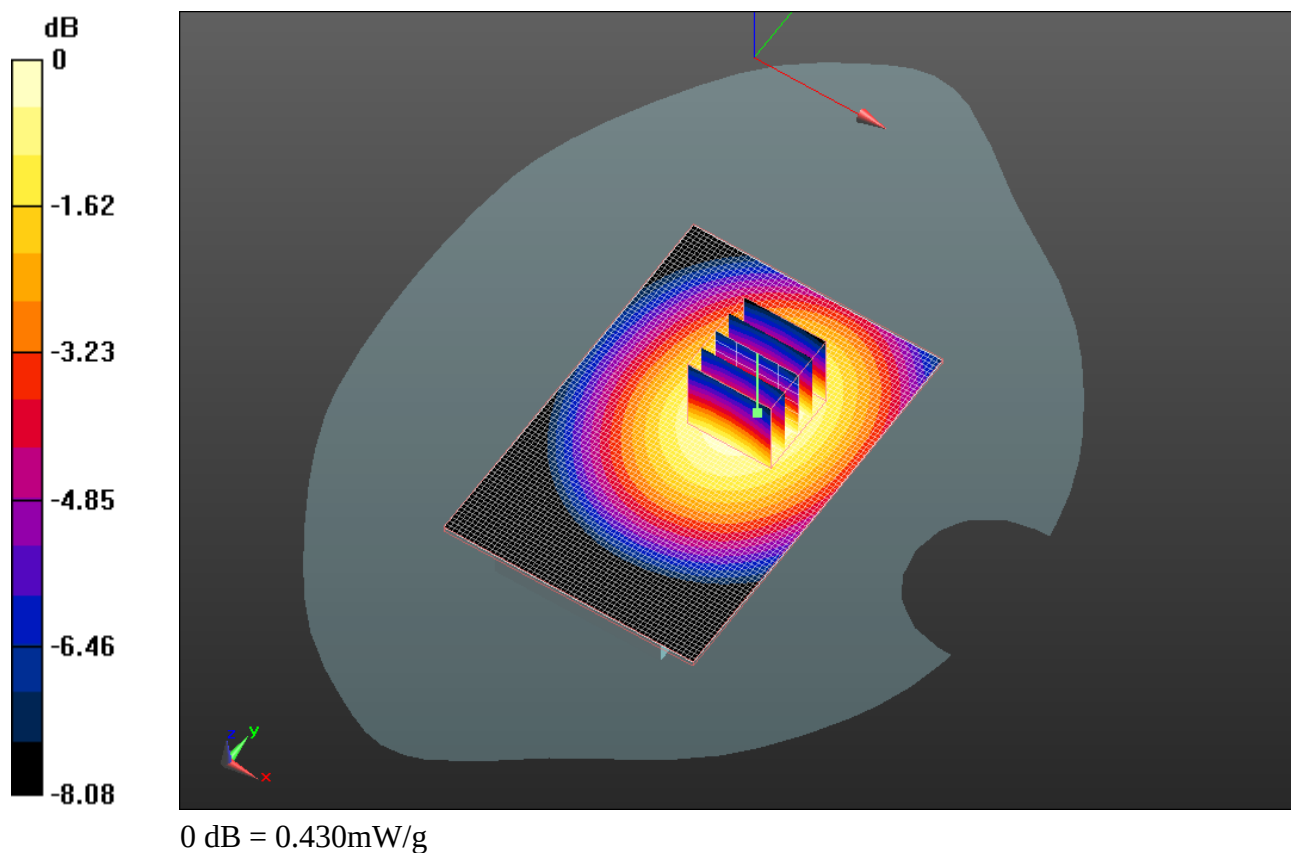
Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.302 mW/g

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

Maximum value of SAR (measured) = 0.429 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 21(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 22(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 1/20/2011 4:00:22 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_CDMA1900_mid_chan_amb_temp_23.0C_liq_tem
p_21.8C**

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

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.47 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

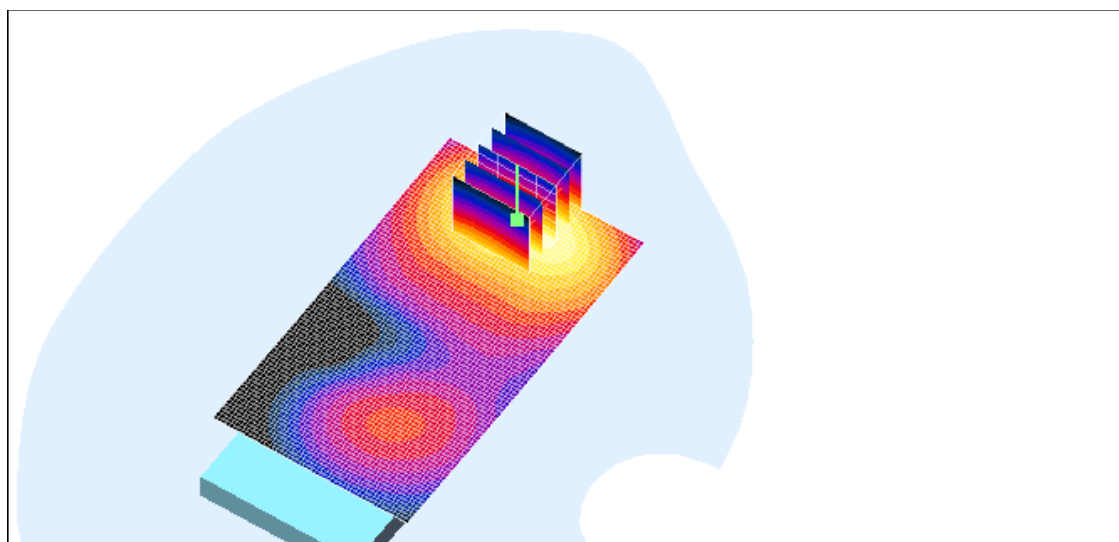
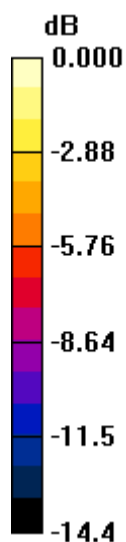
DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.666 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$,
 $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.01 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.679 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 23(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.679mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 24(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/15/2011 2:27:20 PM, Date/Time: 4/15/2011 2:33:13 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_CDMA1900_mid_chan_amb_temp_23.1_liq_tem p_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 1900; Frequency: 1880 MHz; Communication System
PAR: 0 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.238 mW/g

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

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

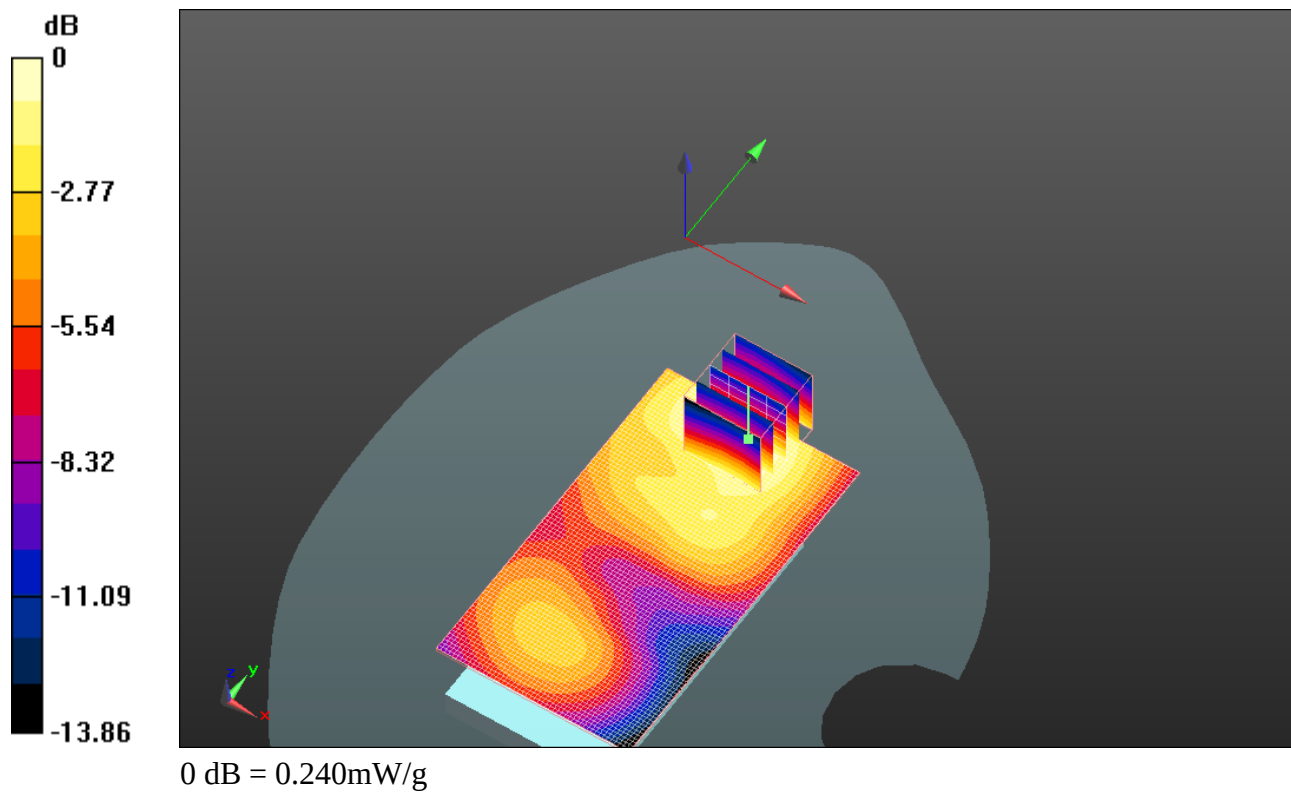
Reference Value = 5.079 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.242 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 25(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 26(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/15/2011 2:42:42 PM, Date/Time: 4/15/2011 2:48:37 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_Back_CDMA1900_mid_chan_amb_temp_23. 3_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 1900; Frequency: 1880 MHz; Communication System
PAR: 0 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.732 mW/g

