
	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 1(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 2(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 2:18:42 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.673$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.685 mW/g


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

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

Reference Value = 26.772 V/m; Power Drift = -0.0055 dB

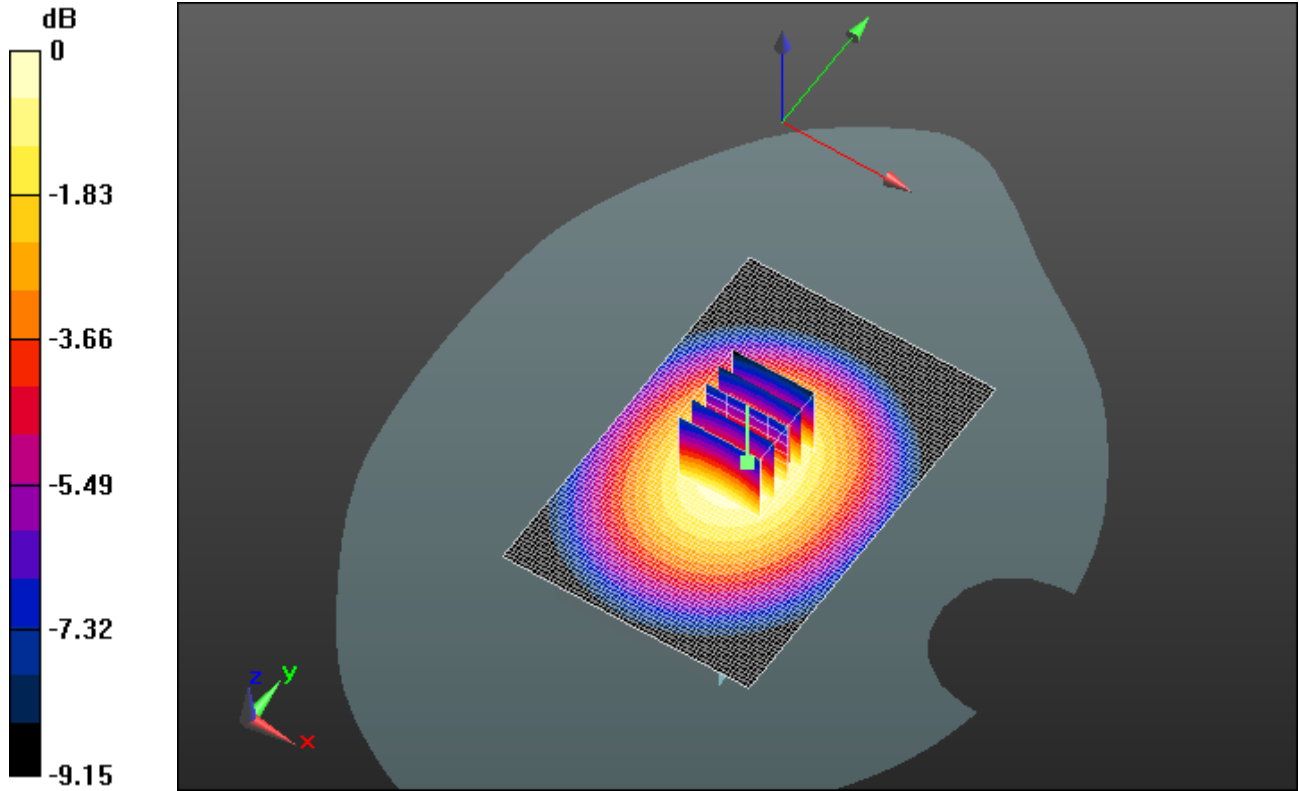
Peak SAR (extrapolated) = 0.7940

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.446 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 3(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.682 mW/g



0 dB = 0.680mW/g = -3.35 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 4(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 2:59:24 PM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.673$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.558 mW/g


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

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

Reference Value = 23.812 V/m; Power Drift = 0.02 dB

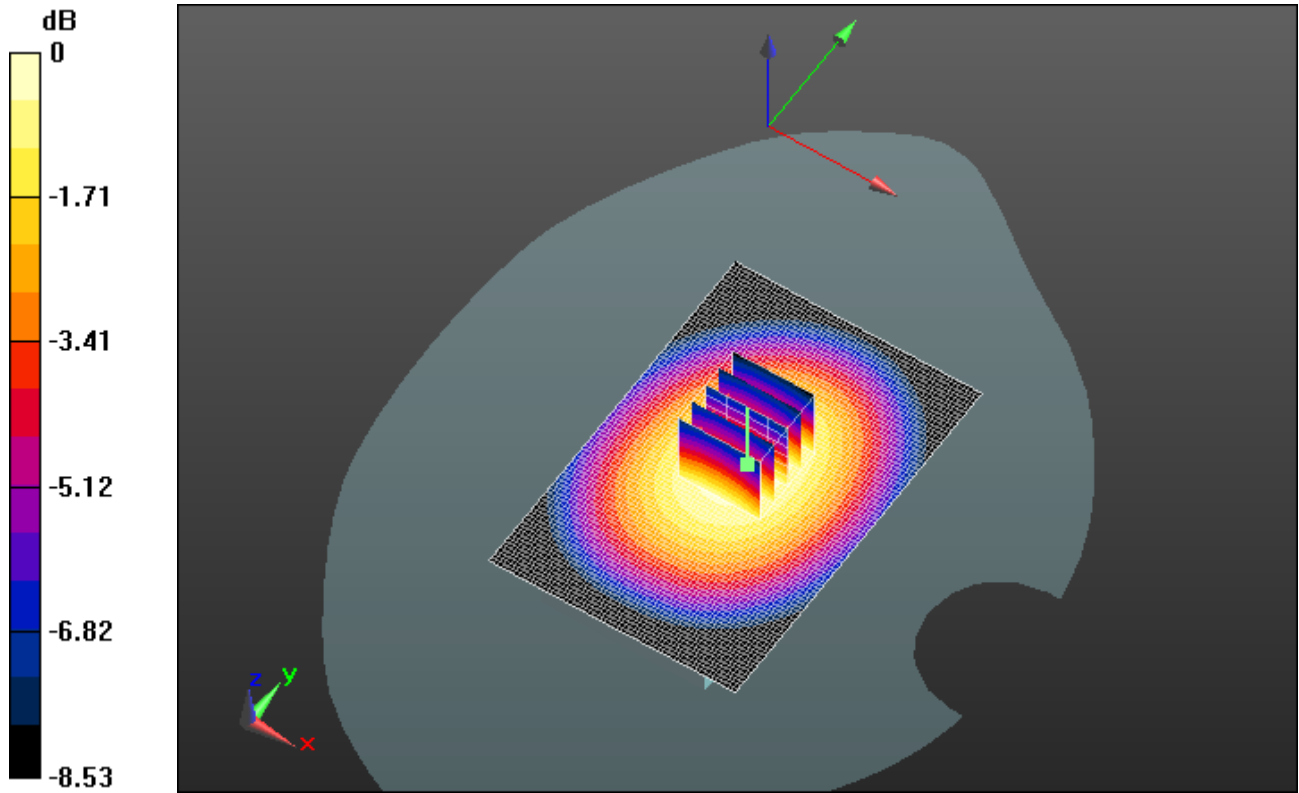
Peak SAR (extrapolated) = 0.6490

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.372 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 5(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.559 mW/g



0 dB = 0.560mW/g = -5.04 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 6(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 3:36:44 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_low_chan_amb_temp_23.3C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 824.2 MHz

Medium parameters used: $f = 825$ MHz; $\sigma = 0.957$ mho/m; $\epsilon_r = 52.746$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.858 mW/g

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

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

Reference Value = 30.815 V/m; Power Drift = -0.0055 dB

Peak SAR (extrapolated) = 1.0150

SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 0.871 mW/g

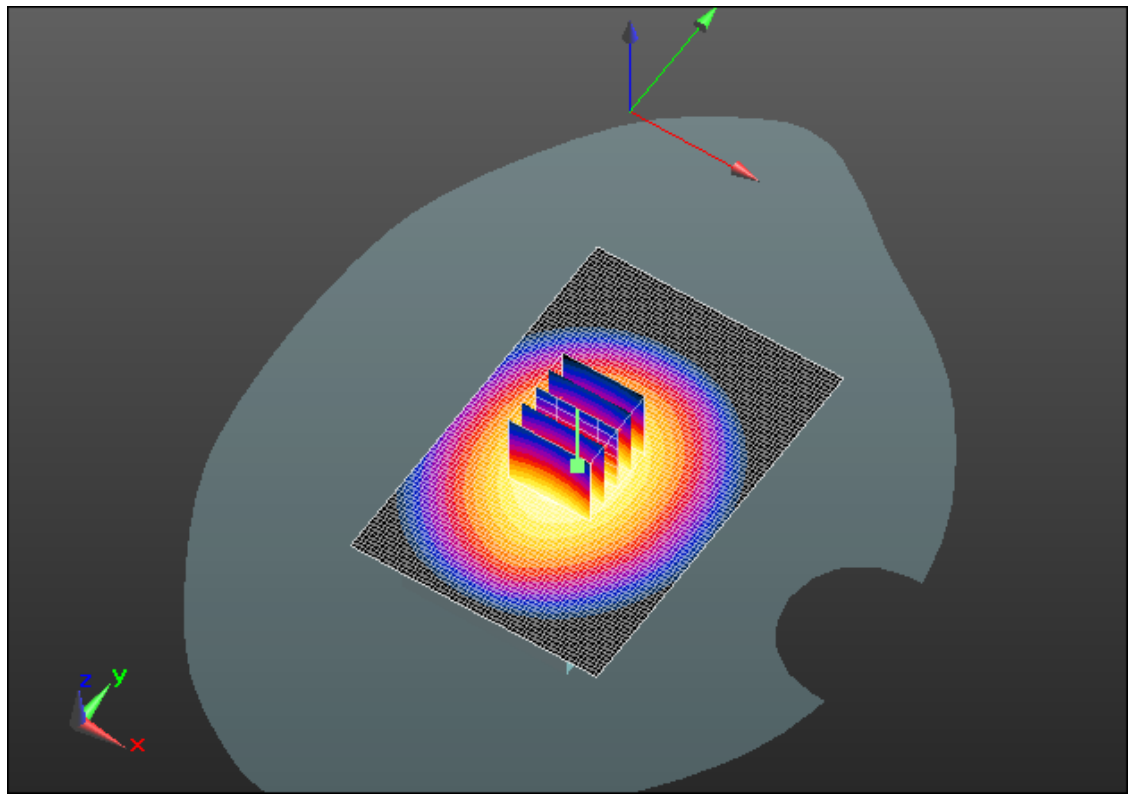
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.870mW/g = -1.21 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 8(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 3:15:04 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.3C_liq_tem
p_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.673$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.952 mW/g


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

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

Reference Value = 32.001 V/m; Power Drift = 0.0063 dB

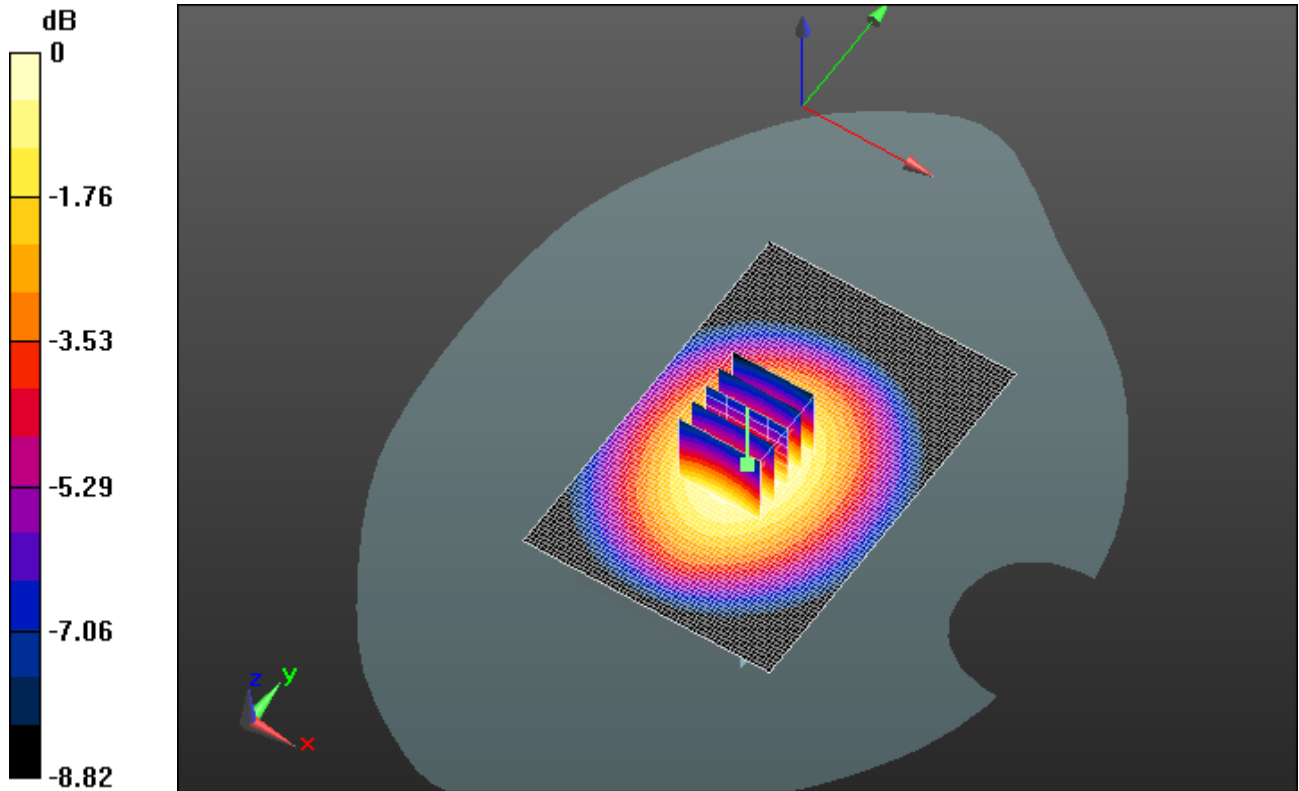
Peak SAR (extrapolated) = 1.0860

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.624 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 9(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.948 mW/g



0 dB = 0.950mW/g = -0.45 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 10(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 3:52:27 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_GPRS850_high_chan_amb_temp_23.3C_liq_tem
p_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 848.8 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 52.556$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.963 mW/g