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

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

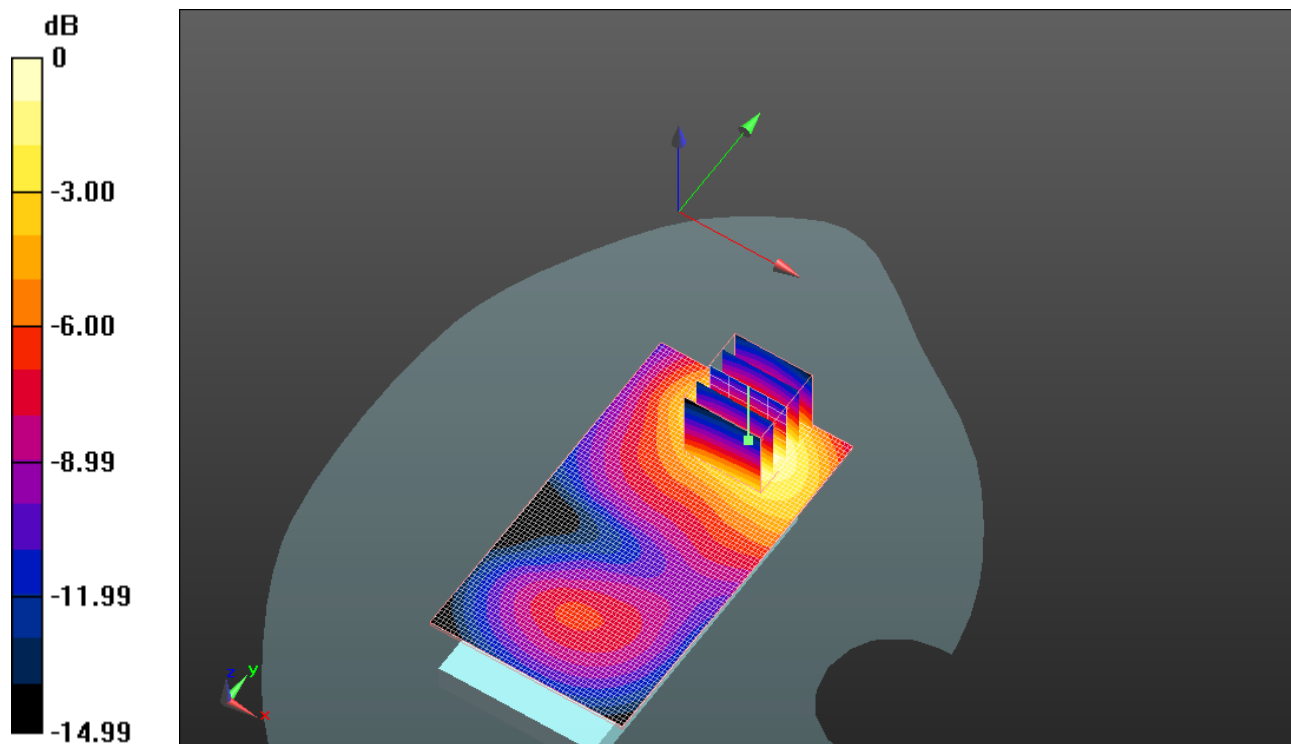
Reference Value = 6.460 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.020 W/kg

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.733 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 27(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.730mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 28(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/15/2011 2:59:50 PM, Date/Time: 4/15/2011 3:05:45 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_CDMA1900_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 1900; Frequency: 1880 MHz; Communication System
PAR: 0 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.328 mW/g

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

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

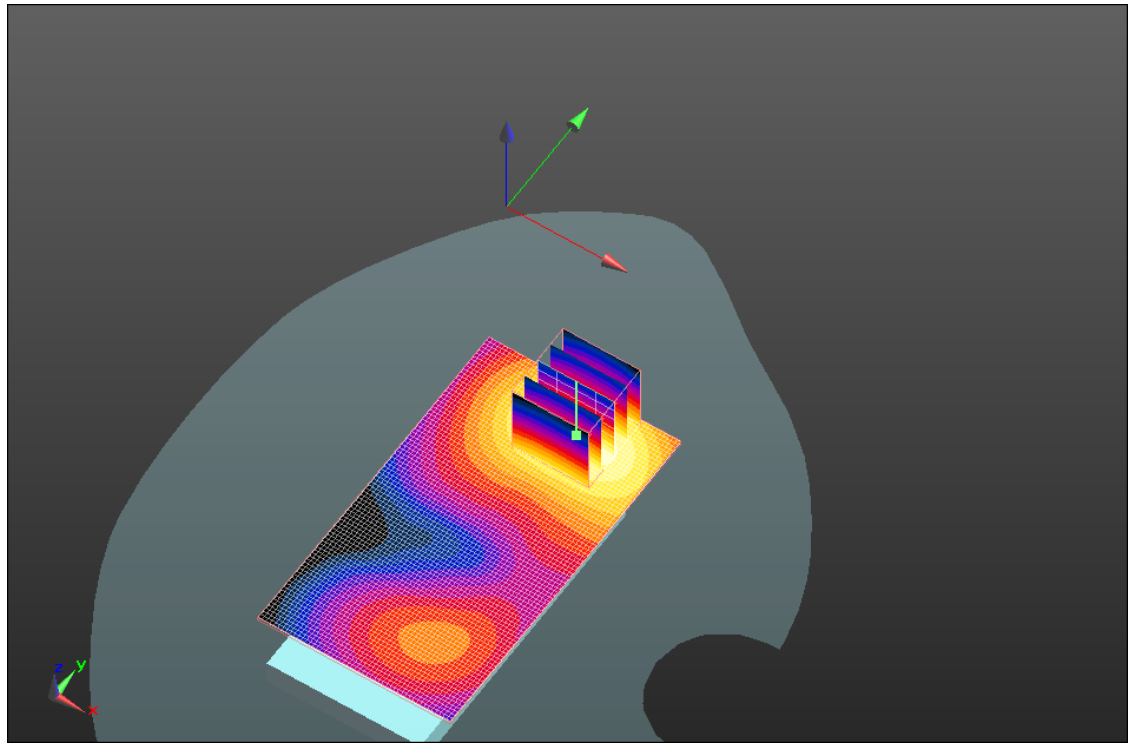
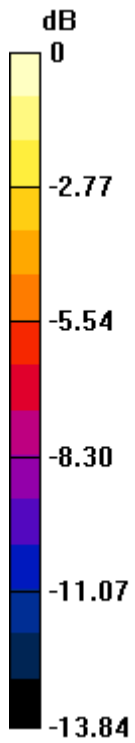
Reference Value = 4.342 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.331 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 29(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.330mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 30(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 3:24:10 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_back_GPRS1900_mid_chan_amb_temp_23.4_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900; Frequency: 1880 MHz; Communication System
PAR: 6.232 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.381 mW/g

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

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

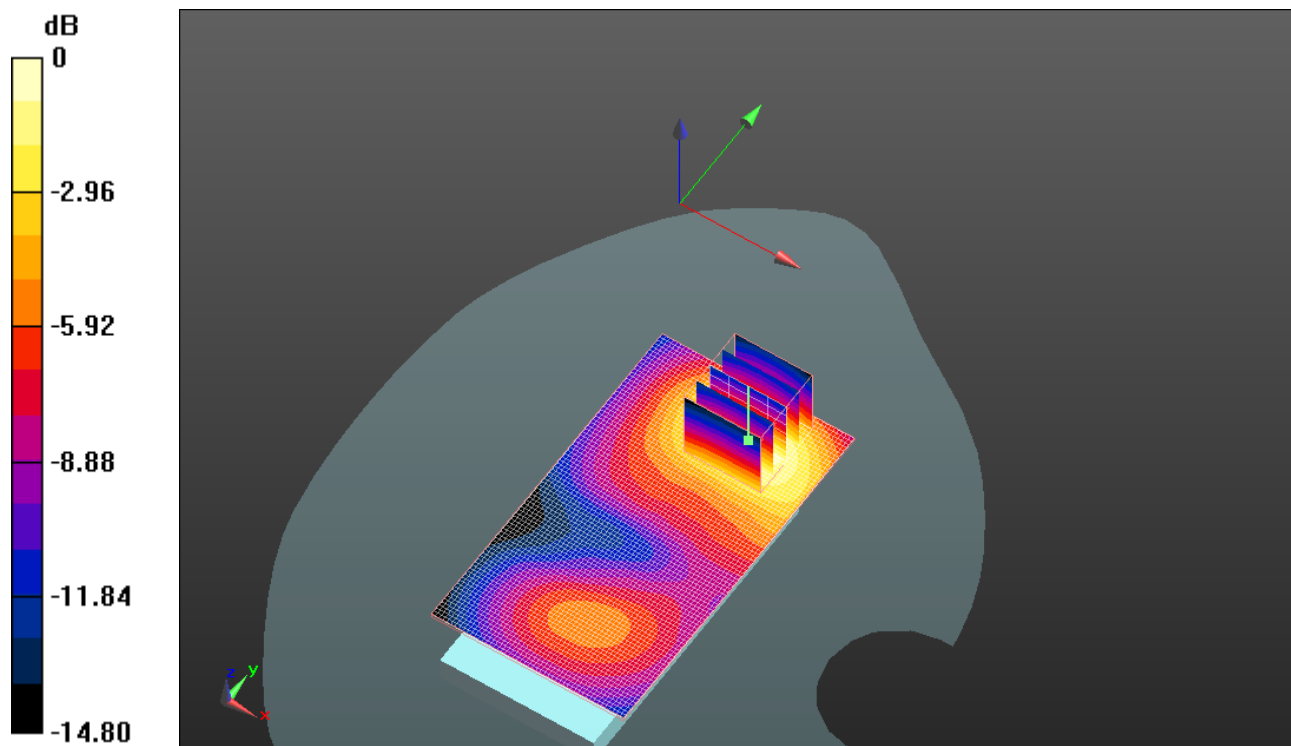
Reference Value = 4.556 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.523 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.208 mW/g

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

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 31(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.380mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 32(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/15/2011 4:04:36 PM, Date/Time: 4/15/2011 4:10:31 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_front_GPRS1900_mid_chan_amb_temp_23.3 _liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900; Frequency: 1880 MHz; Communication System
PAR: 6.232 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.117 mW/g

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

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

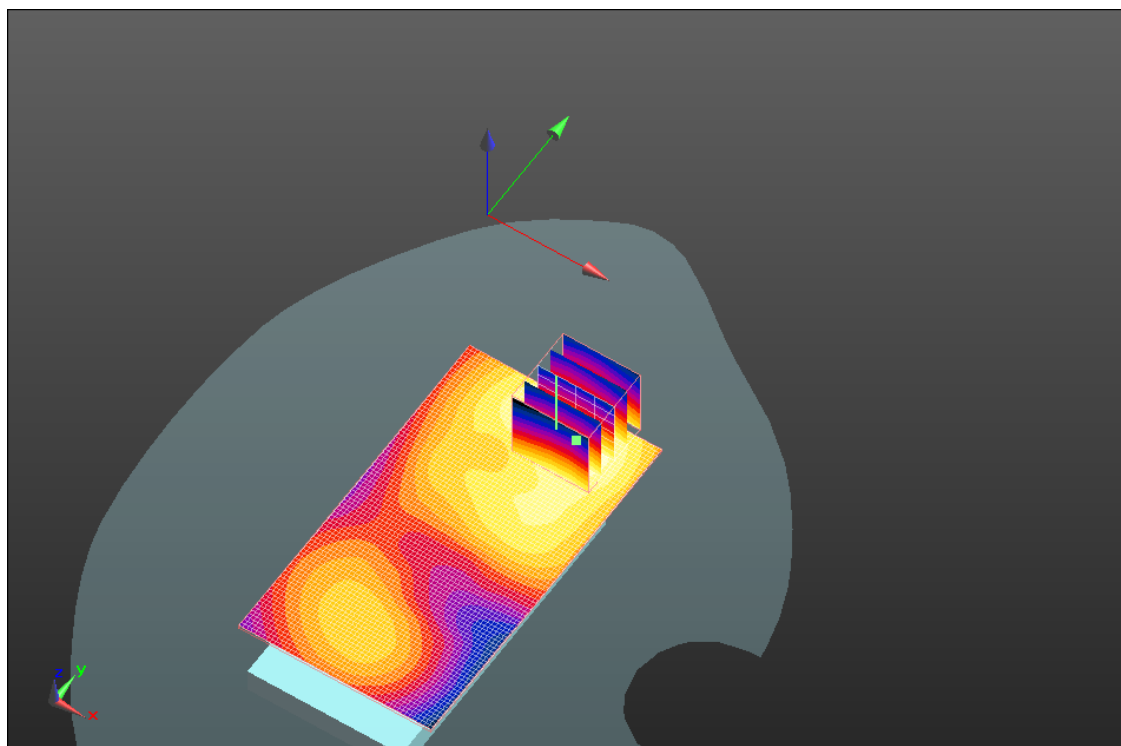
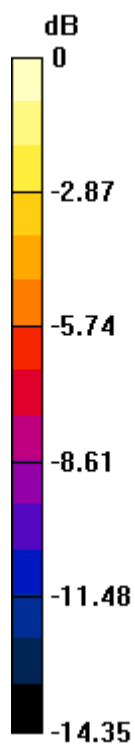
Reference Value = 3.975 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.166 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.120 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 33(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.120mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 34(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 3:51:56 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_mid_chan_amb_temp_23.3 _liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900; Frequency: 1880 MHz; Communication System
PAR: 6.232 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.381 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

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

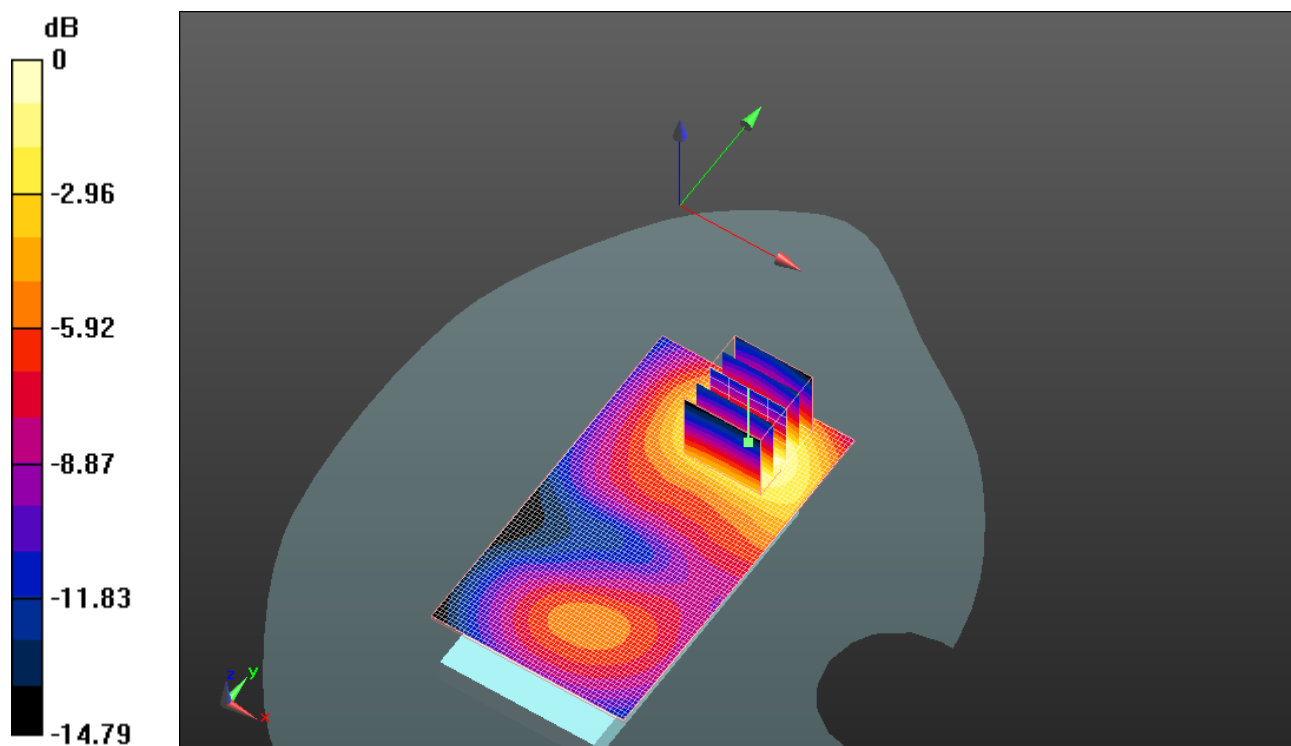
Reference Value = 4.481 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.531 W/kg

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.207 mW/g

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

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 35(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.380mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 36(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/15/2011 4:40:46 PM, Date/Time: 4/15/2011 4:46:42 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.4_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900; Frequency: 1880 MHz; Communication System
PAR: 6.232 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.185 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:

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

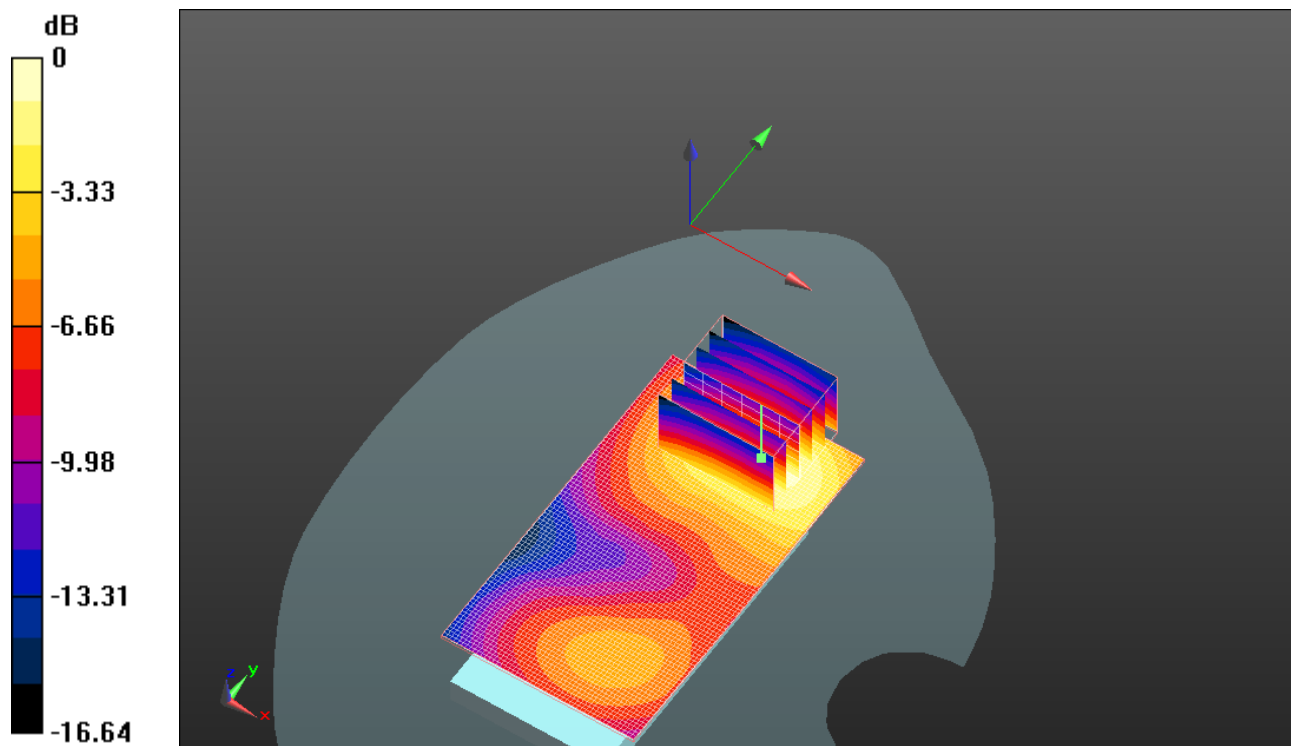
Reference Value = 3.544 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.189 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 37(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