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

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

Reference Value = 32.242 V/m; Power Drift = -0.05 dB

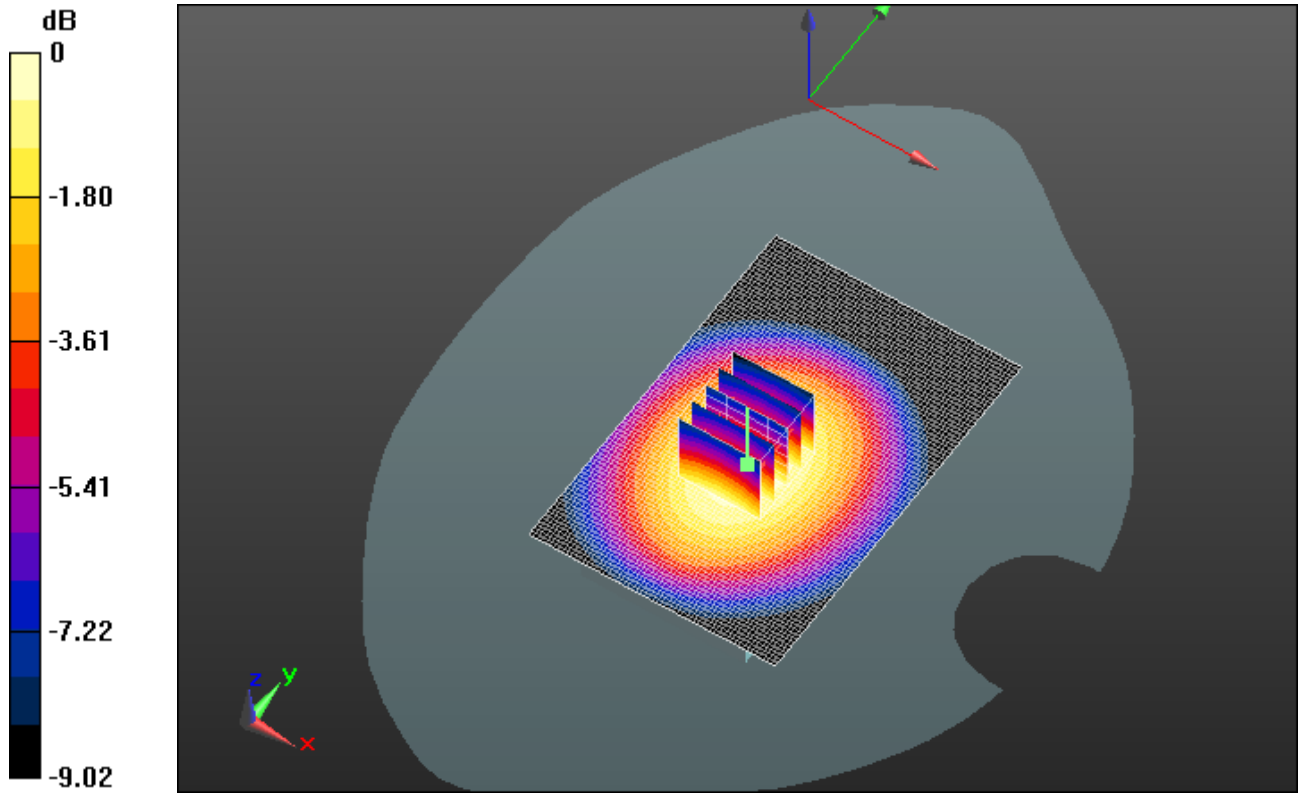
Peak SAR (extrapolated) = 1.0980

SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.628 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 11(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.960 mW/g



0 dB = 0.960mW/g = -0.35 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 12(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/16/2012 6:19:44 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_Headset_GPRS850_mid_chan_amb_temp_23.9
C_liq_temp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.673$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.545 mW/g


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

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

Reference Value = 22.886 V/m; Power Drift = -0.04 dB

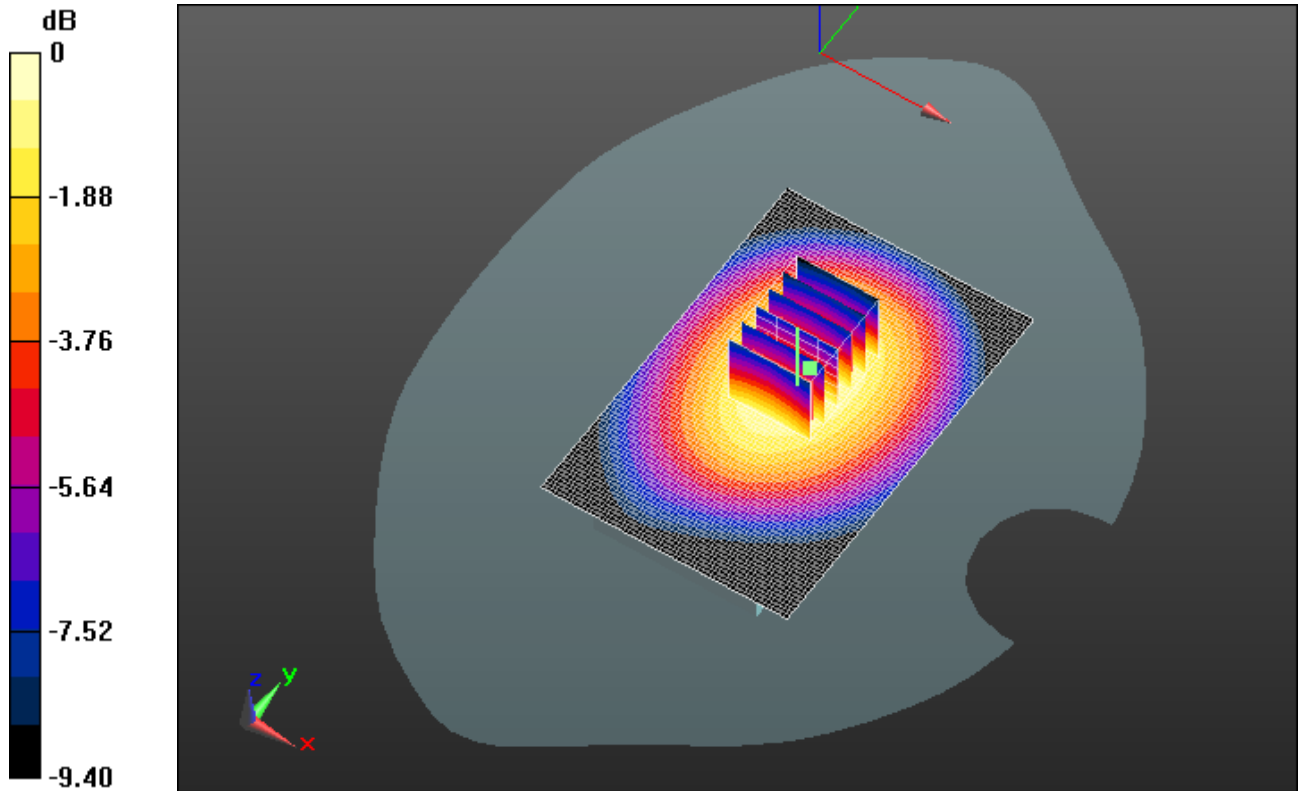
Peak SAR (extrapolated) = 0.6480

SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.362 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 13(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 0.560mW/g = -5.04 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 14(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 10:49:25 AM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq_t
emp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.679$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.667 mW/g


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

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

Reference Value = 26.533 V/m; Power Drift = 0.0057 dB

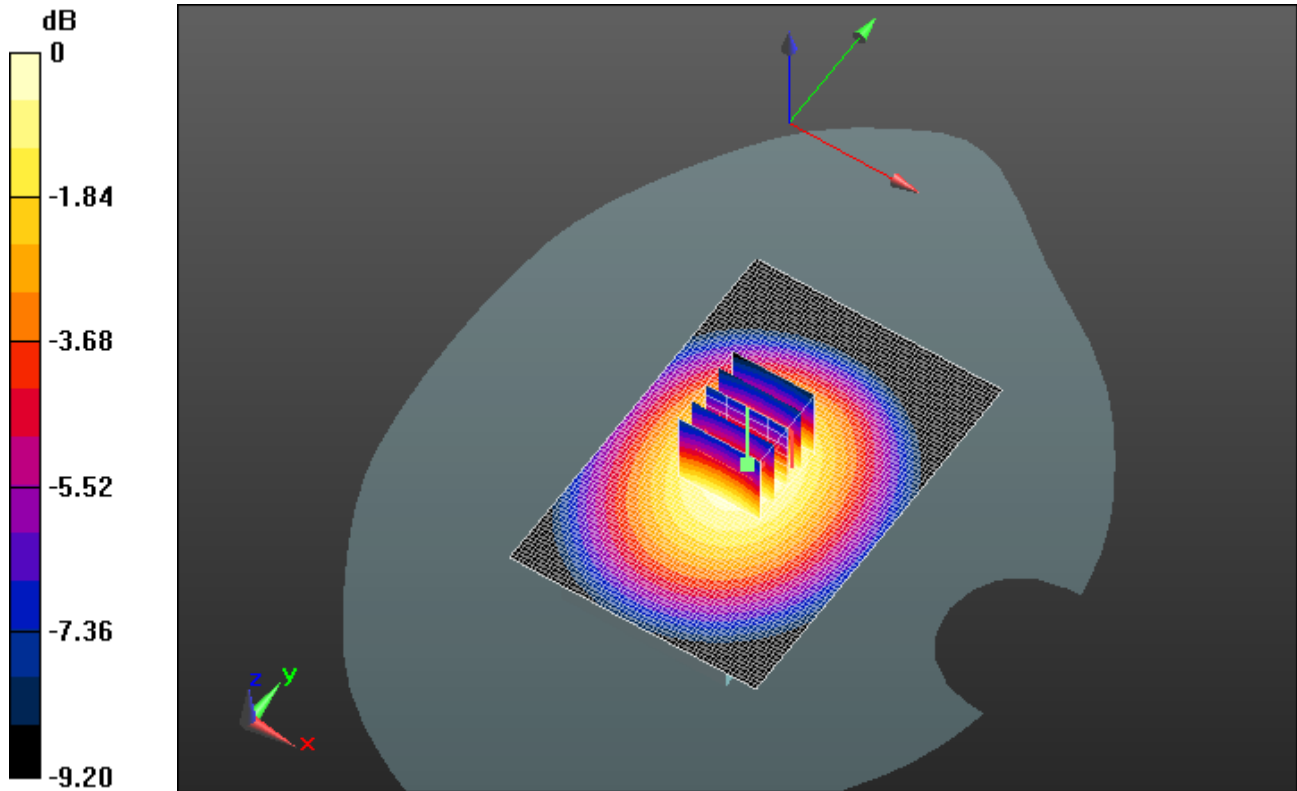
Peak SAR (extrapolated) = 0.7780

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.435 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 15(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.666 mW/g



0 dB = 0.670mW/g = -3.48 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 16(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 11:42:49 AM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Front_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq_
temp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.679$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.570 mW/g


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

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

Reference Value = 24.595 V/m; Power Drift = -0.05 dB

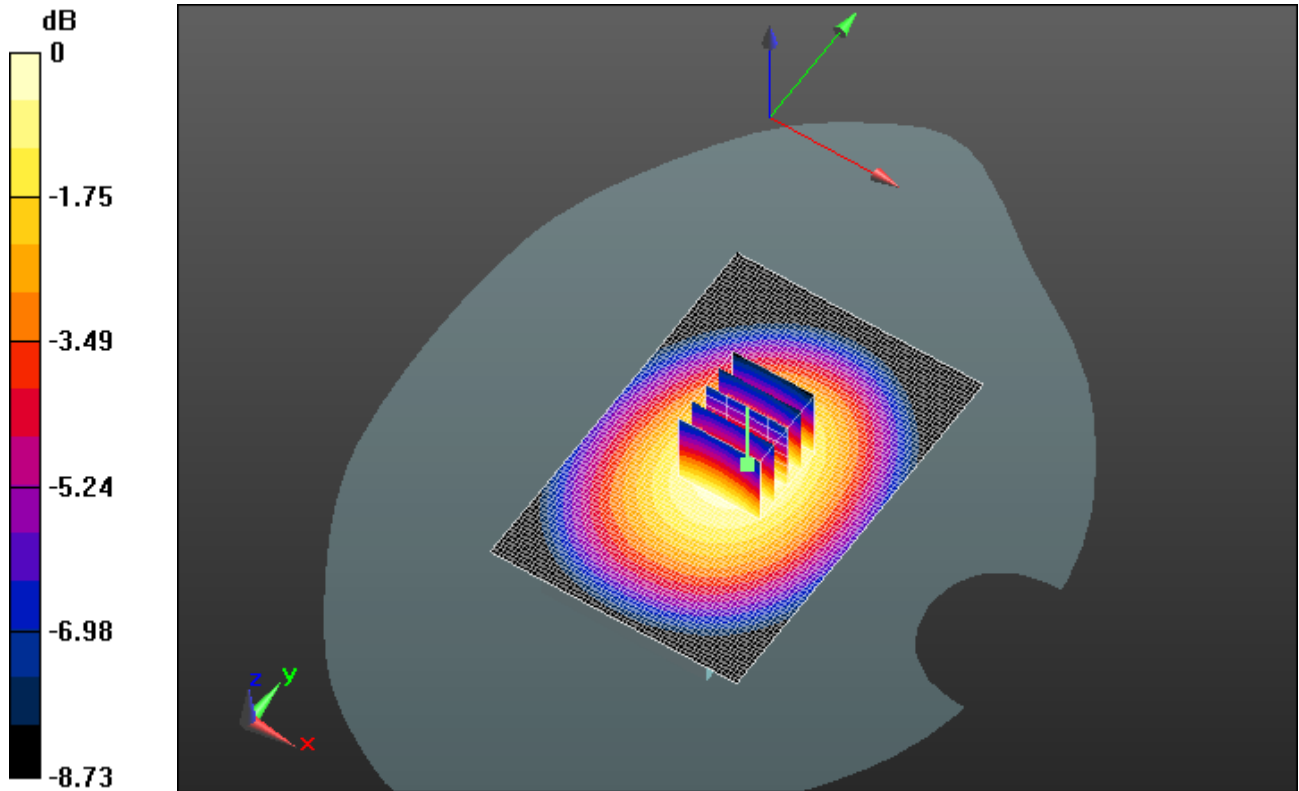
Peak SAR (extrapolated) = 0.6530

SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.377 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 17(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.566 mW/g



0 dB = 0.570mW/g = -4.88 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 18(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 12:24:36 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_V_low_chan_amb_temp_23.2C_liq
_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 826.4 MHz
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.959$ mho/m; $\epsilon_r = 52.732$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.790 mW/g