0 dB = 0.190mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 38(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 5:12:38 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_3_slots_mid_chan_amb_temperatures_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900 (3-slots); Frequency: 1880 MHz; Communication System PAR: 4.472 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.378 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

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

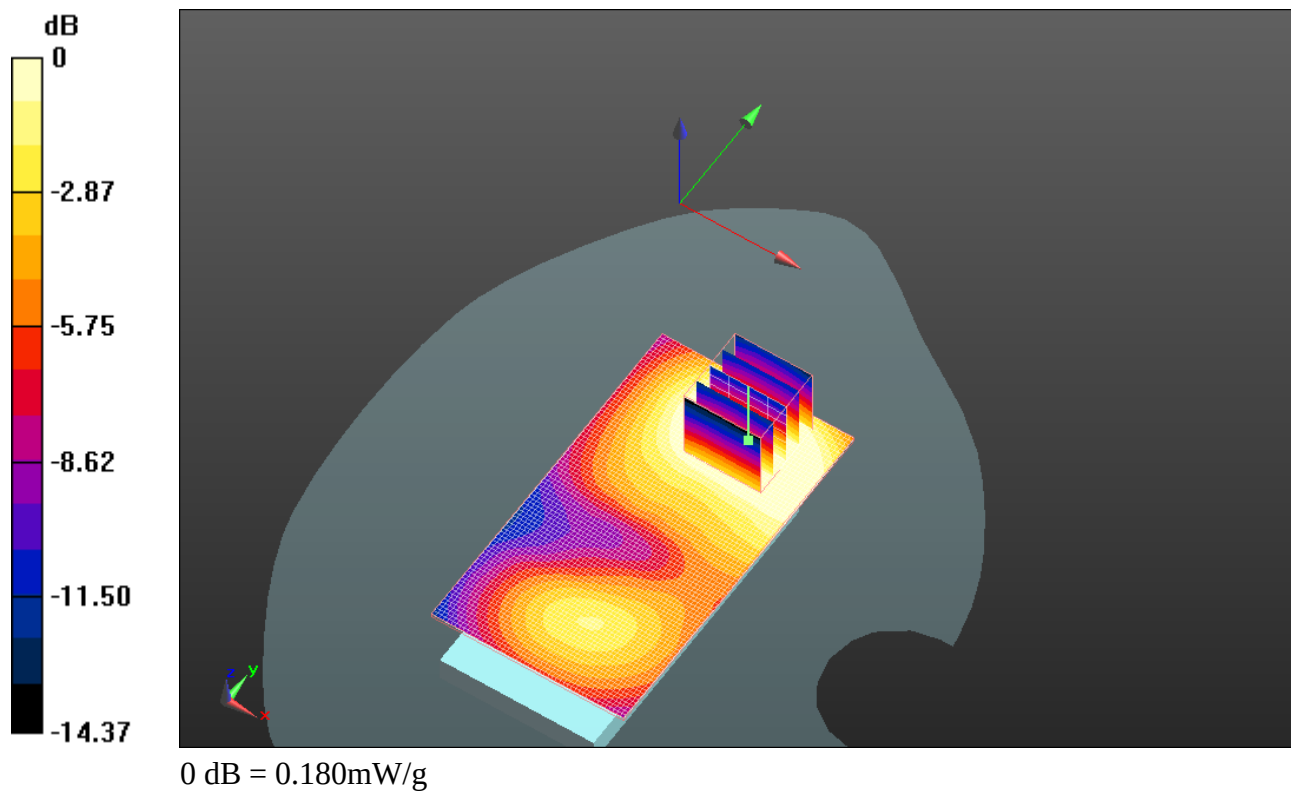
Reference Value = 3.628 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.180 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 39(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 40(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 5:28:11 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_4_slots_mid_chan_amb_temperatures_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 1900 (4-slots); Frequency: 1880 MHz; Communication System PAR: 3.222 dB

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.466 \text{ mho/m}$; $\epsilon_r = 50.965$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.376 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:

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

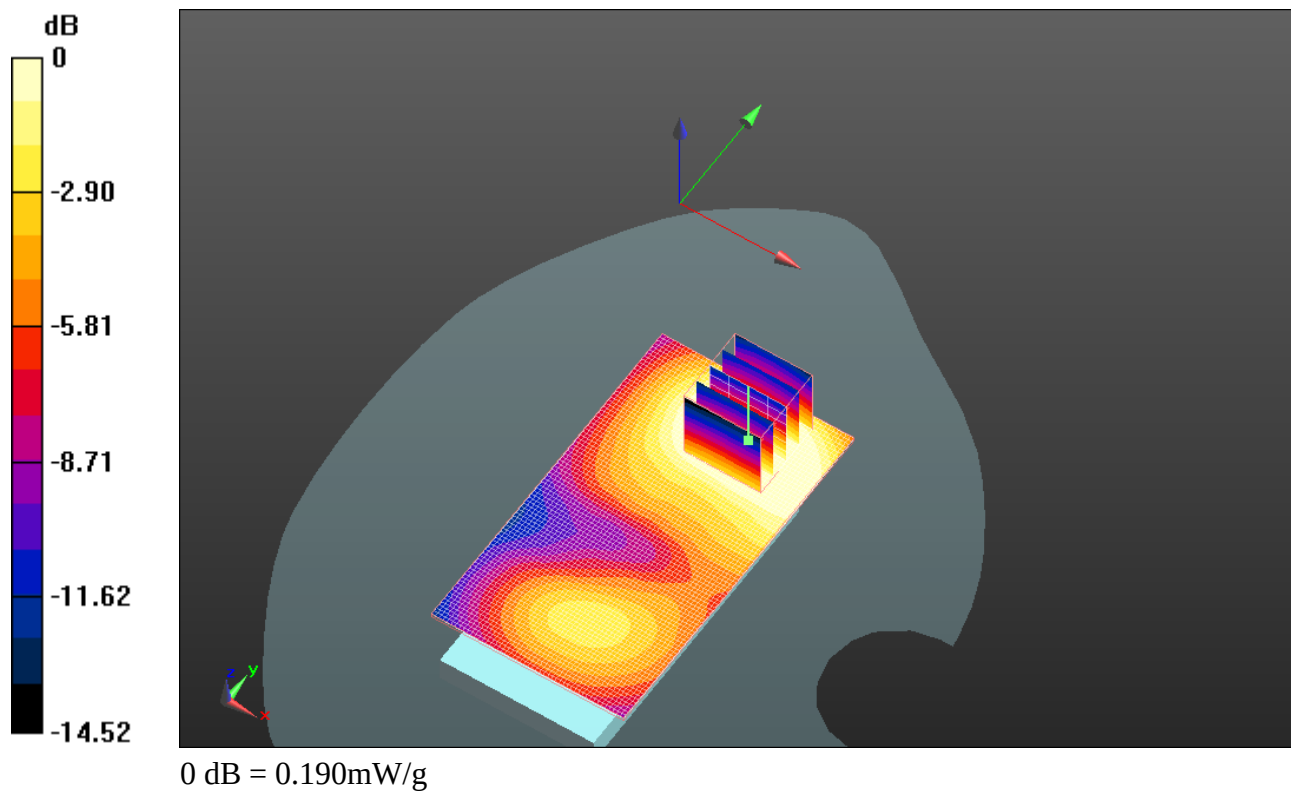
Reference Value = 3.627 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.186 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 41(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 42(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 1/14/2011 10:24:11 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.6C

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

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.06 \text{ mho/m}$; $\epsilon_r = 50.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.021 mW/g

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

Reference Value = 2.31 V/m; Power Drift = -0.275 dB

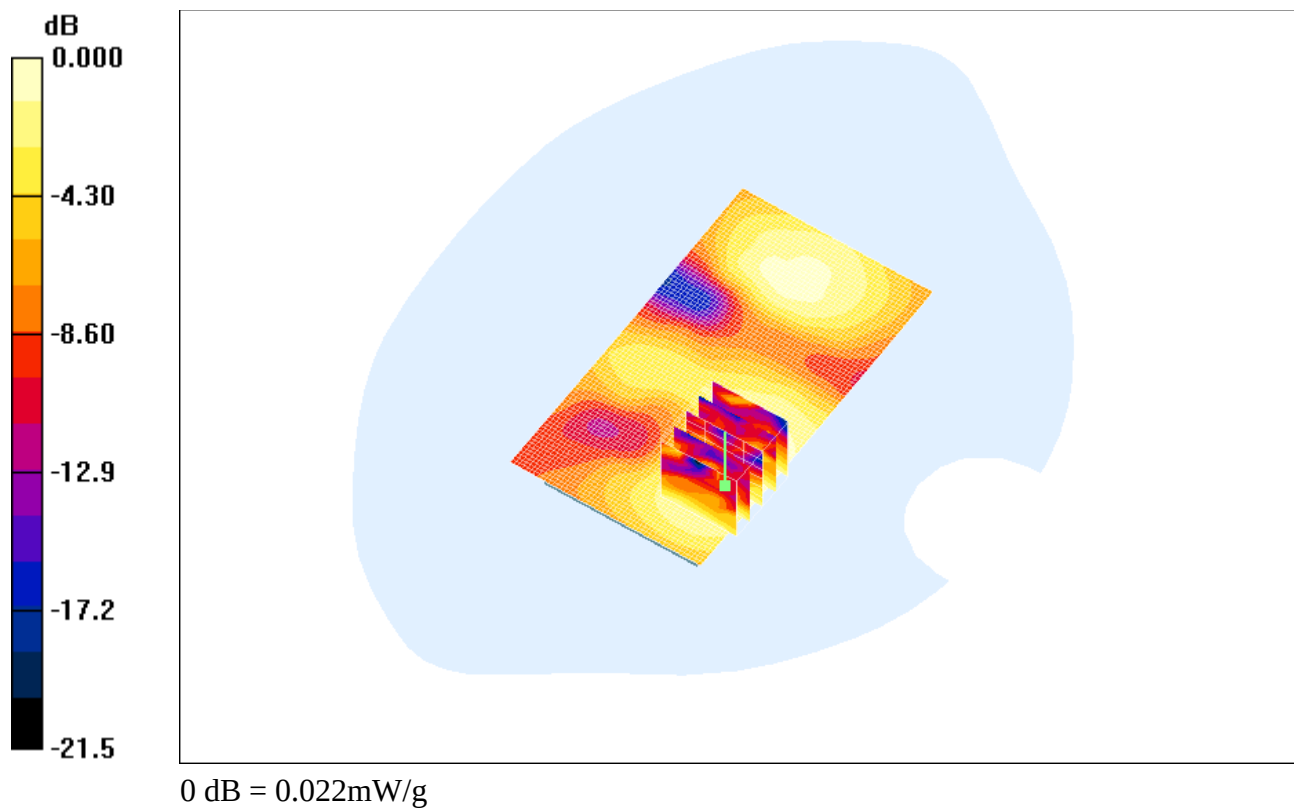
Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00953 mW/g

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

Maximum value of SAR (measured) = 0.022 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 43(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 44(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 1/14/2011 10:39:23 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.6C

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

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.06 \text{ mho/m}$; $\epsilon_r = 50.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.013 mW/g

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

Reference Value = 1.84 V/m; Power Drift = 0.251 dB

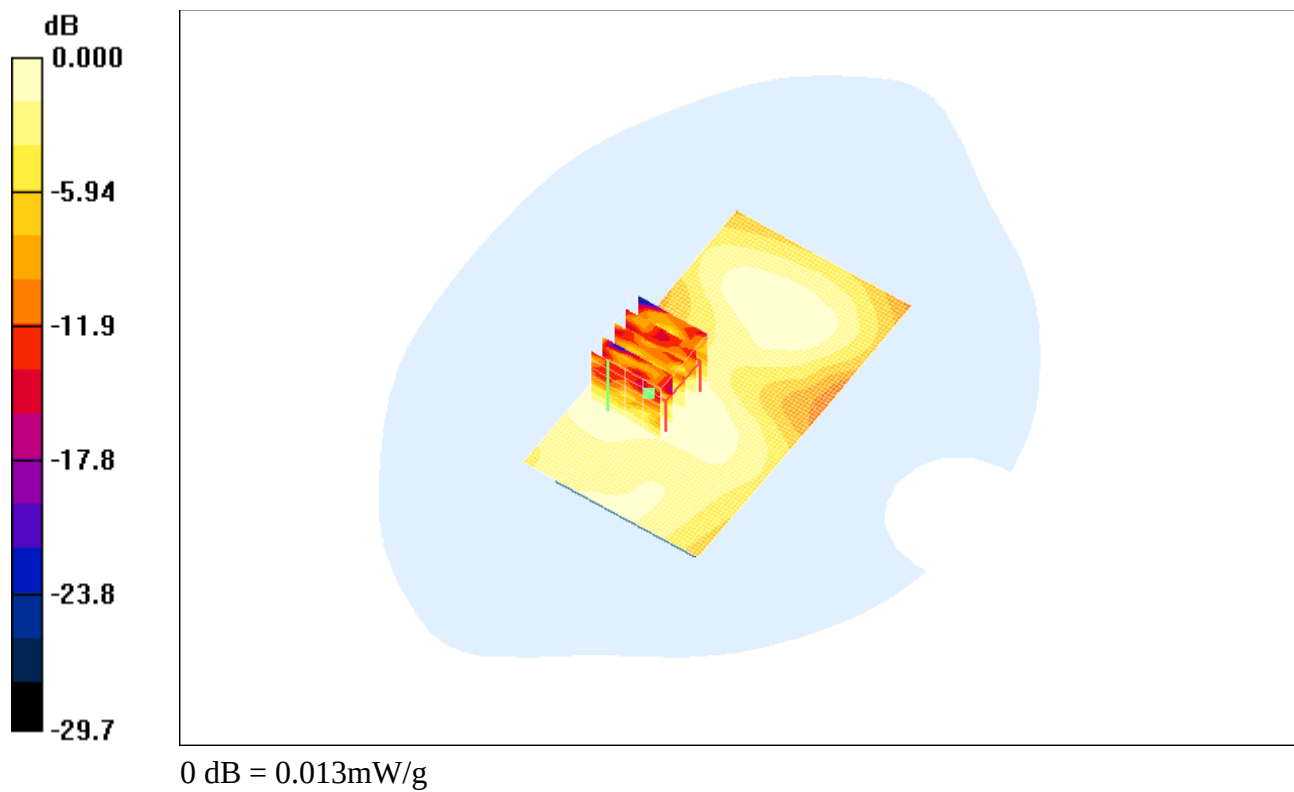
Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00619 mW/g

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

Maximum value of SAR (measured) = 0.013 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 45(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 46(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/26/2011 11:55:50 PM, Date/Time: 4/27/2011 12:01:47 AM

Test Laboratory: RIM Testing Services

**25mm_Spacer_Back_802.11b_high_chan_amb_temp_23.4_liq_temp_22
.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.033 \text{ mho/m}$; $\epsilon_r = 50.084$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.084 mW/g

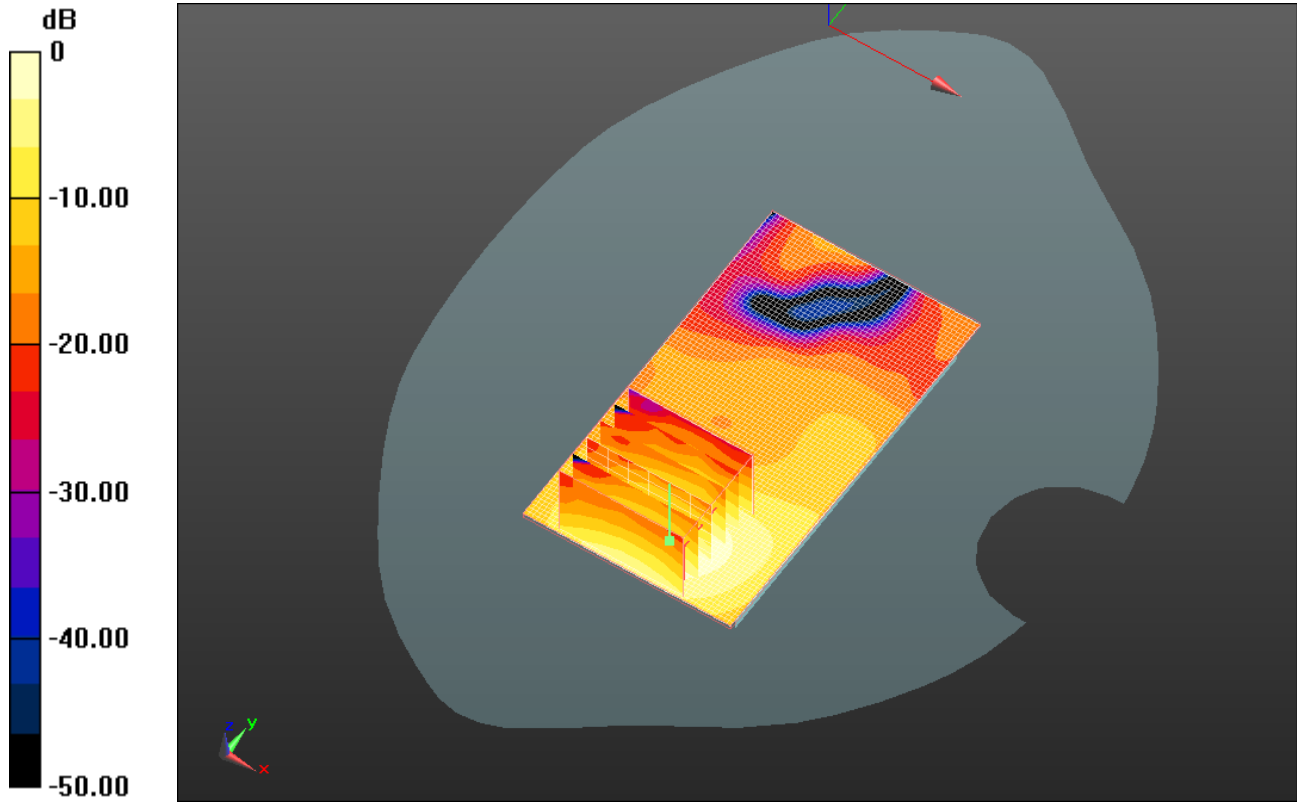
Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.536 V/m; Power Drift = -0.51 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.040 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 47(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.085 mW/g