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

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

Reference Value = 29.478 V/m; Power Drift = -0.06 dB

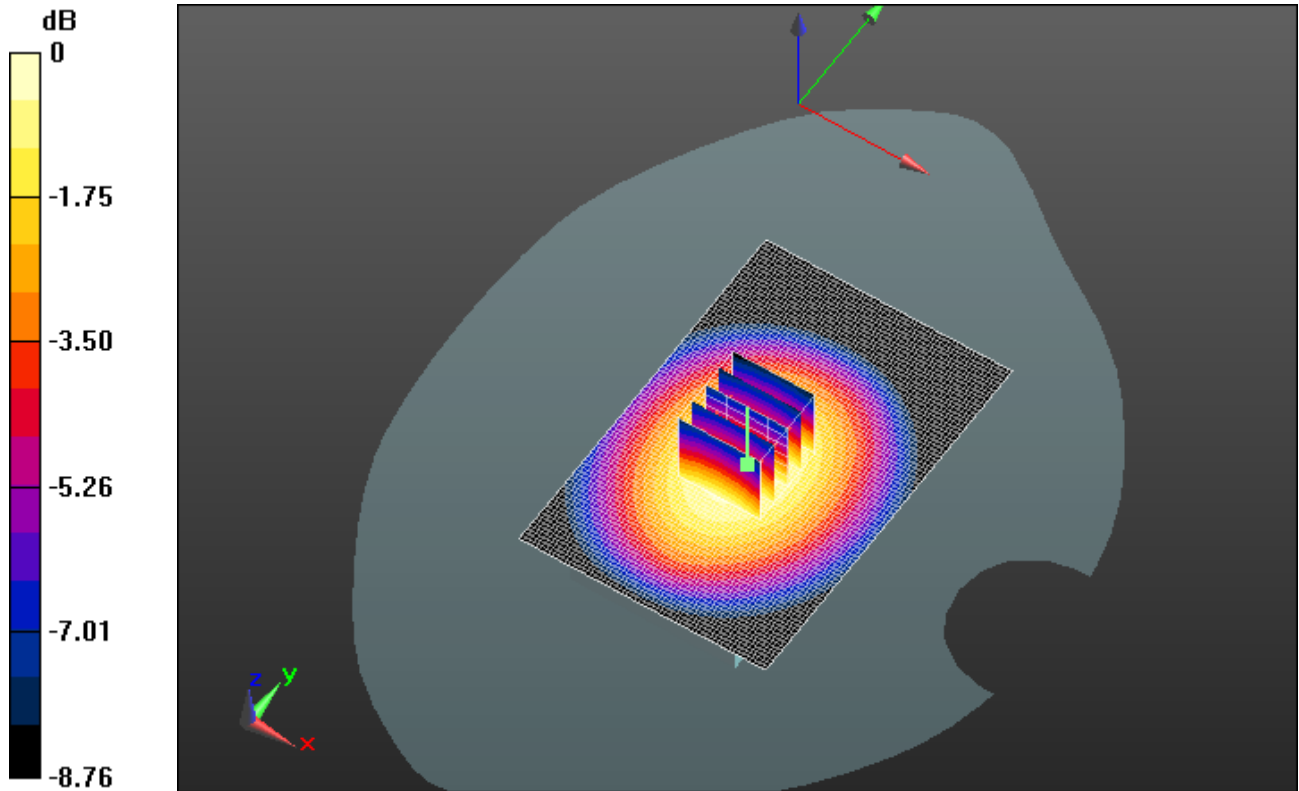
Peak SAR (extrapolated) = 0.9060

SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.519 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 19(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.787 mW/g



0 dB = 0.790mW/g = -2.05 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 20(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 12:00:22 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_V_mid_chan_amb_temp_23.2C_liq
_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.679$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.873 mW/g


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

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

Reference Value = 30.952 V/m; Power Drift = -0.0098 dB

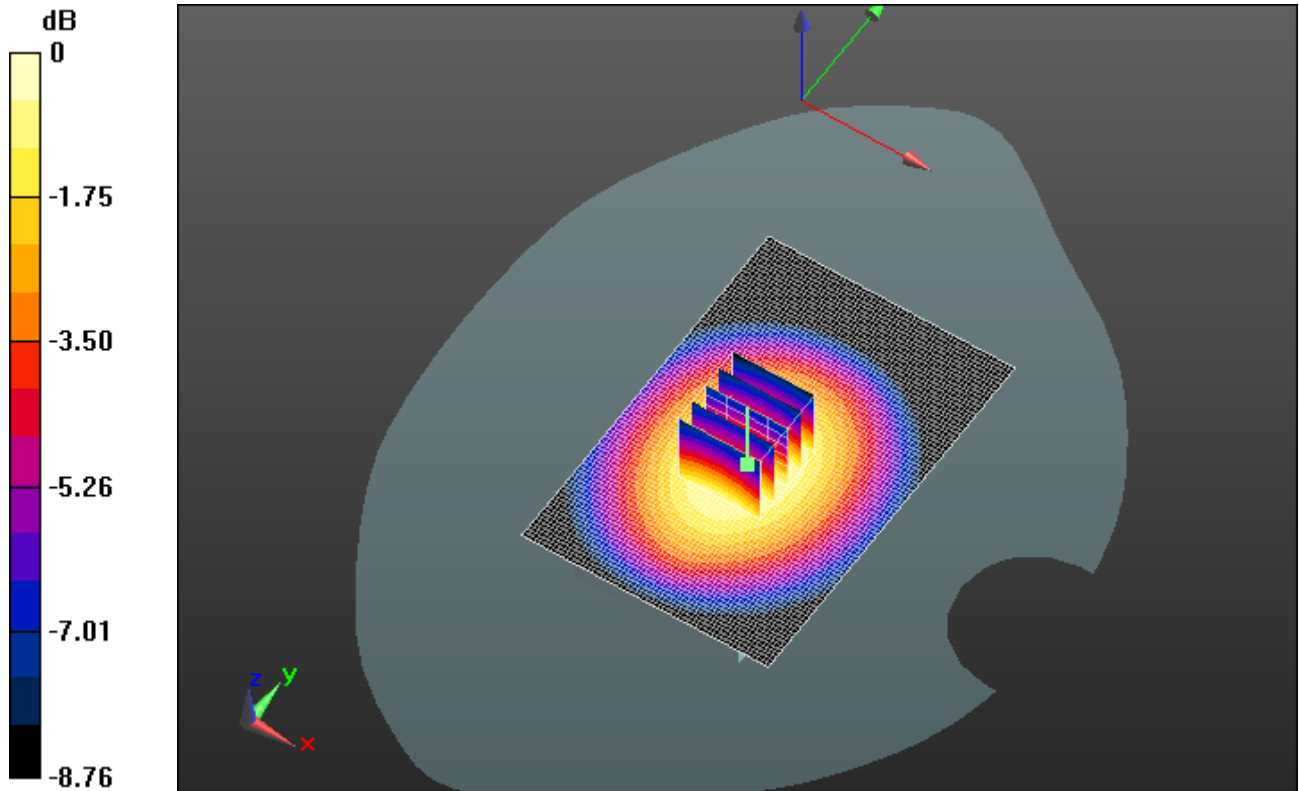
Peak SAR (extrapolated) = 1.0250

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.586 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 21(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.890 mW/g



0 dB = 0.890mW/g = -1.01 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 22(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 12:39:55 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_V_high_chan_amb_temp_23.2C_liq
_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.981$ mho/m; $\epsilon_r = 52.564$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.864 mW/g


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

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

Reference Value = 30.676 V/m; Power Drift = -0.03 dB

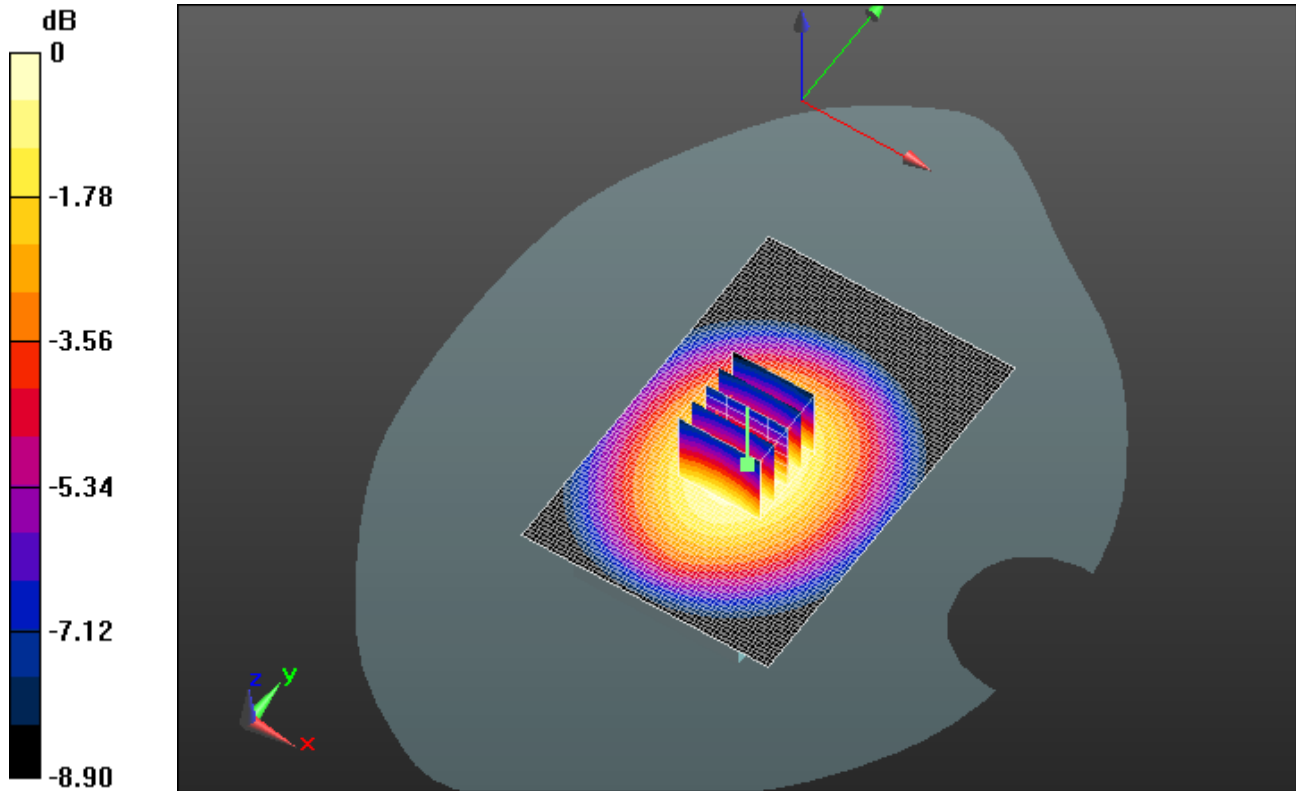
Peak SAR (extrapolated) = 0.9980

SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.567 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 23(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.865 mW/g



0 dB = 0.870mW/g = -1.21 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 24(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/16/2012 6:44:41 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_UMTS_Band_V_mid_chan_amb_temp_23.9C_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
 Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 52.679$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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) = 0.481 mW/g


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

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

Reference Value = 22.065 V/m; Power Drift = 0.0067 dB

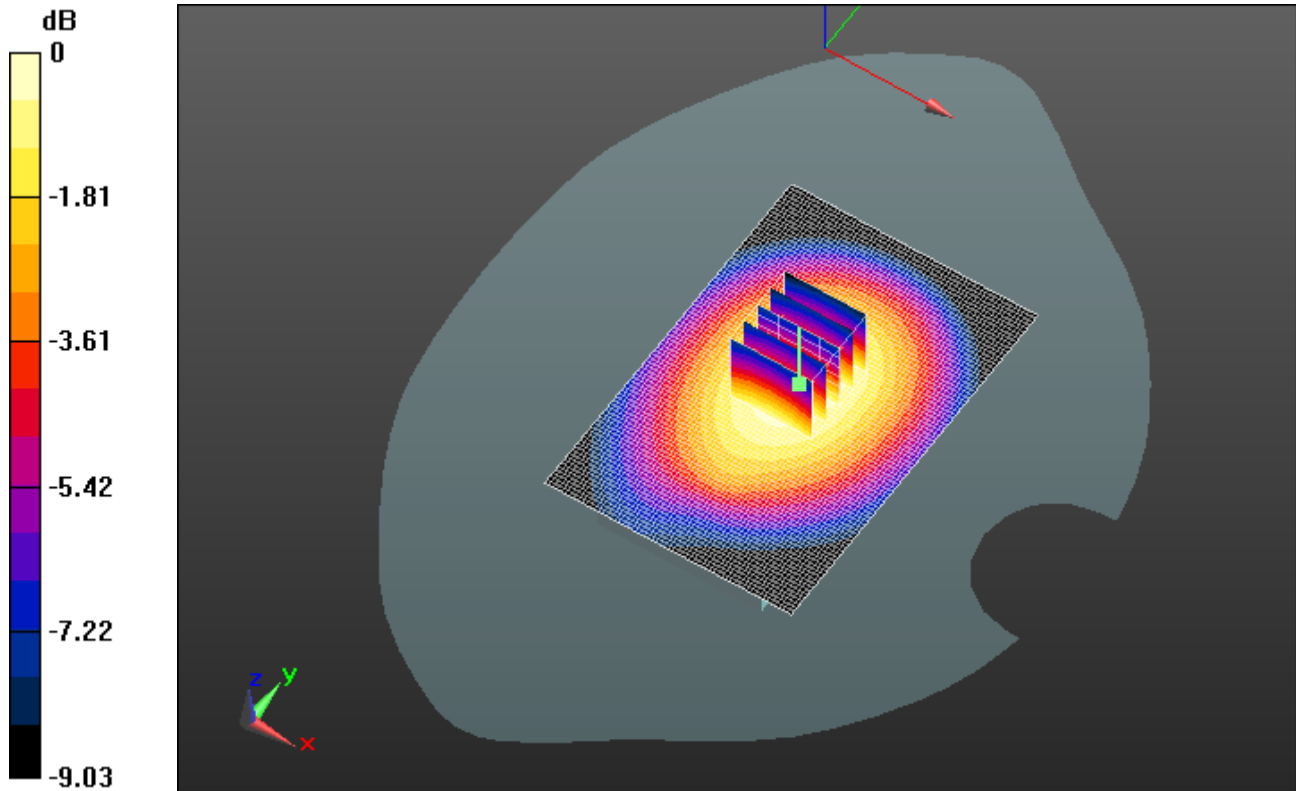
Peak SAR (extrapolated) = 0.5560

SAR(1 g) = 0.429 mW/g; SAR(10 g) = 0.314 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 25(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.478 mW/g



0 dB = 0.480mW/g = -6.38 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 26(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 10:44:15 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_UMTS_Band_IV_low_chan_amb_temp_23.1C_liq_
temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.454$ mho/m;
 $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.066 mW/g


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

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

Reference Value = 4.875 V/m; Power Drift = 0.04 dB

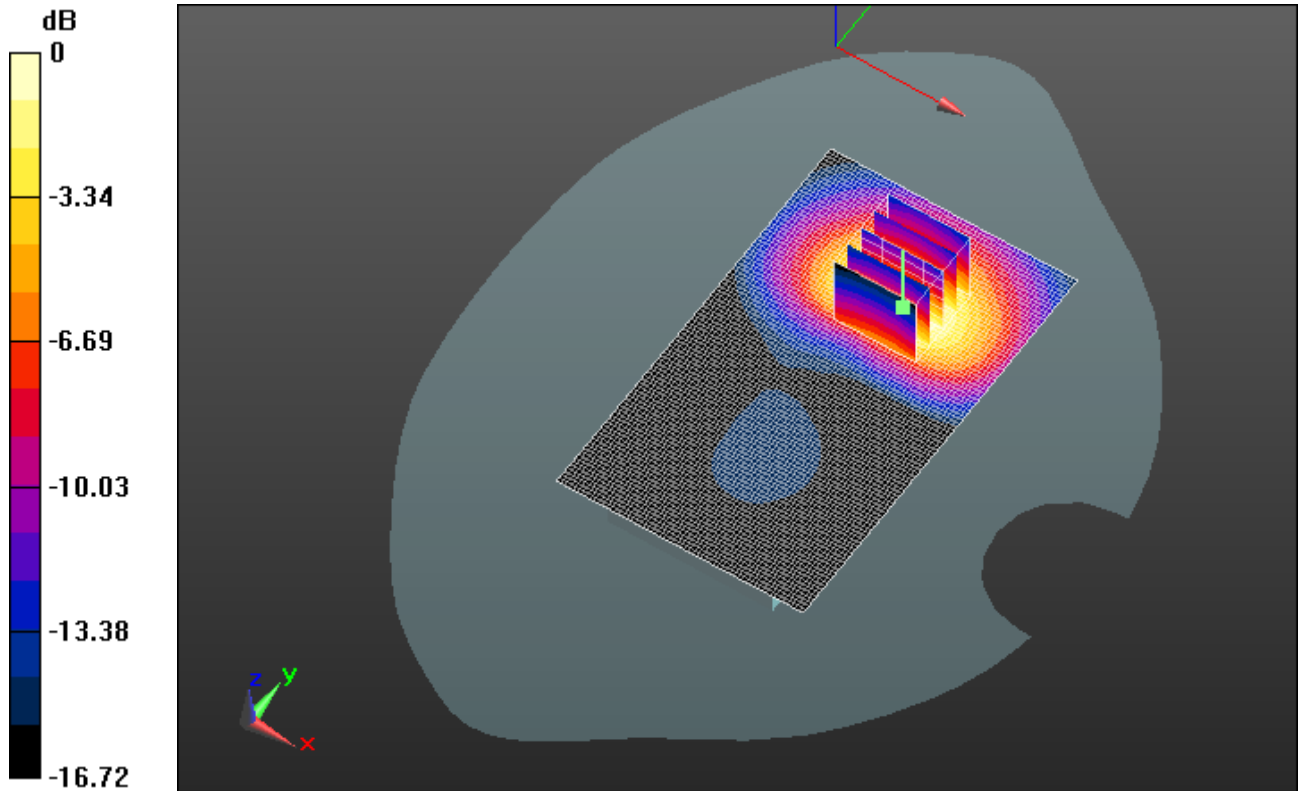
Peak SAR (extrapolated) = 1.3160

SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.483 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 27(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.980 mW/g



0 dB = 0.980mW/g = -0.18 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 28(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 10:25:15 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_UMTS_Band_IV_mid_chan_amb_temp_23.2C_liq_
temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.477$ mho/m;
 $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.569 mW/g


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

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

Reference Value = 5.993 V/m; Power Drift = -0.02 dB

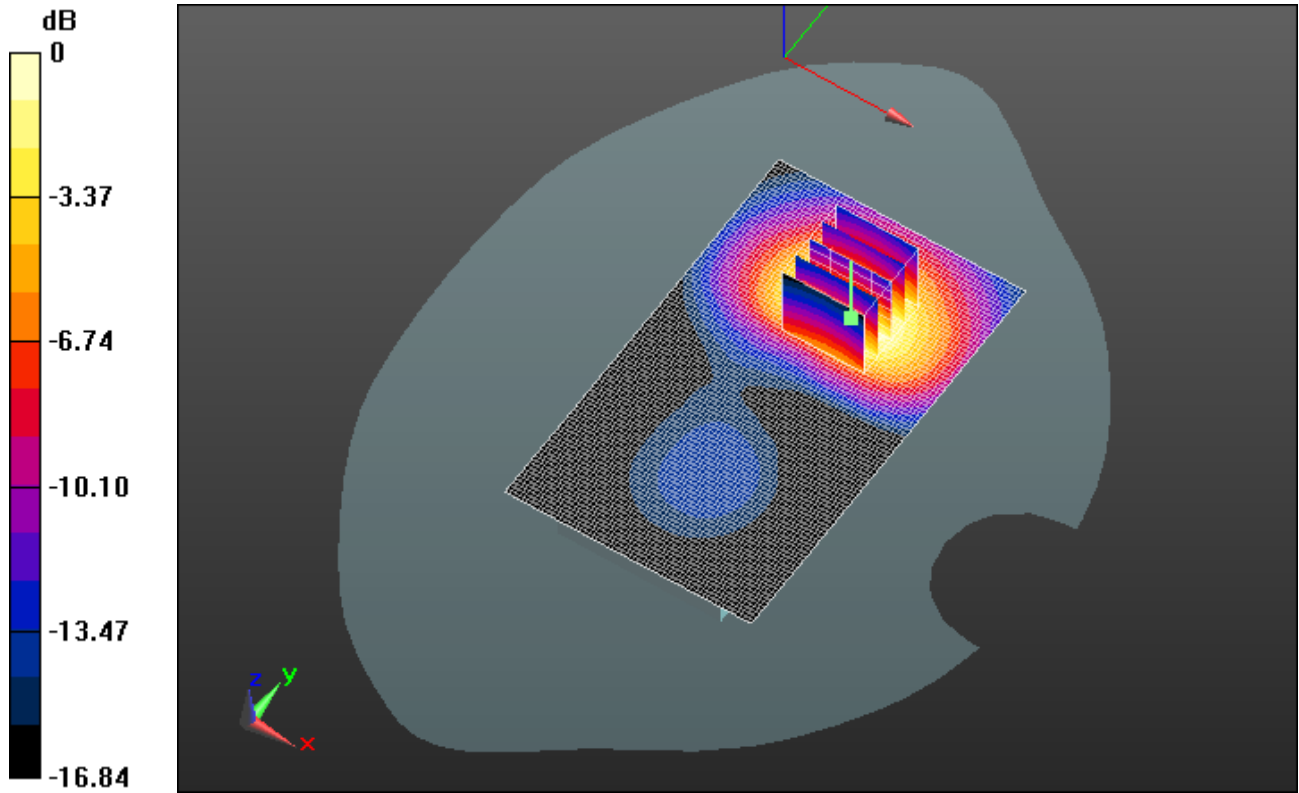
Peak SAR (extrapolated) = 1.9230

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.699 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 29(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.423 mW/g



0 dB = 1.420mW/g = 3.05 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 30(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 11:00:21 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_IV_high_chan_amb_temp_23.1C_liq
_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.501$ mho/m;
 $\epsilon_r = 51.367$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.582 mW/g


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

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

Reference Value = 6.605 V/m; Power Drift = 0.03 dB

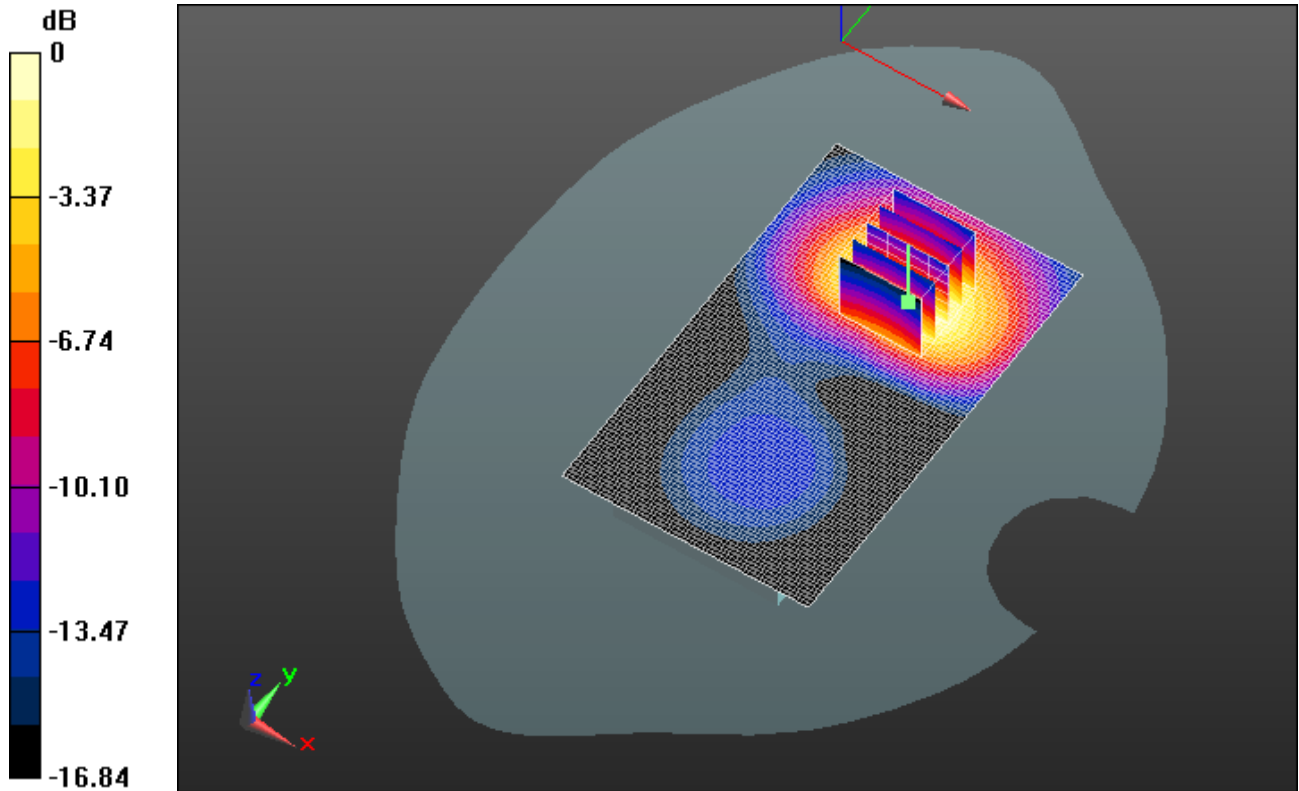
Peak SAR (extrapolated) = 1.9730

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.713 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 31(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.454 mW/g



0 dB = 1.450mW/g = 3.23 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 32(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 11:46:05 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_UMTS_Band_IV_mid_chan_amb_temp_23.2C_liq
_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.477$ mho/m;
 $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.566 mW/g


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

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

Reference Value = 6.580 V/m; Power Drift = 0.06 dB

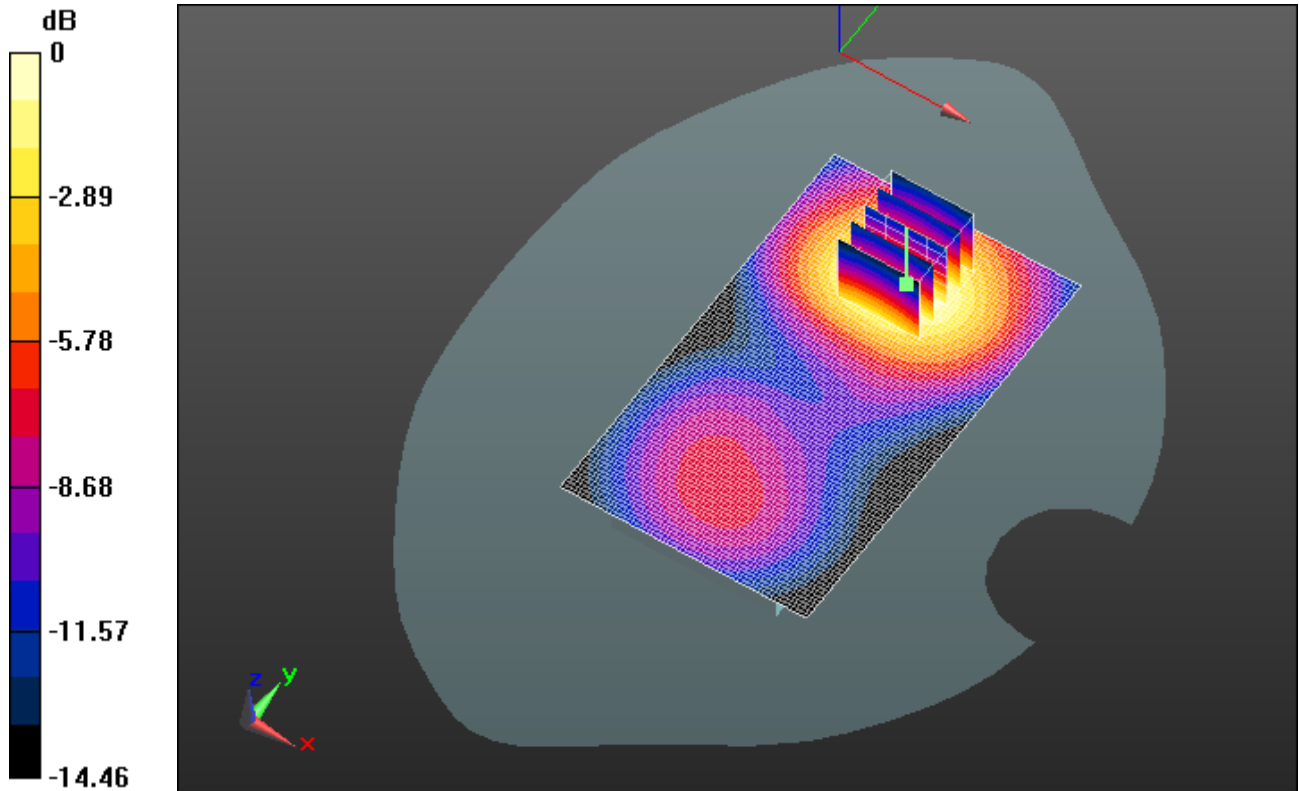
Peak SAR (extrapolated) = 0.7380

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.287 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 33(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.561 mW/g



0 dB = 0.560mW/g = -5.04 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 34(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 7:24:52 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_IV_low_chan_amb_temp_23.5C_liq
_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
 Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.454$ mho/m;
 $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.477 mW/g


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

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

Reference Value = 6.199 V/m; Power Drift = 0.05 dB

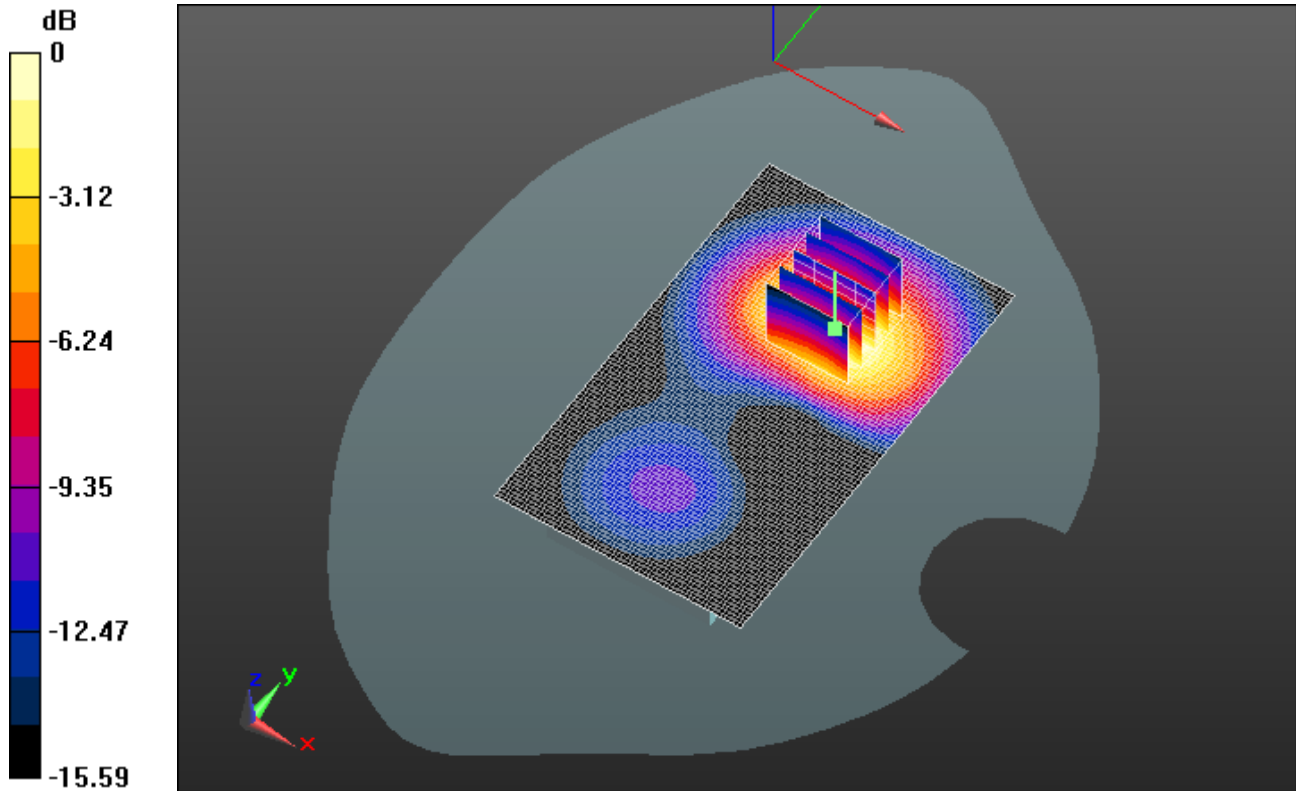
Peak SAR (extrapolated) = 1.8420

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.675 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 35(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.391 mW/g



0 dB = 1.390mW/g = 2.86 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 36(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 8:40:20 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_IV_mid_chan_amb_temp_24.0C_liq
_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.477$ mho/m;
 $\epsilon_r = 51.465$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.999 mW/g


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

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

Reference Value = 4.600 V/m; Power Drift = 0.10 dB

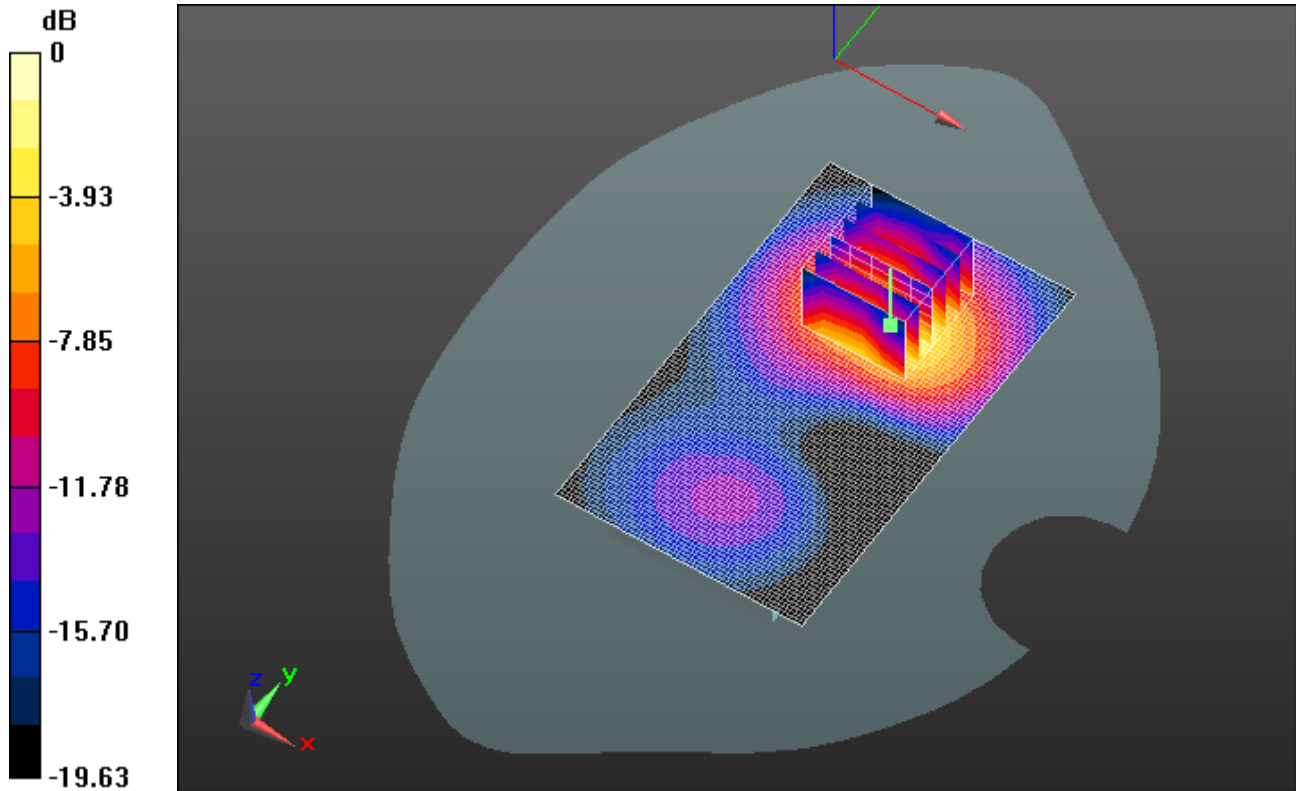
Peak SAR (extrapolated) = 2.1150

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.697 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 37(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.530 mW/g



0 dB = 1.530mW/g = 3.69 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 38(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 7:44:18 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_IV_high_chan_amb_temp_24.1C_li
q_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.501$ mho/m;
 $\epsilon_r = 51.367$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.737 mW/g


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

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

Reference Value = 7.166 V/m; Power Drift = -0.01 dB

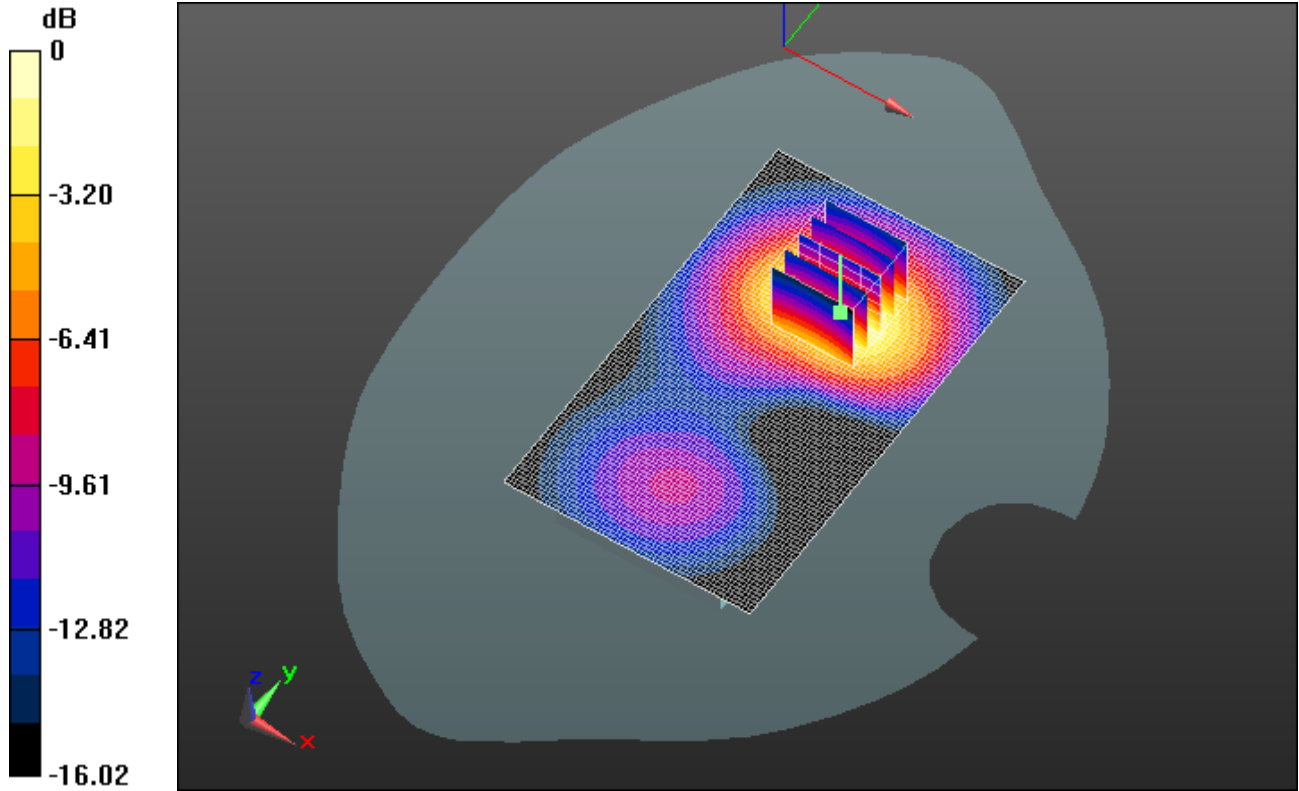
Peak SAR (extrapolated) = 2.2140

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.801 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 39(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.658 mW/g



0 dB = 1.660mW/g = 4.40 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 40(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/27/2012 9:38:36 AM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_Headset_UMTS_Band_IV_high_chan_amb_temp
_23.5C_liq_temp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.501$ mho/m;
 $\epsilon_r = 51.367$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.768 mW/g


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

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

Reference Value = 10.206 V/m; Power Drift = 0.22 dB

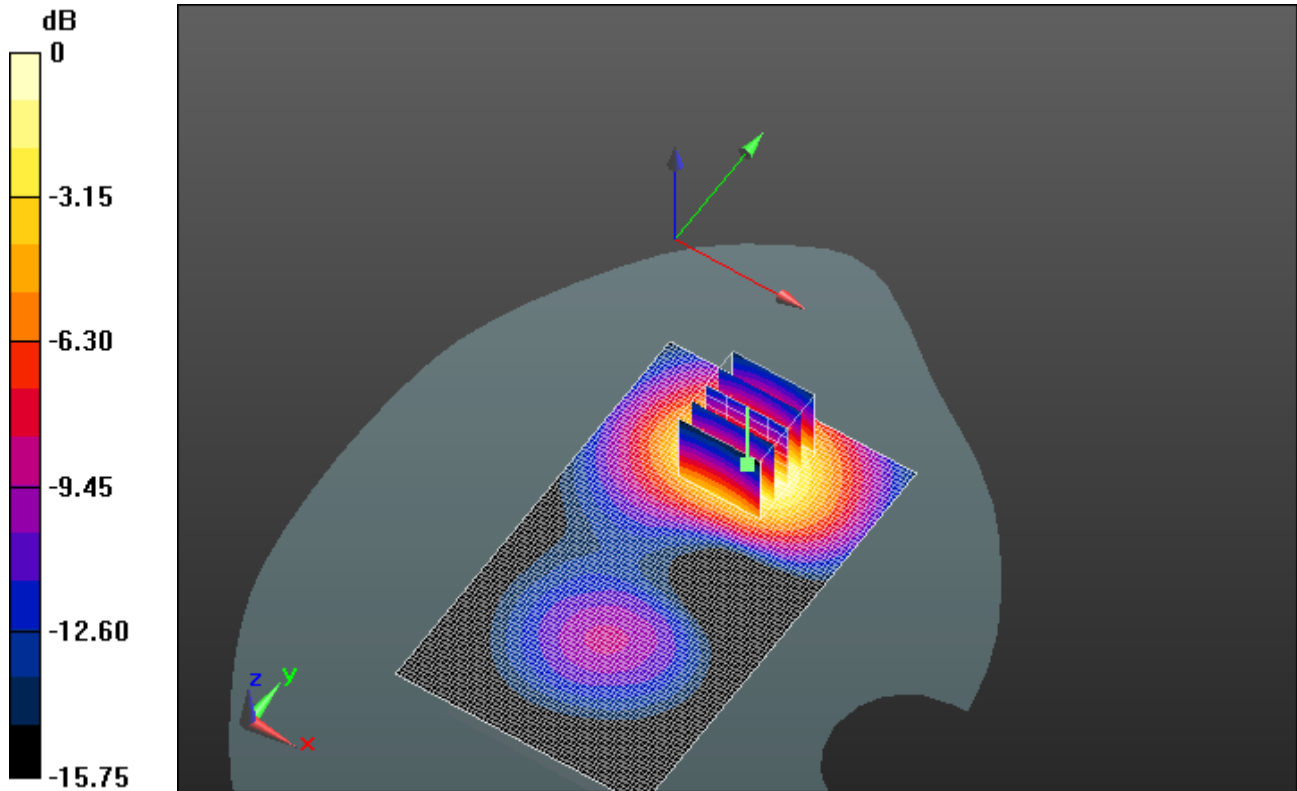
Peak SAR (extrapolated) = 2.2650

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.822 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 41(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.705 mW/g



0 dB = 1.700mW/g = 4.61 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 42(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 6:26:30 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.0C_liq_tem
p_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.484 mW/g

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

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

Reference Value = 3.666 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.6620

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.490 mW/g

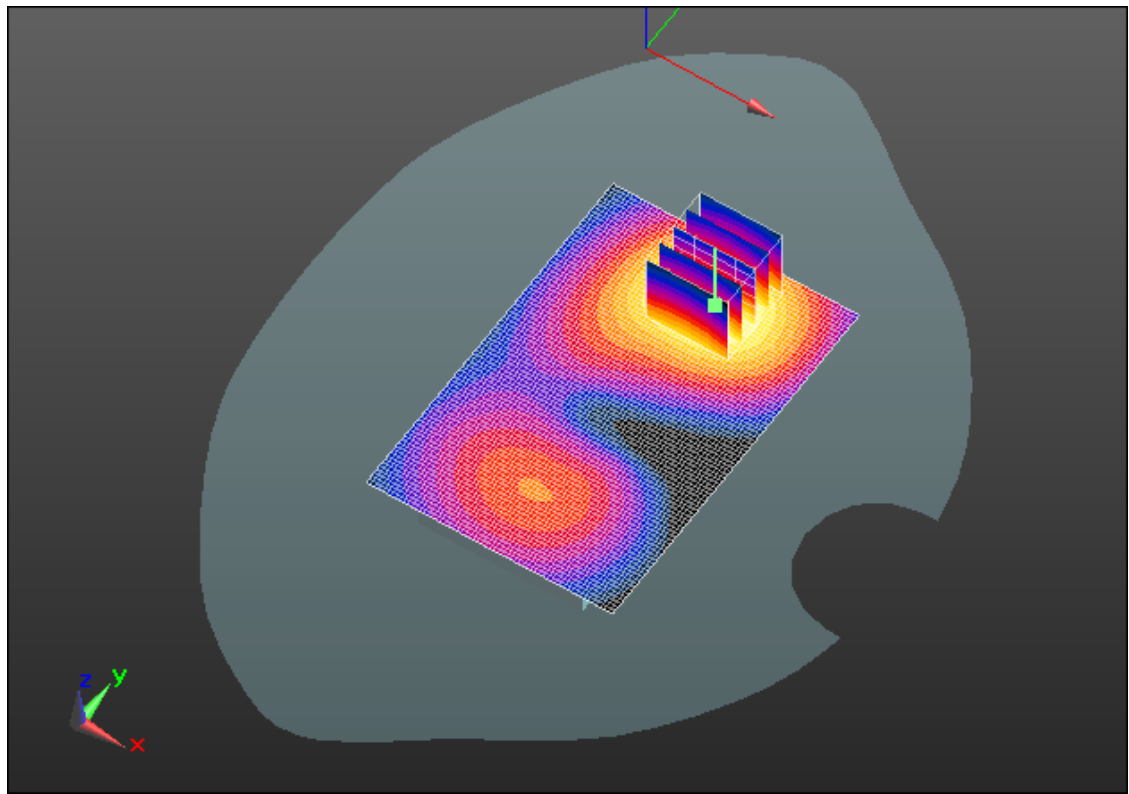
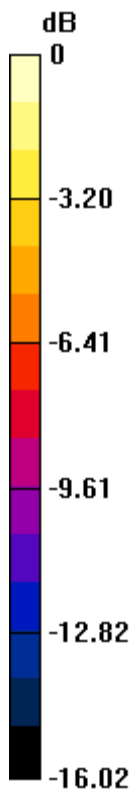
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.490mW/g = -6.20 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 44(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 7:25:15 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Front_GPRS1900_mid_chan_amb_temp_22.9C_liq_tem
p_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 1900; Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.220 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube
0:** Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 3.589 V/m; Power Drift = 0.30 dB
Peak SAR (extrapolated) = 0.2880
SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.114 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

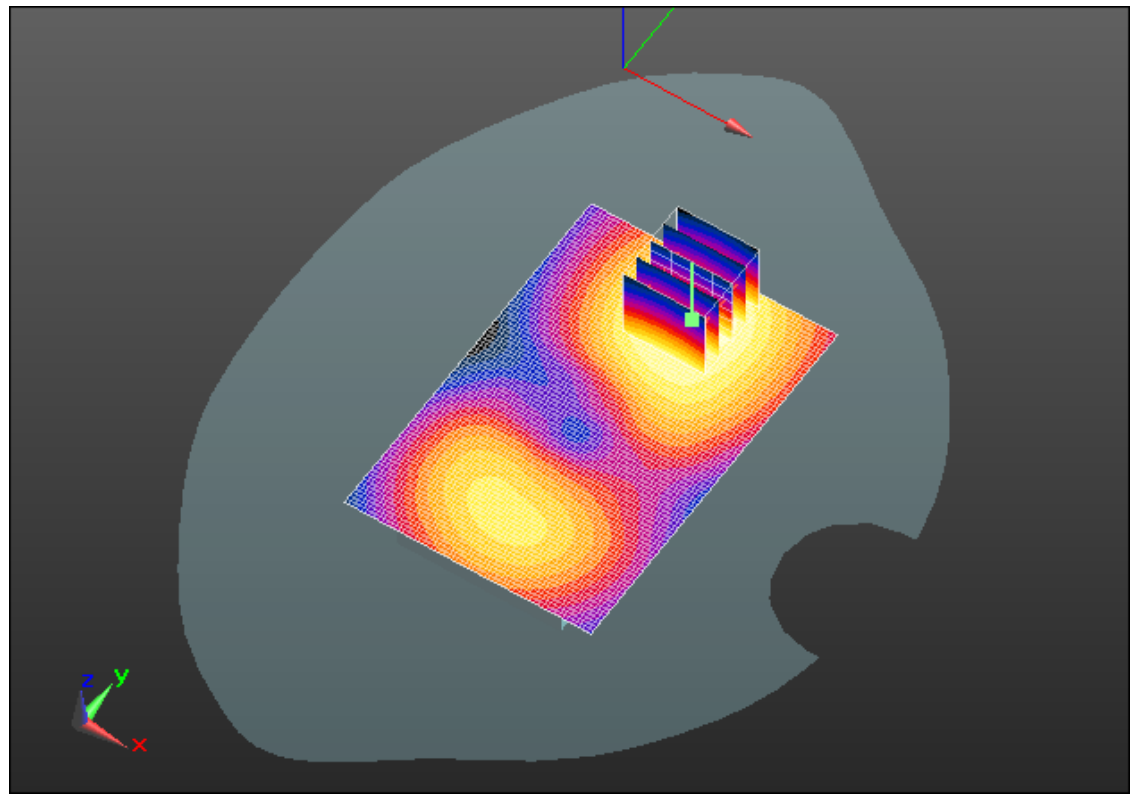
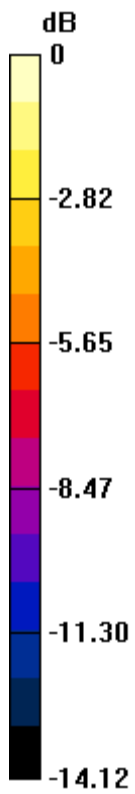
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.220mW/g = -13.15 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 46(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 7:45:40 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_22.9C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.410 mW/g

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

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

Reference Value = 5.842 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.5650

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.415 mW/g

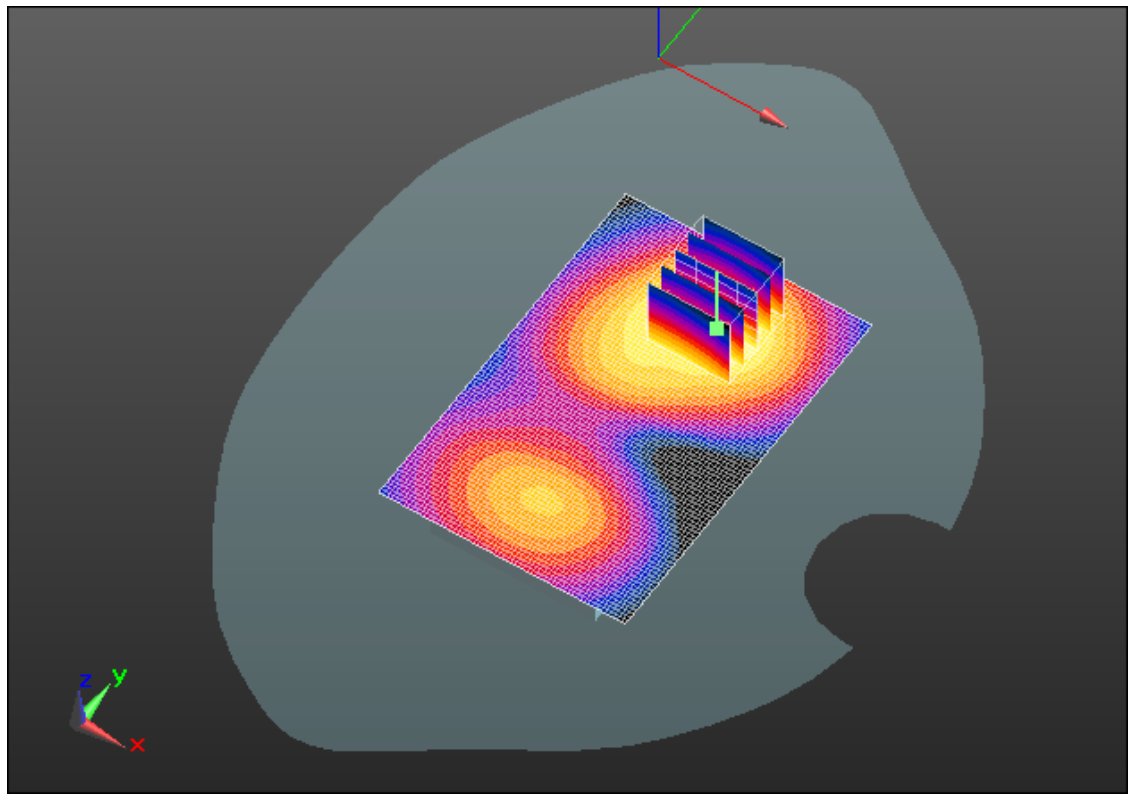
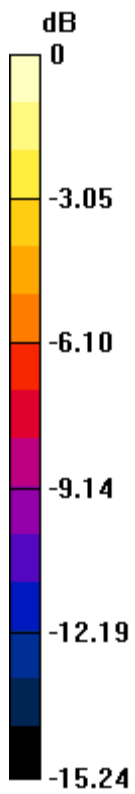
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.420mW/g = -7.54 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 48(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 7:07:05 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_22.8
C_liq_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.482 mW/g

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

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

Reference Value = 3.753 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.6470

SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.235 mW/g

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

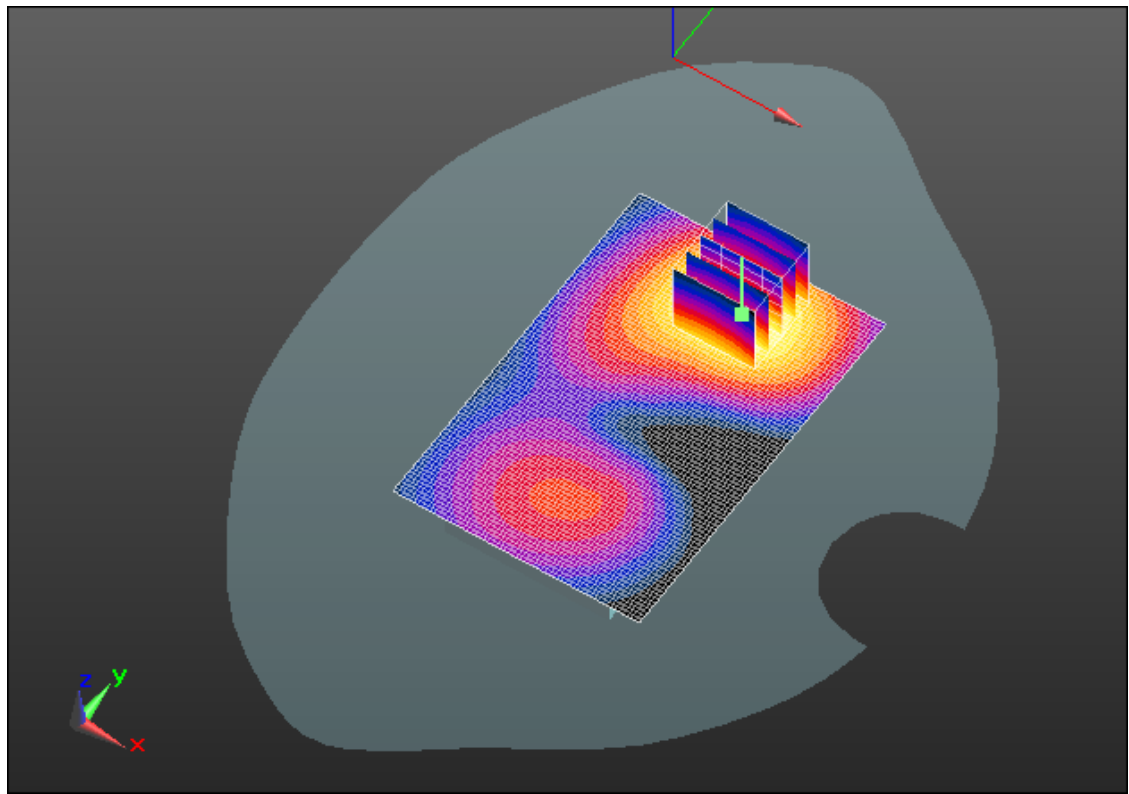
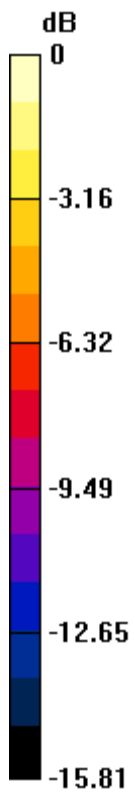
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.490mW/g = -6.20 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 50(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/9/2012 6:08:57 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.2C_liq_t
emp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.711 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube
0:** Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 5.518 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.9420
SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.345 mW/g
Maximum value of SAR (measured) = 0.704 mW/g

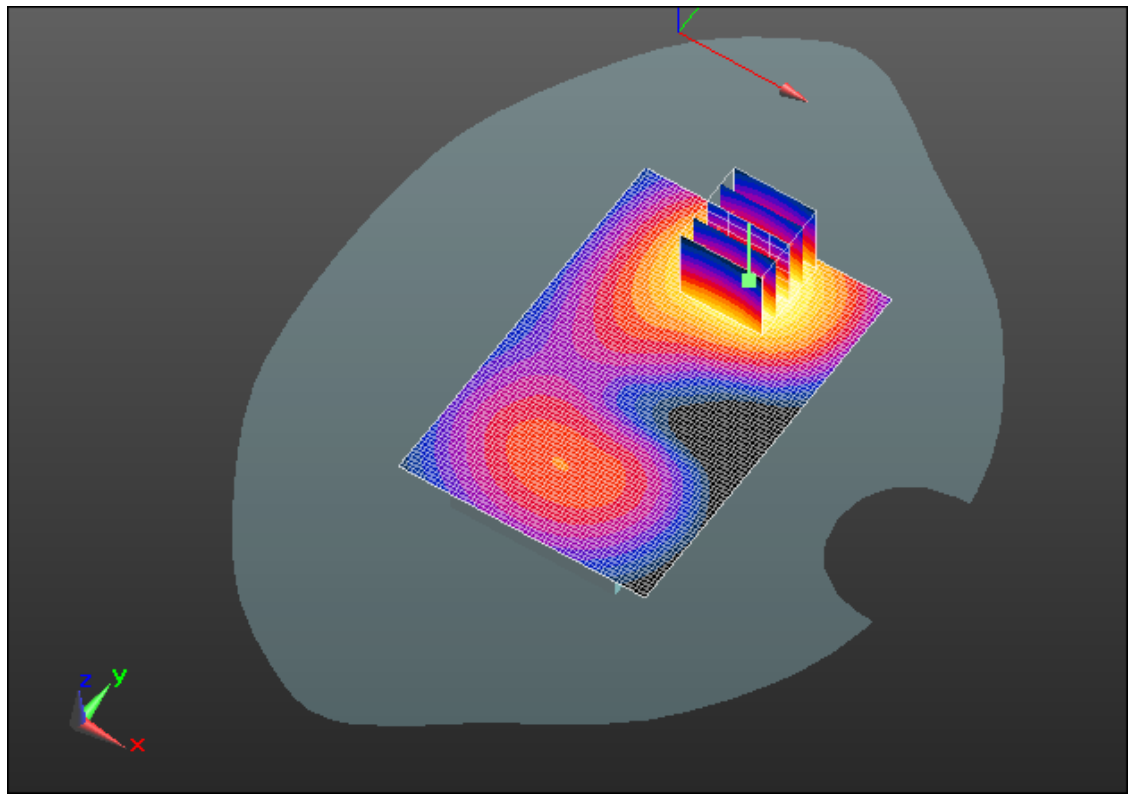
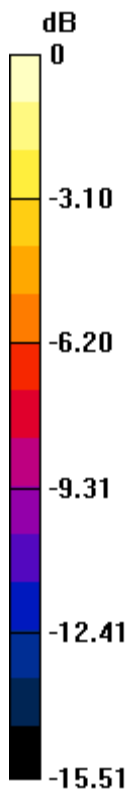
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.700mW/g = -3.10 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 52(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/9/2012 6:26:57 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Front_UMTS_Band_II_mid_chan_amb_temp_23.2C_liq_t
emp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.355 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube
0:** Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 6.233 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.4700
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.354 mW/g

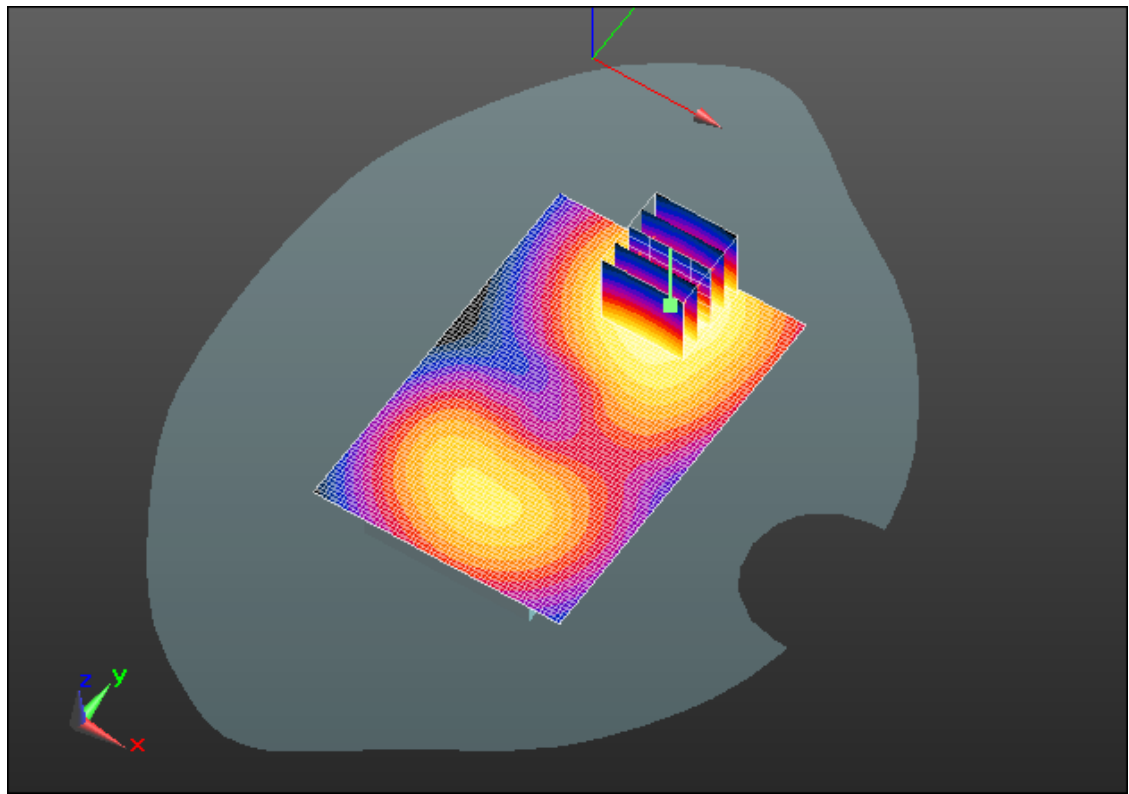
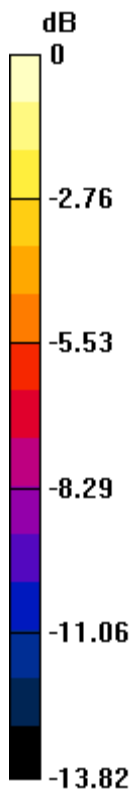
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.350mW/g = -9.12 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 54(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/9/2012 6:48:40 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_UMTS_Band_II_mid_chan_amb_temp_23.0C_liq
_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.660 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 7.191 V/m; Power Drift = 0.0099 dB
Peak SAR (extrapolated) = 0.9000
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 0.672 mW/g

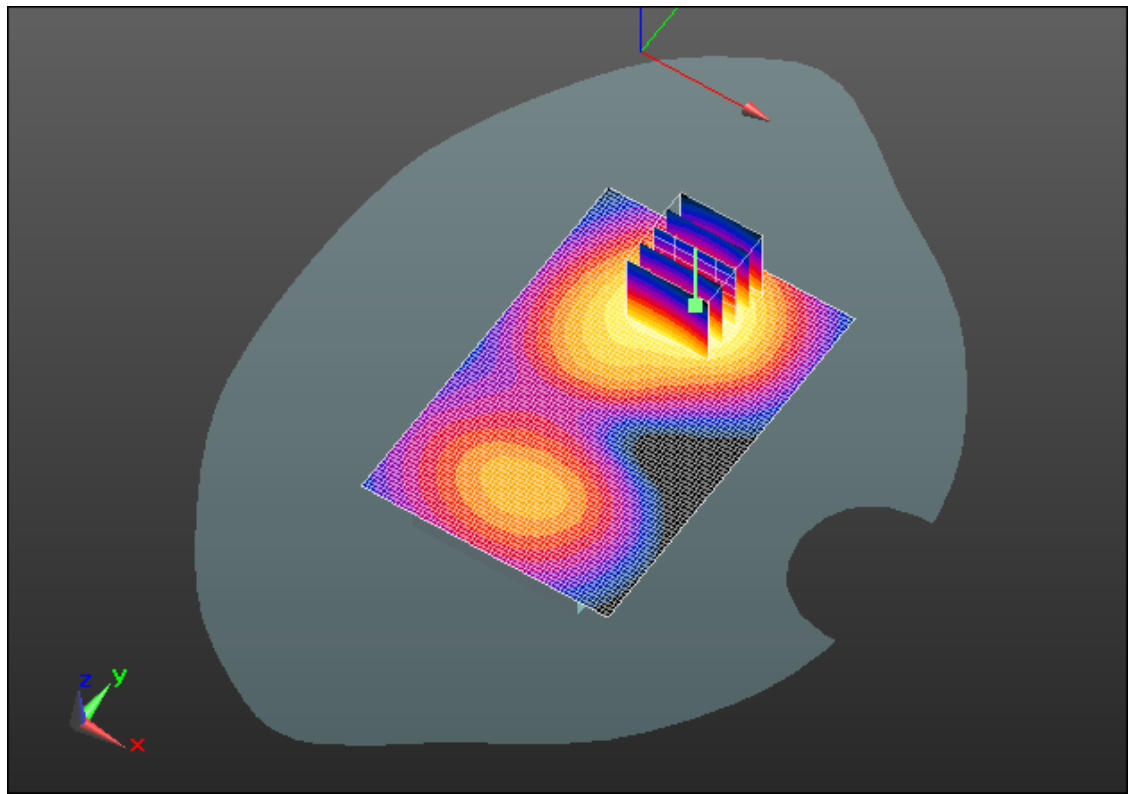
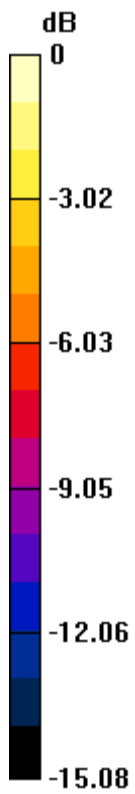
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.670mW/g = -3.48 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 56(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/9/2012 7:57:17 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_Headset_UMTS_Band_II_mid_chan_amb_temp_2
2.8C_liq_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 50.823$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.760 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 4.623 V/m; Power Drift = 0.41 dB
Peak SAR (extrapolated) = 1.0080
SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 0.750 mW/g

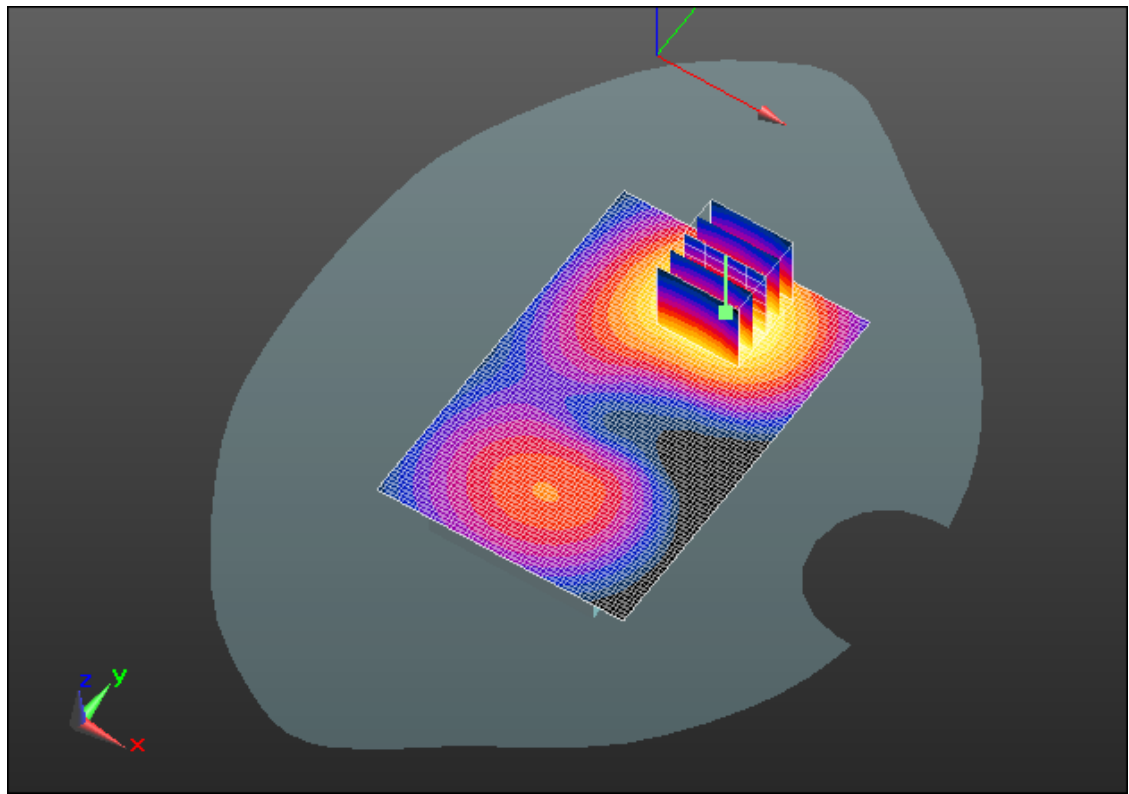
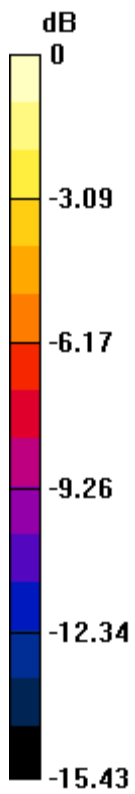
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 0.750mW/g = -2.50 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 58(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 11:49:18 AM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_802.11b_high_chan_amb_temp_23.3C_liq_temp_2
2.4C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.979$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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


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

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

Reference Value = 5.072 V/m; Power Drift = 0.18 dB

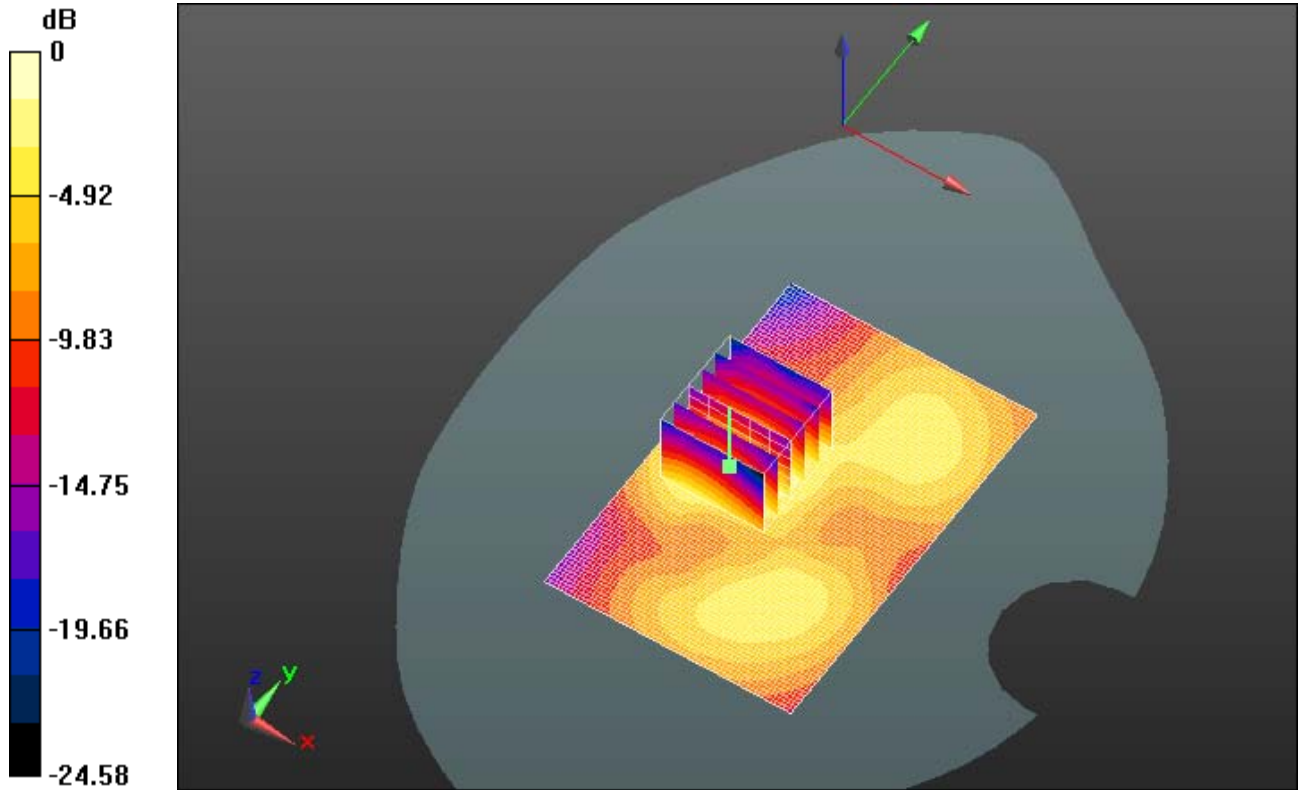
Peak SAR (extrapolated) = 0.1620

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.050 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 59(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.110 mW/g



0 dB = 0.110mW/g = -19.17 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 60(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 11:30:06 AM

Test Laboratory: RIM Testing Services

20mm_Spacer_Front_802.11b_high_chan_amb_temp_23.4C_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.979$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.068 mW/g


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

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

Reference Value = 1.754 V/m; Power Drift = 0.15 dB

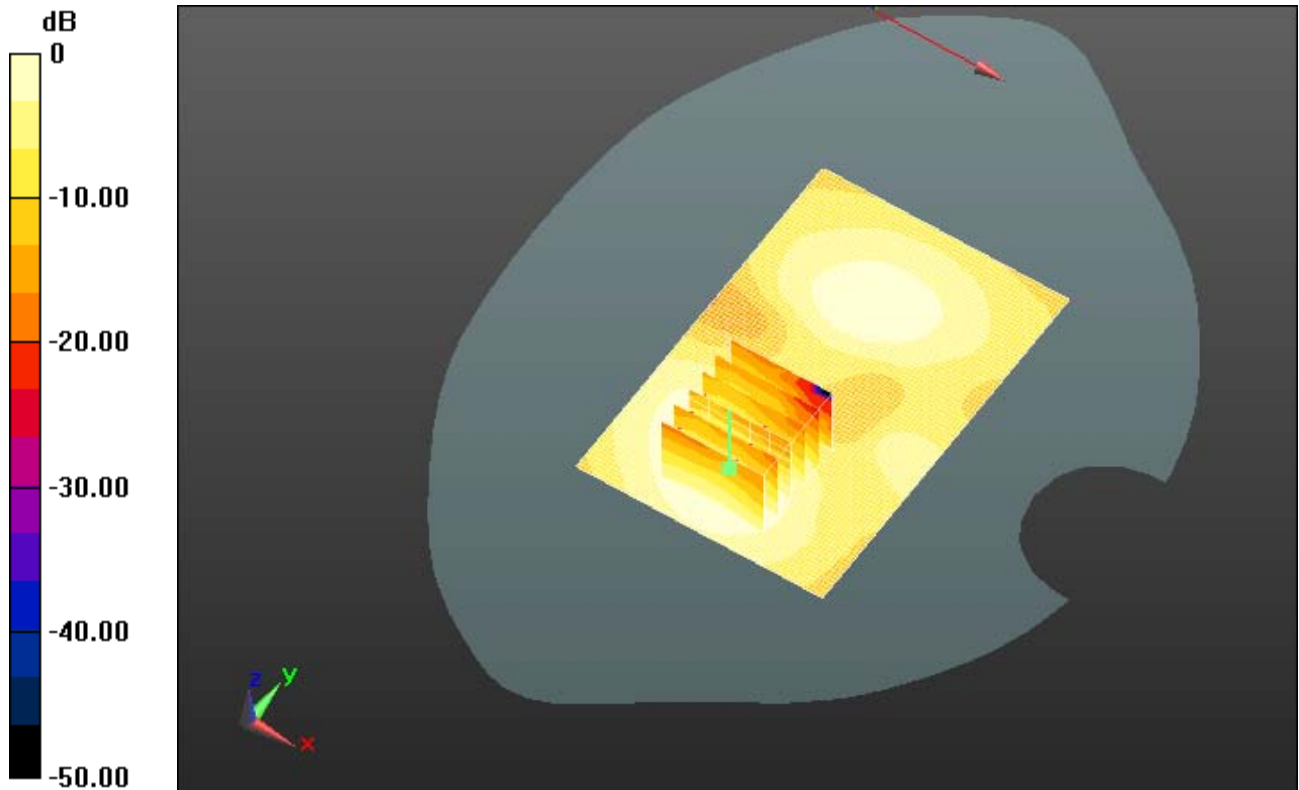
Peak SAR (extrapolated) = 0.0940

SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.031 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 61(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.065 mW/g



0 dB = 0.060mW/g = -24.44 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 62(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 10:42:00 AM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Spacer_Back_802.11b_high_chan_amb_temp_23.4C_li
q_temp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.979$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.088 mW/g


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

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

Reference Value = 5.470 V/m; Power Drift = -0.16 dB

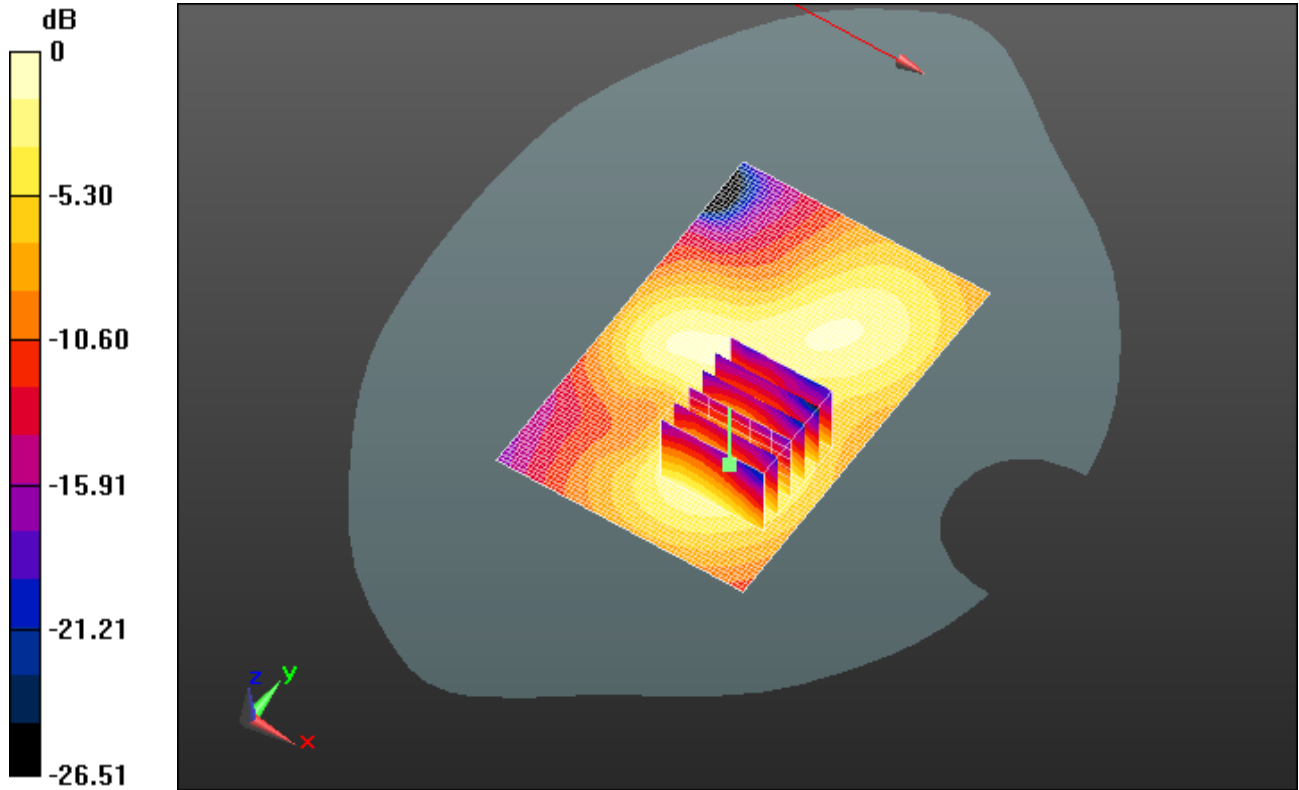
Peak SAR (extrapolated) = 0.1380

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.041 mW/g


	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 63(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.091 mW/g



0 dB = 0.090mW/g = -20.92 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 64(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 12:08:19 PM

Test Laboratory: RIM Testing Services

**20mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_23.2C_li
q_temp_22.4C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.979$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.063 mW/g


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

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

Reference Value = 4.381 V/m; Power Drift = -0.03 dB

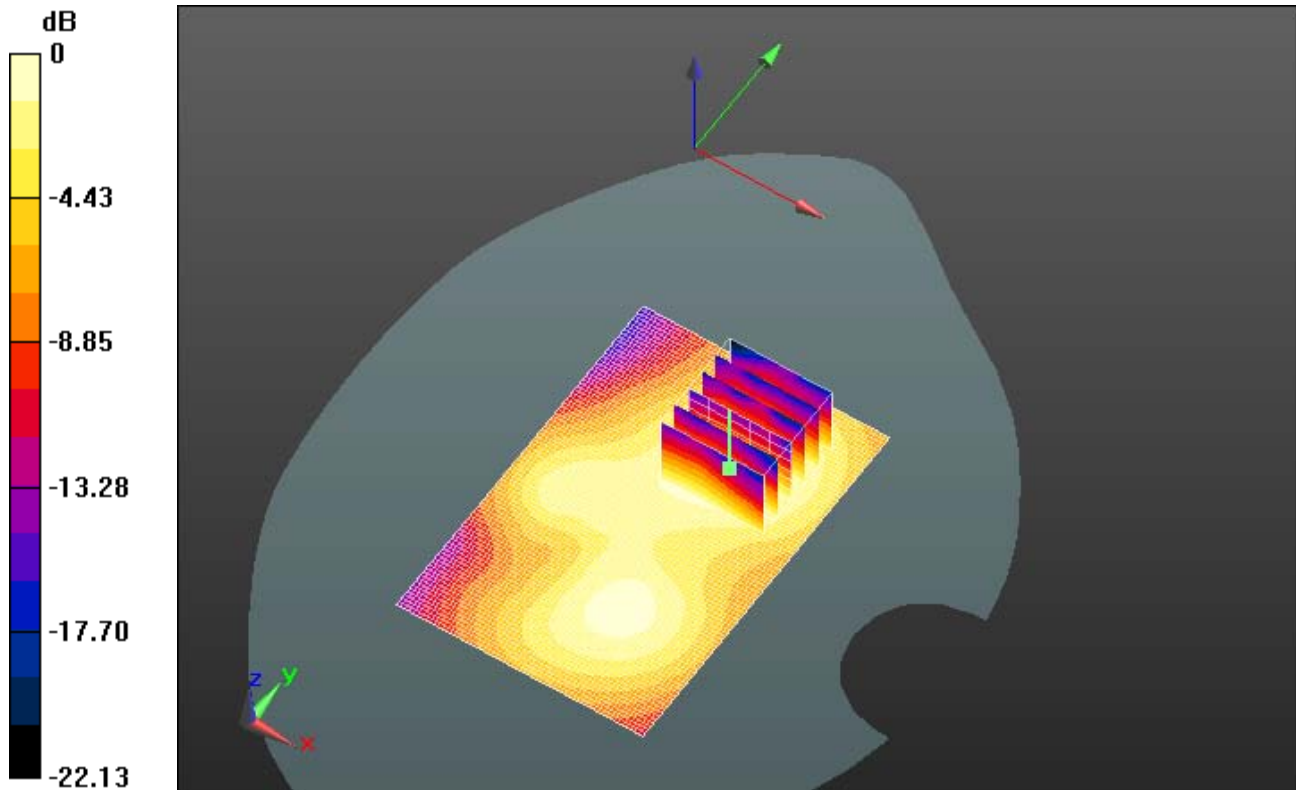
Peak SAR (extrapolated) = 0.0950

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.031 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 65(66)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.060mW/g = -24.44 dB mW/g

Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012

Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW

Z axis plot for the worst case body configuration