0 dB = 0.090mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 48(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/27/2011 12:15:25 AM, Date/Time: 4/27/2011 12:21:22 AM

Test Laboratory: RIM Testing Services

**25mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_23.4_liq
_temp_22.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2462 \text{ MHz}$; $\sigma = 2.033 \text{ mho/m}$; $\epsilon_r = 50.084$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.071 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:

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

Reference Value = 1.388 V/m; Power Drift = 2.04 dB

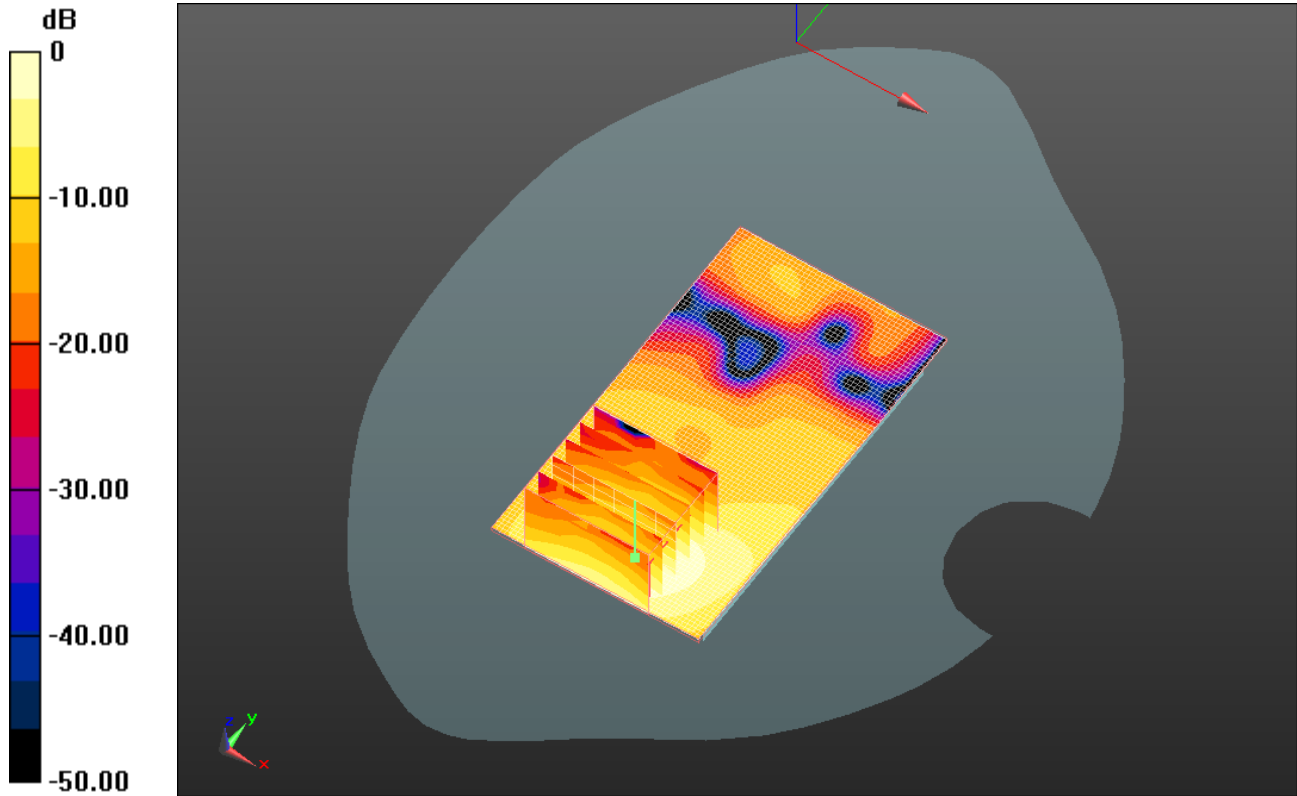
Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.034 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 49(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 50(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

RDQ71UW

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 51(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/1/2011 11:42:19 AM, Date/Time: 4/1/2011 11:47:42 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_IV_low_chan_amb_temp_23.1_liq_t emp_22.2C

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

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1712.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.436$ mho/m; $\epsilon_r = 53.414$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.709 mW/g

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

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

Reference Value = 4.778 V/m; Power Drift = 0.16 dB

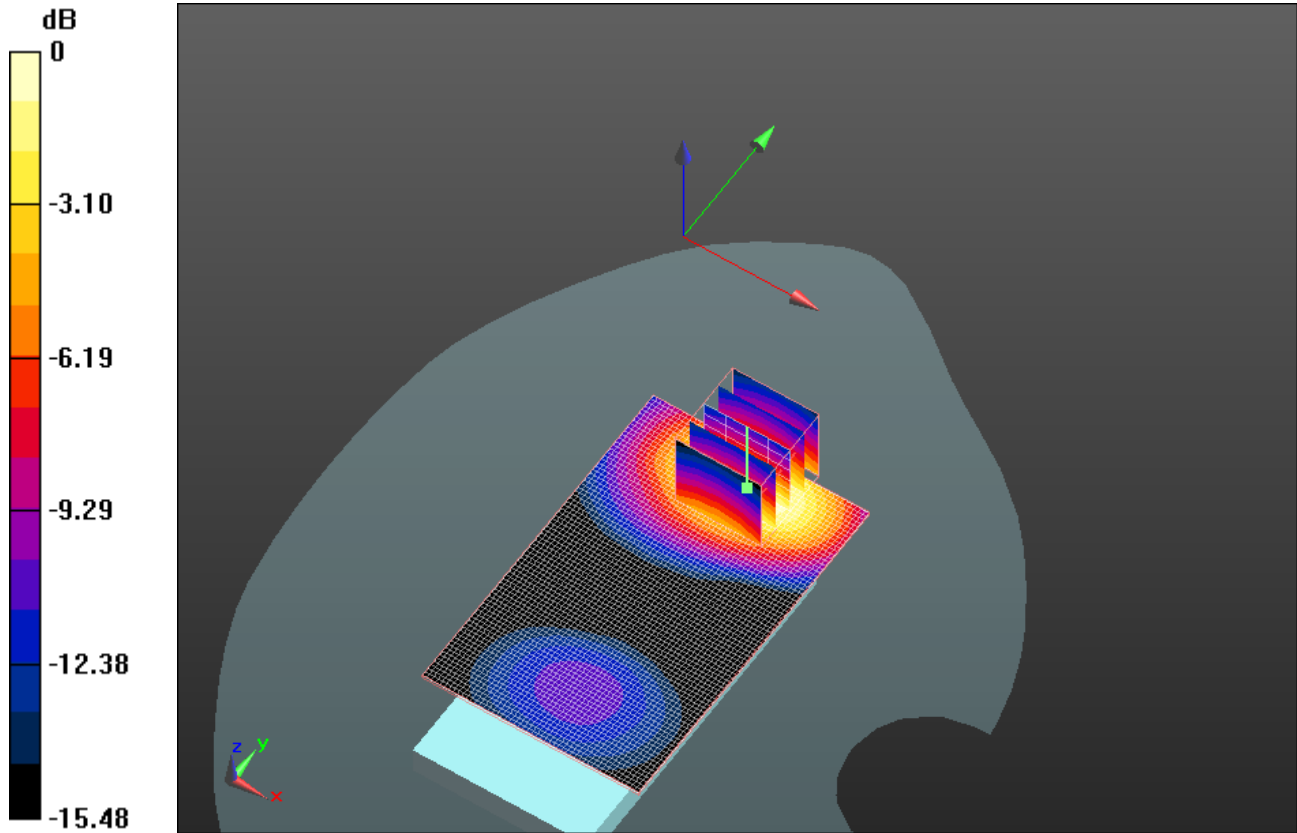
Peak SAR (extrapolated) = 2.236 W/kg

SAR(1 g) = 1.46 mW/g; SAR(10 g) = 0.847 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 52(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.607 mW/g



0 dB = 1.610mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 53(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/1/2011 12:13:06 PM, Date/Time: 4/1/2011 12:18:28 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_IV_mid_chan_amb_temp_22.9_liq_t emp_22.1C

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

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

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.438$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.323 mW/g

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

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

Reference Value = 4.273 V/m; Power Drift = 0.18 dB

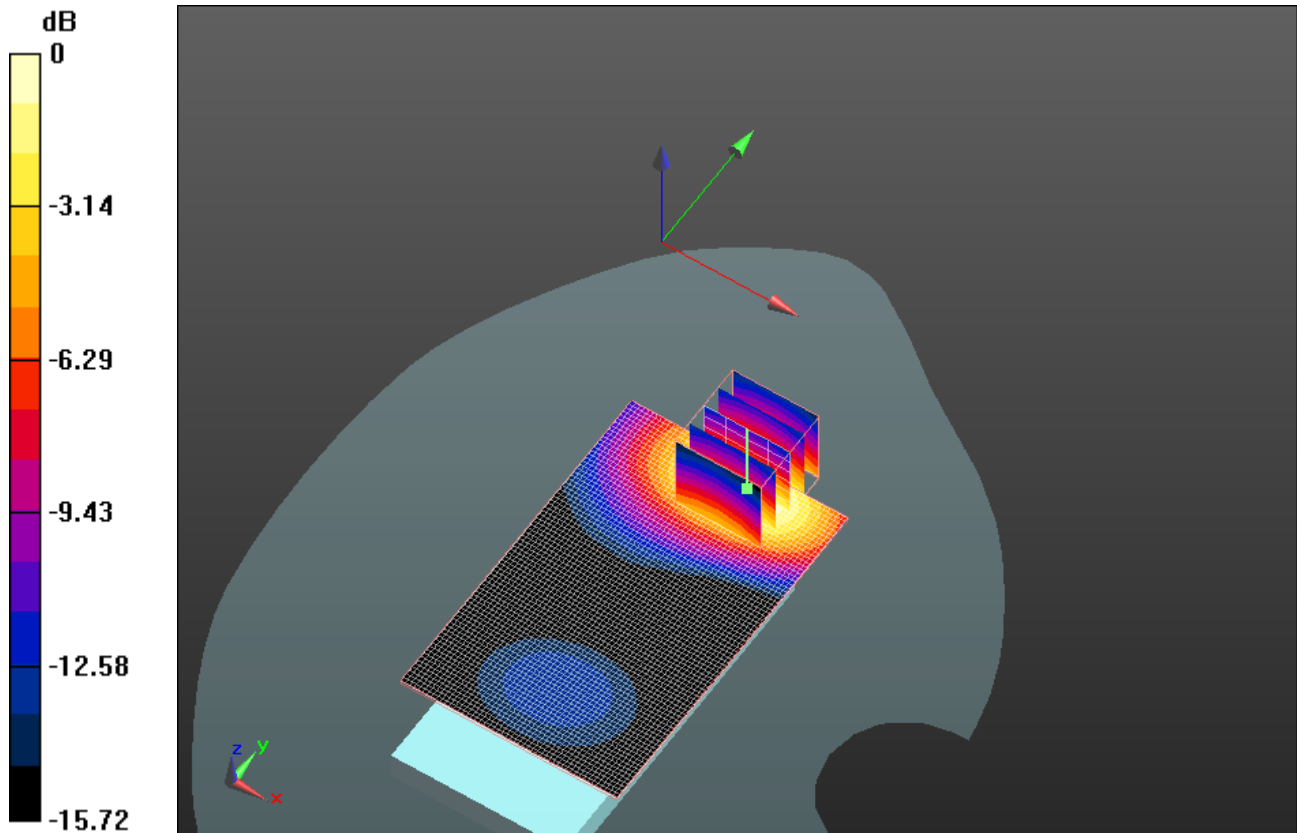
Peak SAR (extrapolated) = 1.713 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.649 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 54(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.244 mW/g



0 dB = 1.240mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 55(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/1/2011 11:27:20 AM, Date/Time: 4/1/2011 11:32:43 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_IV_high_chan_amb_temp_24.0_liq_ temp_22.4C

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

Communication System: WCDMA FDD IV; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1752.6 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.487$ mho/m; $\epsilon_r = 53.157$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.617 mW/g

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

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

Reference Value = 4.605 V/m; Power Drift = 0.17 dB

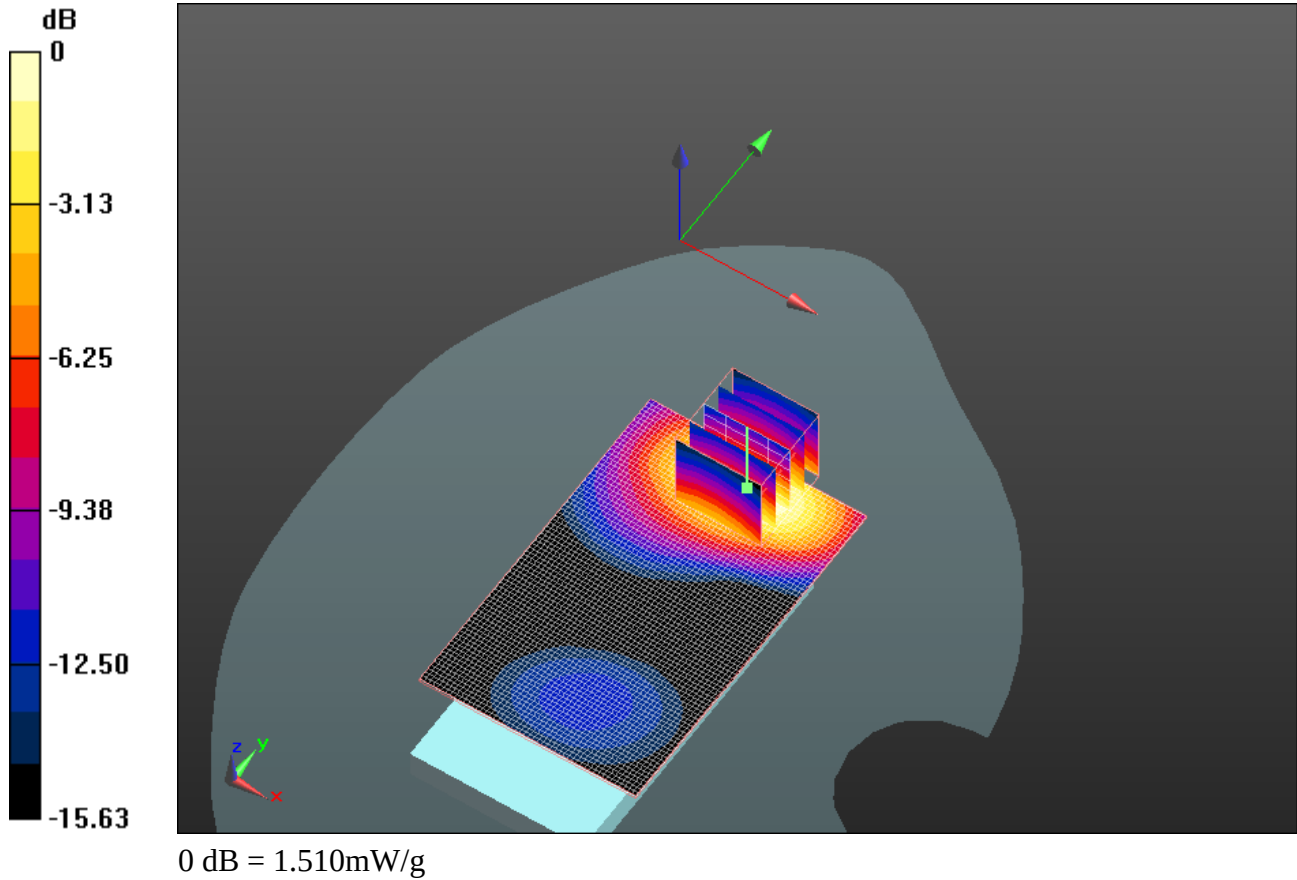
Peak SAR (extrapolated) = 2.131 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.794 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 56(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.513 mW/g



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 57(63)
Author Data Hang Wang	Dates of Test Jan 14 – June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/14/2011 6:40:13 PM, Date/Time: 4/14/2011 6:46:09 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_band_IV_mid_chan_amb_temp_23.6C_liq _temp_22.5

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

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.351$ mho/m; $\epsilon_r = 52.572$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.334 mW/g

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 4.075 V/m; Power Drift = 0.14 dB

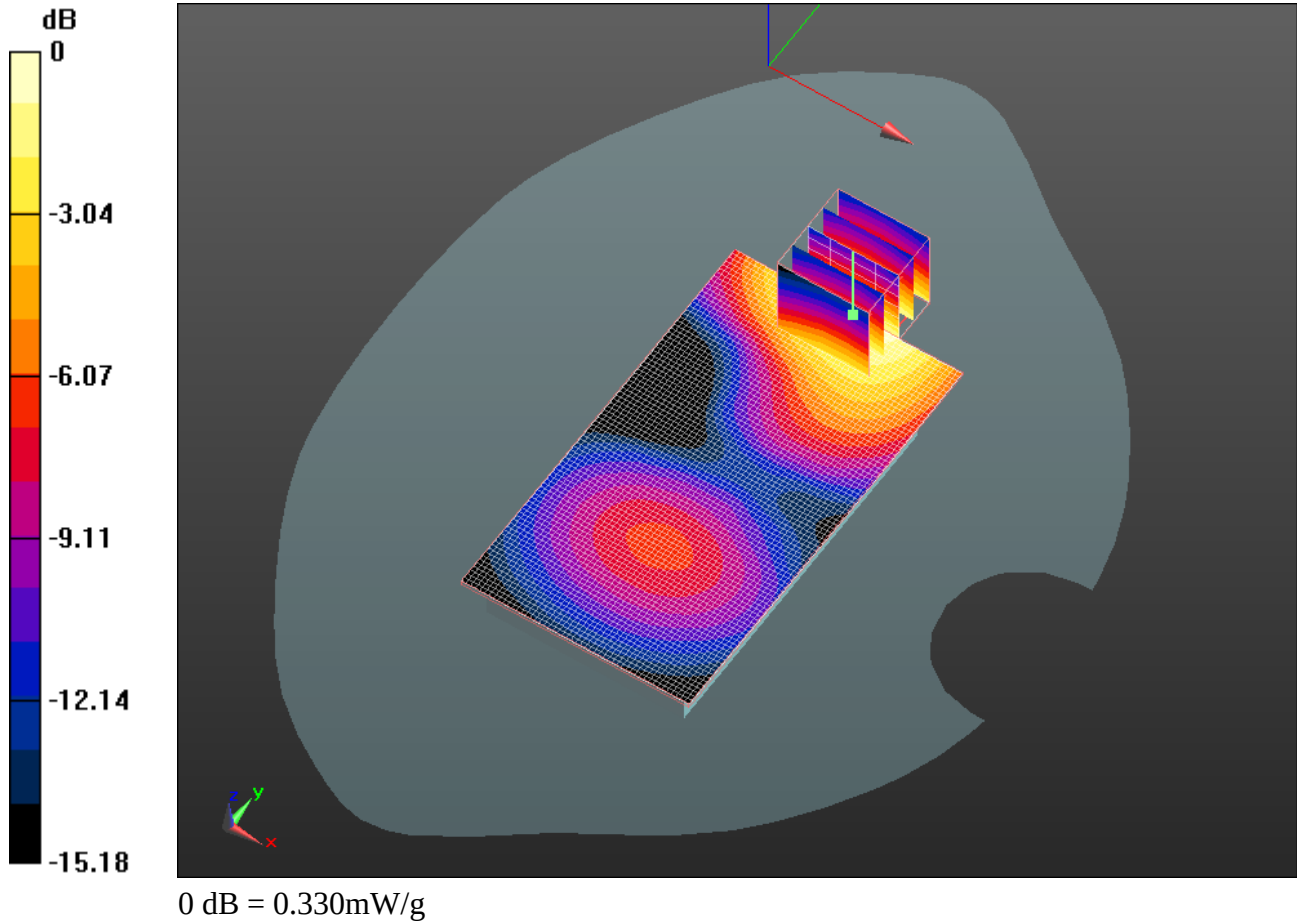
Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.192 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 58(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.334 mW/g



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 59(63)
	Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Date/Time: 4/14/2011 6:54:10 PM, Date/Time: 4/14/2011 7:00:07 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_UMTS_band_IV_low_chan_amb_temp_23.5C_liq_temp_22.3

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

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r = 52.79$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.516 mW/g

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 4.300 V/m; Power Drift = 0.42 dB

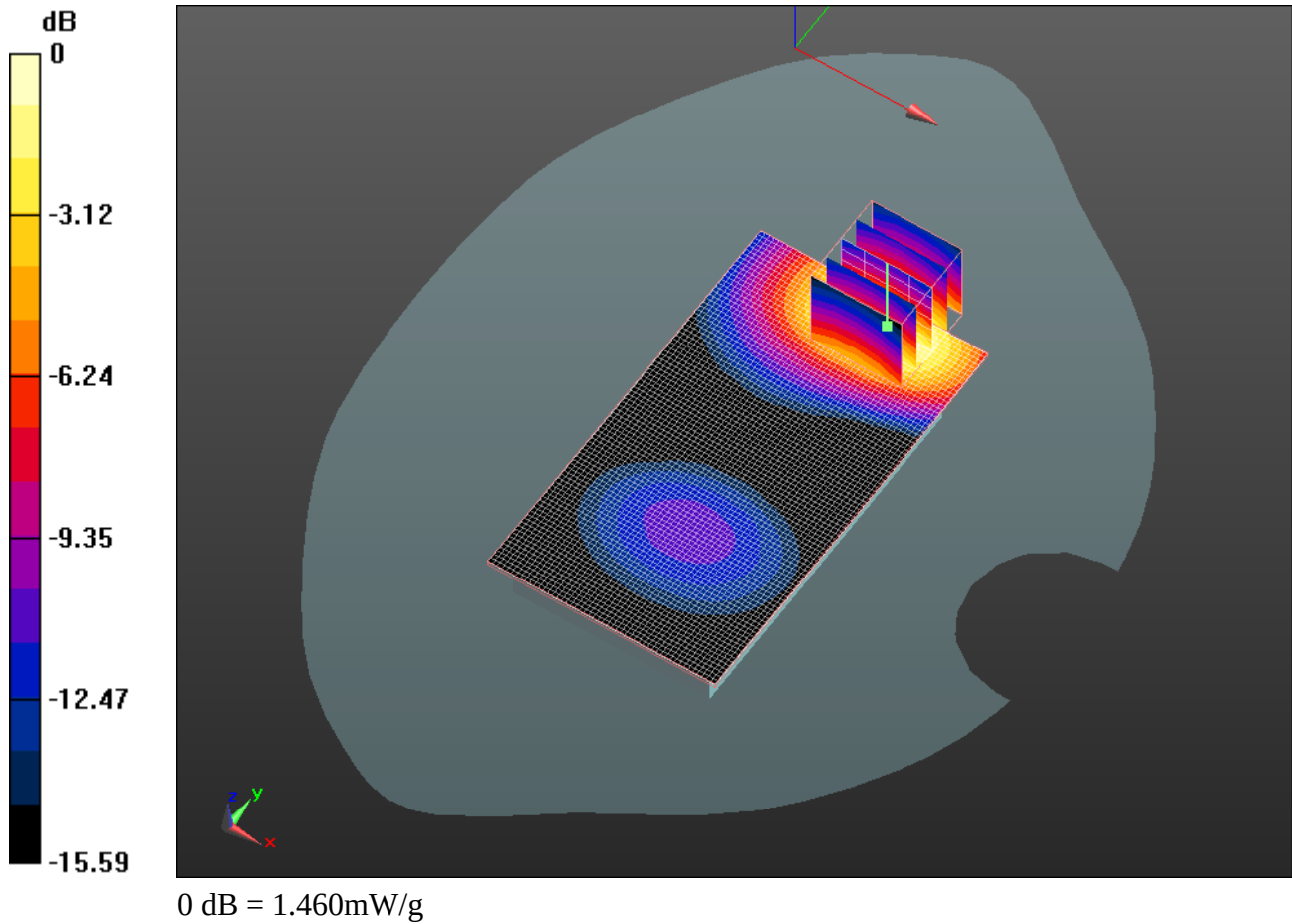
Peak SAR (extrapolated) = 2.043 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.772 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 60(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.465 mW/g



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report				Page 61(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW	

Date/Time: 4/14/2011 6:25:41 PM, Date/Time: 4/14/2011 6:31:36 PM

Test Laboratory: RIM Testing Services

**25mm_Spacer_Back_UMTS_band_IV_mid_chan_amb_temp_23.6C_liq_
temp_22.4**

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

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.351$ mho/m; $\epsilon_r = 52.572$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.556 mW/g

Configuration/Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 2.961 V/m; Power Drift = 0.96 dB

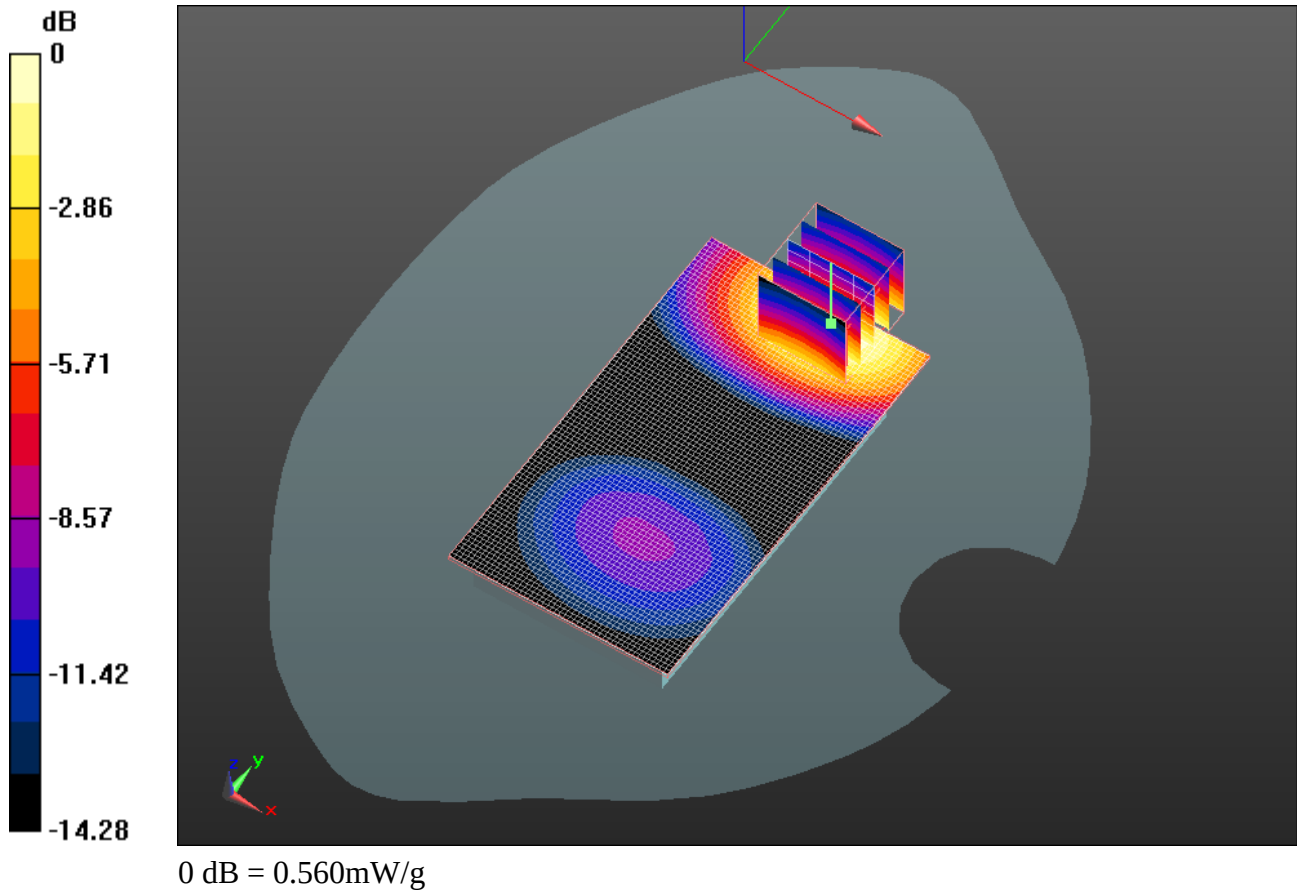
Peak SAR (extrapolated) = 0.765 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.316 mW/g

	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 62(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Info: Interpolated medium parameters used for SAR evaluation.

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



	Document Appendix C for the BlackBerry® Smartphone Model RDH71CW/RDQ71UW SAR Report			Page 63(63)
Author Data Hang Wang	Dates of Test Jan 14 –June 09, 2011	Test Report No RTS-2605-1102-05B	FCC ID: L6ARDH70CW L6ARDQ70UW	IC ID 2503A-RDH70CW 2503A-RDQ70UW

Z axis plot for the worst case body configuration:

