

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 1(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			2(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/20/2012 9:56:03 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_22.1C_liq_temp_21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.216$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.377 mW/g

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

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

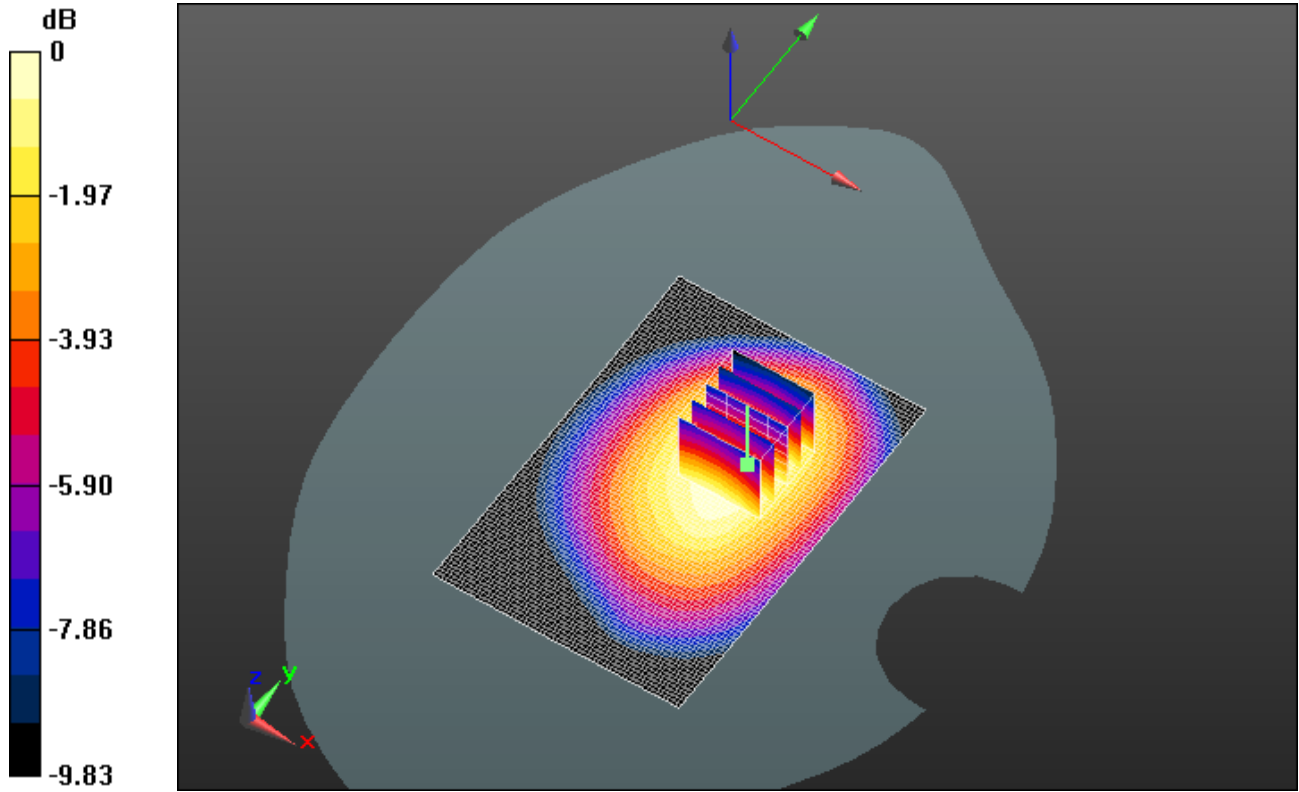
Reference Value = 17.077 V/m; Power Drift = 0.42 dB

Peak SAR (extrapolated) = 0.4290

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.233 mW/g

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

Maximum value of SAR (measured) = 0.360 mW/g



0 dB = 0.360mW/g = -8.87 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report				Page 4(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/20/2012 10:34:31 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS850_mid_chan_amb_temp_22.6C_liq_temp_21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.216$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.255 mW/g

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

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

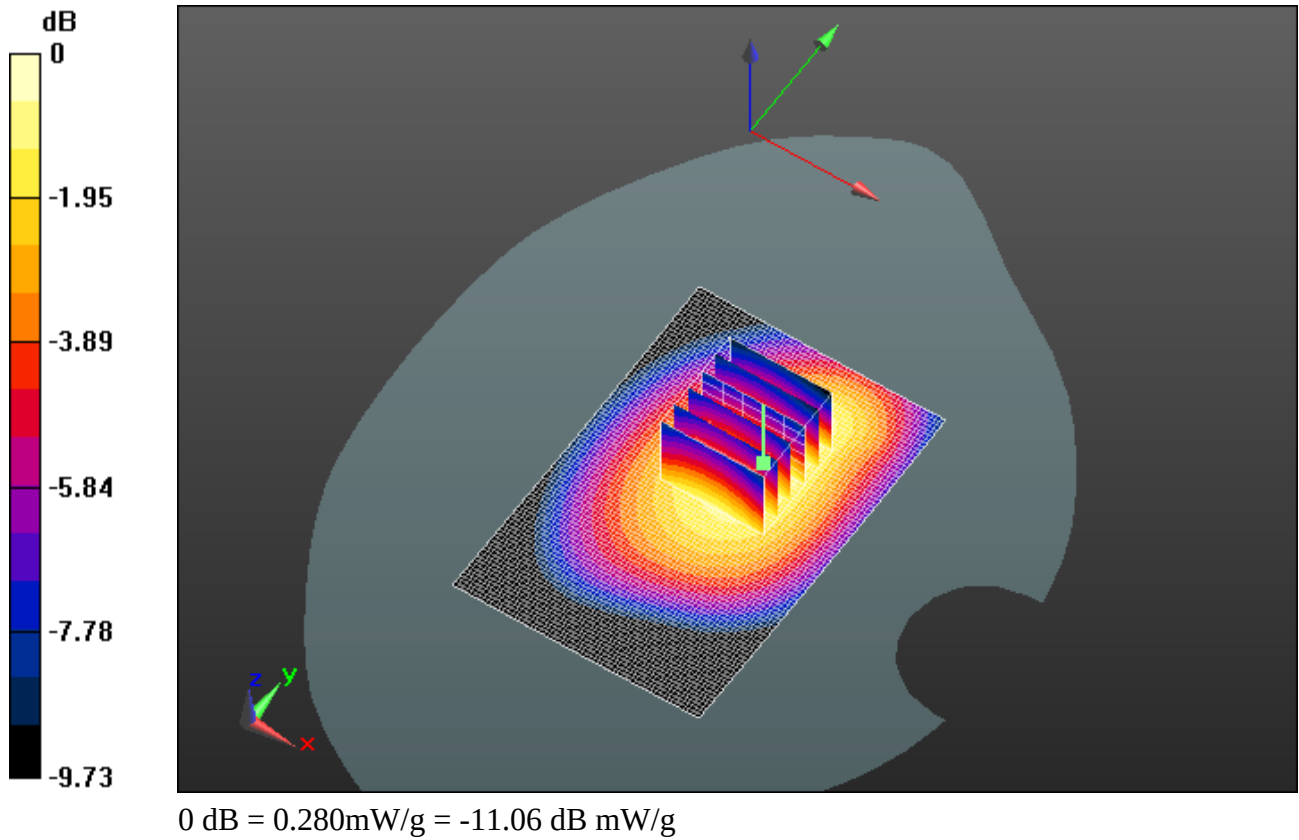
Reference Value = 15.380 V/m; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 0.3290

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.185 mW/g

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

Maximum value of SAR (measured) = 0.279 mW/g



	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 6(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/20/2012 11:12:37 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_22.4C_liq_tem p_21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.216$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.265 mW/g

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

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

Reference Value = 16.115 V/m; Power Drift = 0.04 dB

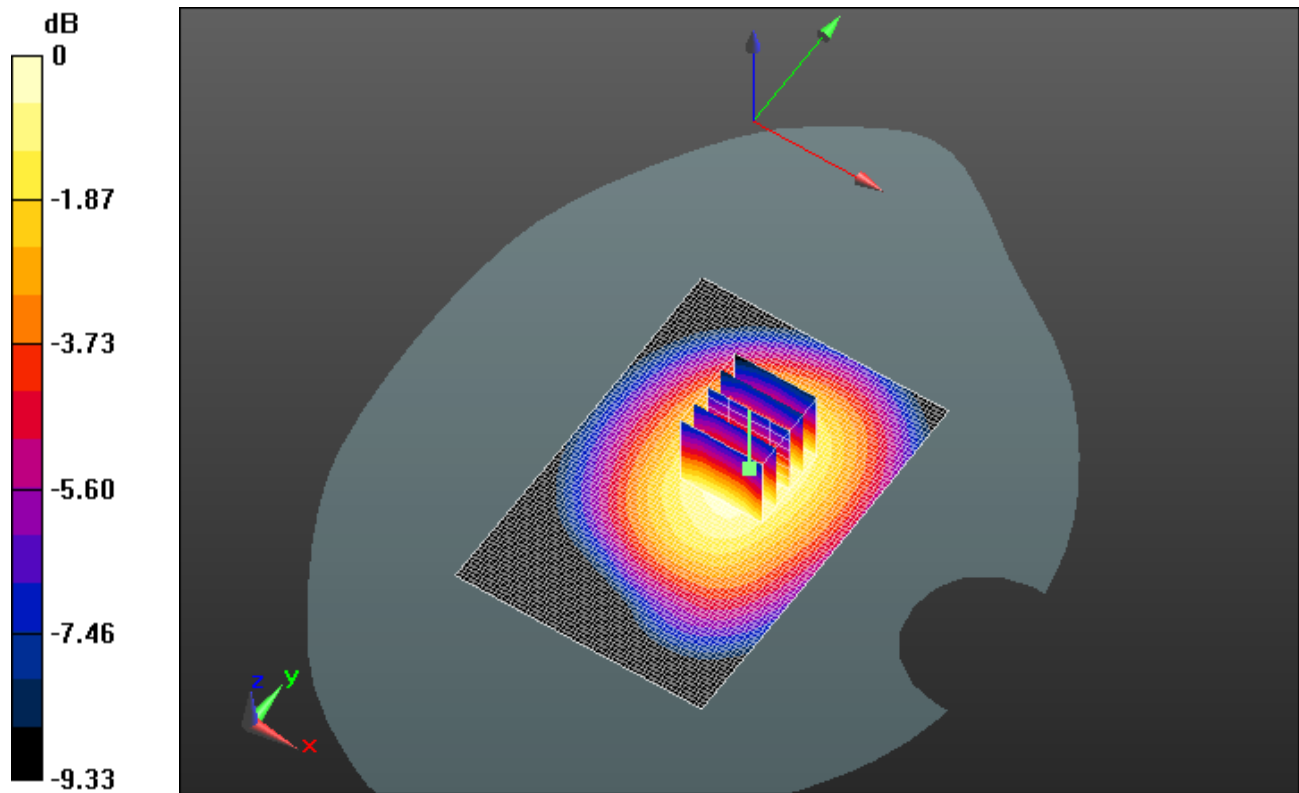
Peak SAR (extrapolated) = 0.3140

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.176 mW/g

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

Maximum value of SAR (measured) = 0.265 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 7(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.270mW/g = -11.37 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report				Page 8(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/20/2012 10:55:03 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_GPRS850_mid_chan_amb_temp_22.4C
_liq_temp_21.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.216$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.301 mW/g

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

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

Reference Value = 16.482 V/m; Power Drift = -0.22 dB

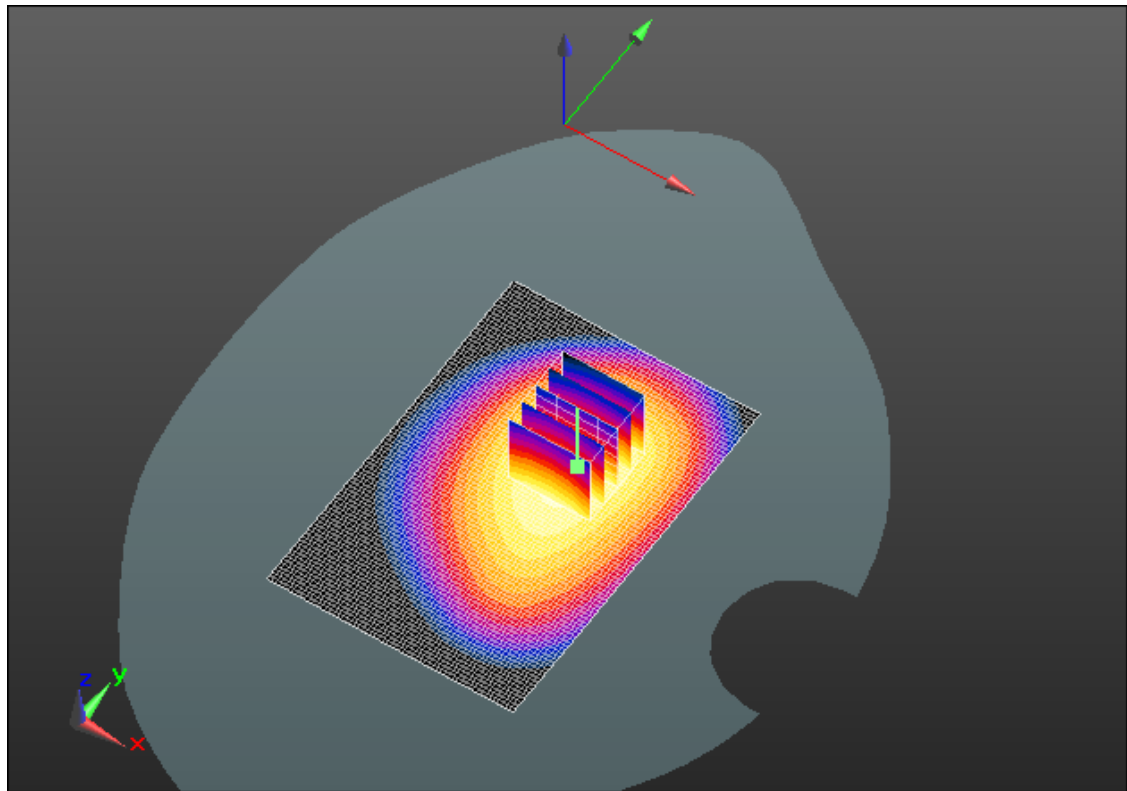
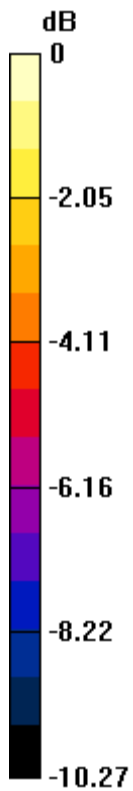
Peak SAR (extrapolated) = 0.3620

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.195 mW/g

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

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

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 9(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.310mW/g = -10.17 dB mW/g

	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			10(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 4/27/2012 10:36:12 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_low_chan_amb_temp_23.5C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 850; Frequency: 824.2 MHz

Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 54.477$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.750 mW/g

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

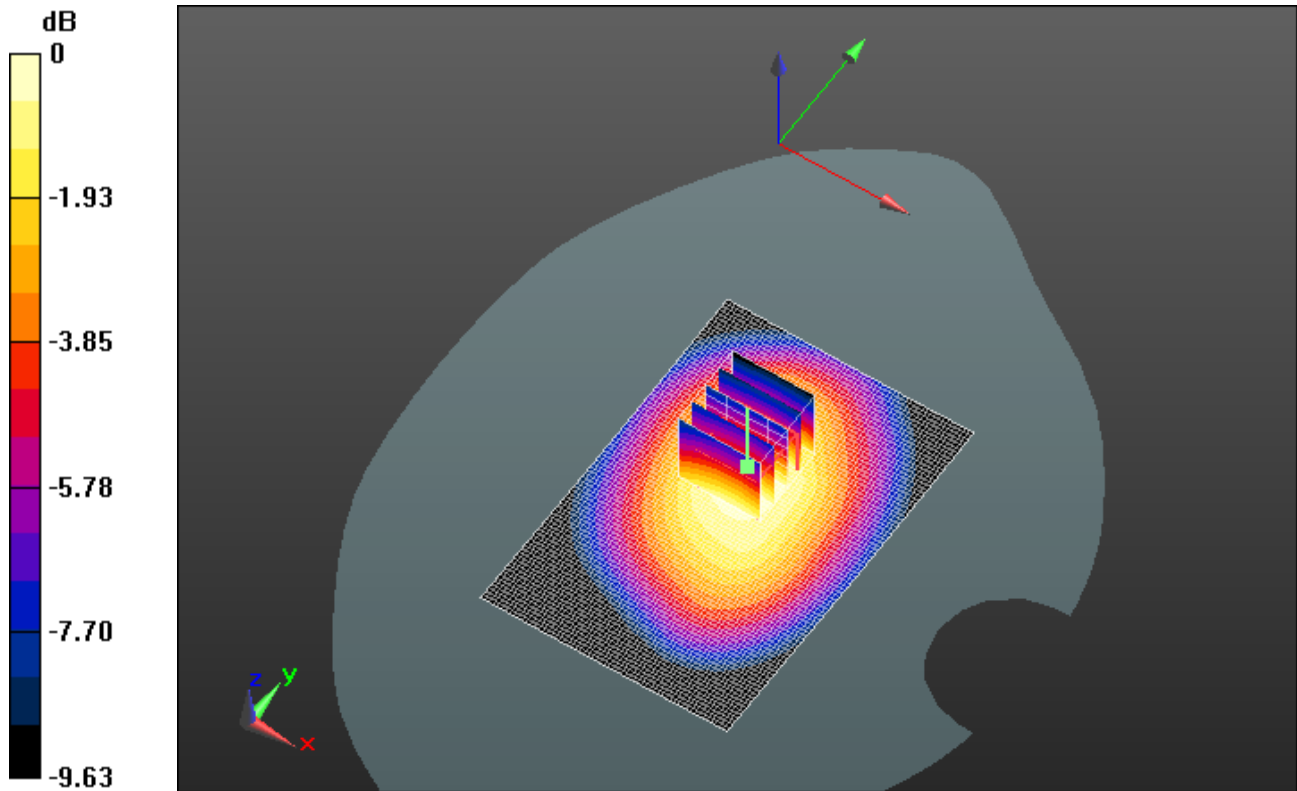
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.504 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.8770

SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.481 mW/g

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



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

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			12(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/27/2012 9:48:19 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.3C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 54.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.862 mW/g

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

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

Reference Value = 29.172 V/m; Power Drift = -0.10 dB

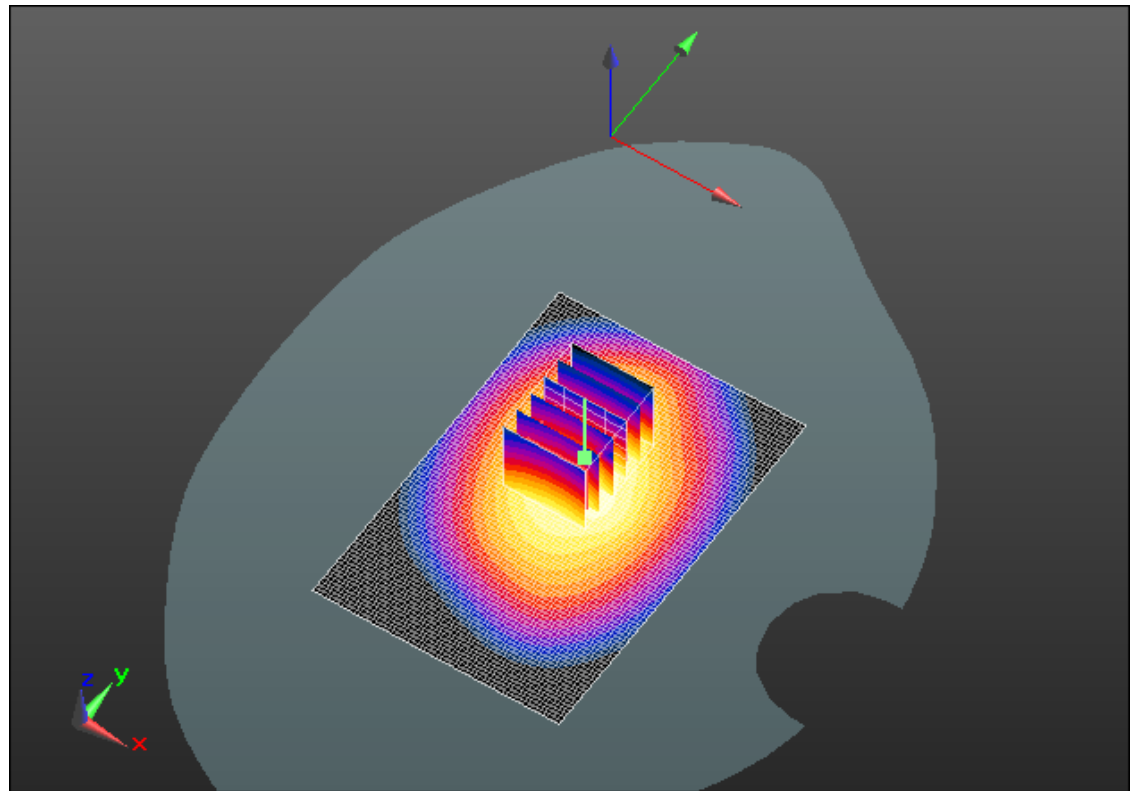
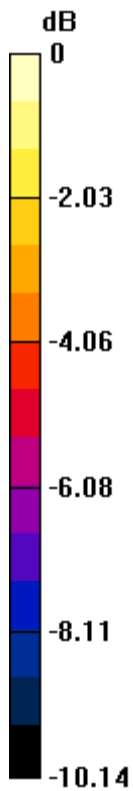
Peak SAR (extrapolated) = 1.0400

SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.571 mW/g

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

Maximum value of SAR (measured) = 0.883 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 13(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.880mW/g = -1.11 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report				Page 14(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/27/2012 10:53:48 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_high_chan_amb_temp_23.3C_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 850; Frequency: 848.8 MHz

Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.992 \text{ mho/m}$; $\epsilon_r = 54.216$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (interpolated) = 0.783 mW/g

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

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

Reference Value = 26.624 V/m ; Power Drift = 0.01 dB

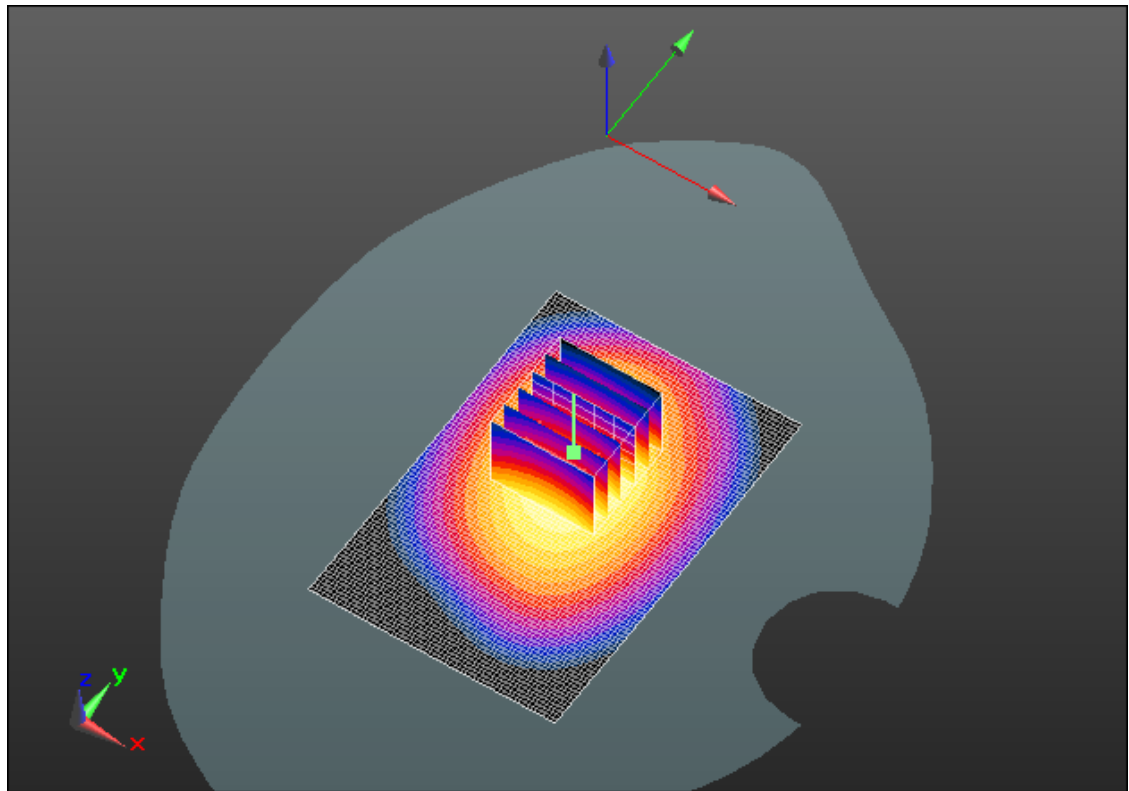
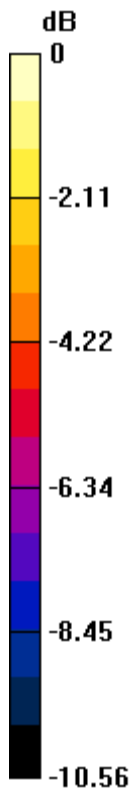
Peak SAR (extrapolated) = 0.9370

SAR(1 g) = 0.690 mW/g ; SAR(10 g) = 0.492 mW/g

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

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

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 15(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.780mW/g = -2.16 dB mW/g

	Document				Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report				16(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/8/2012 11:03:43 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_IV_mid_chan_amb_temp_23.2C_liq_
temp_20.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 54.057$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.972 mW/g

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

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

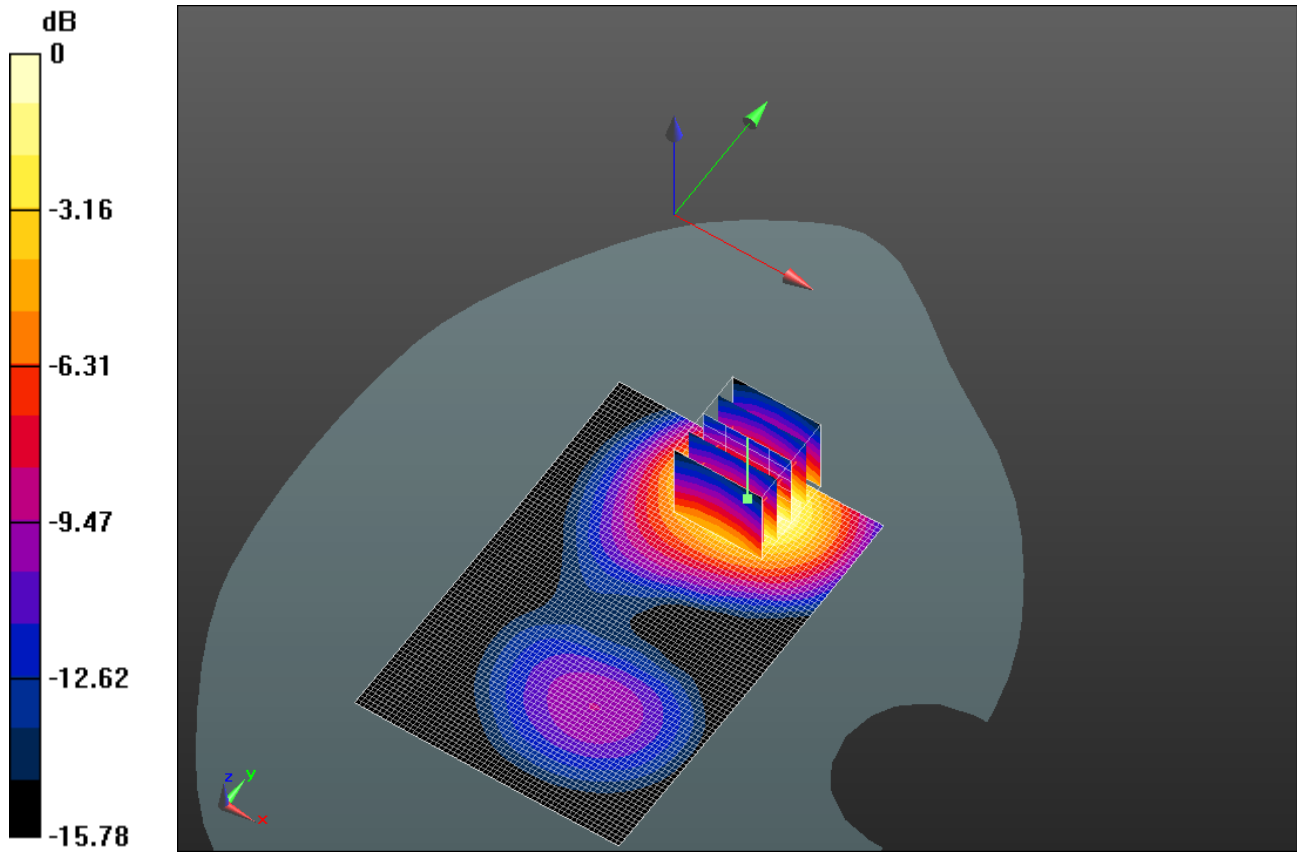
Reference Value = 4.784 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.2090

SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.430 mW/g

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

Maximum value of SAR (measured) = 0.926 mW/g



0 dB = 0.930mW/g = -0.63 dB mW/g

	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			18(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/8/2012 11:42:45 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_UMTS_Band_IV_mid_chan_amb_temp_23.1C_liq
_temp_21.3.C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 54.057$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.249 mW/g

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

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

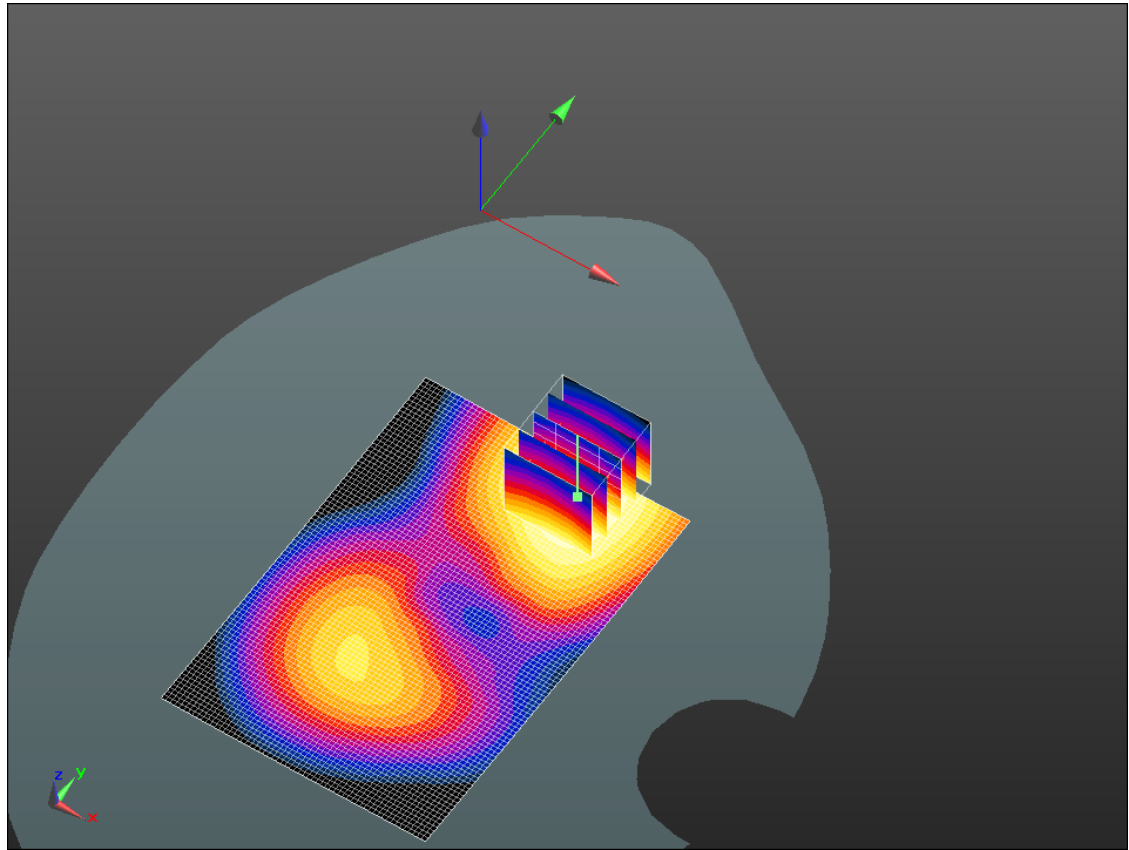
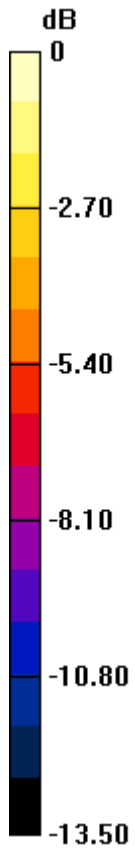
Reference Value = 5.460 V/m; Power Drift = -0.00052 dB

Peak SAR (extrapolated) = 0.3070

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.135 mW/g

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

Maximum value of SAR (measured) = 0.240 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			20(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/8/2012 12:06:45 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_IV_mid_chan_amb_temp_22.5C_liq _temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 54.057$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.618 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 = 6.555 V/m; Power Drift = -0.08 dB

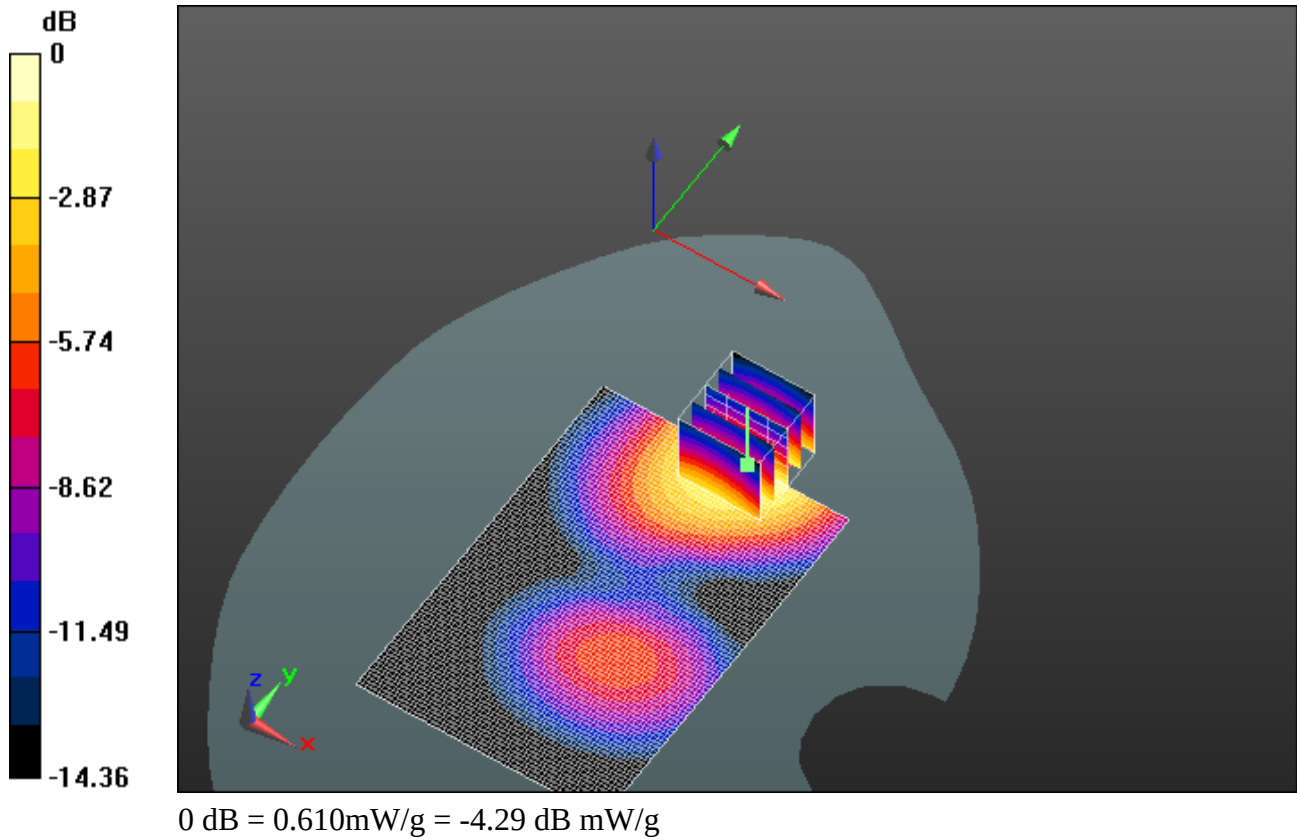
Peak SAR (extrapolated) = 0.7970

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.303 mW/g

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

Maximum value of SAR (measured) = 0.605 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 21(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			22(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/8/2012 11:22:17 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_UMTS_Band_IV_mid_chan_amb_temp_22.3C_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r = 54.057$; $\rho = 1000$ 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: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.918 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 = 5.644 V/m; Power Drift = -0.15 dB

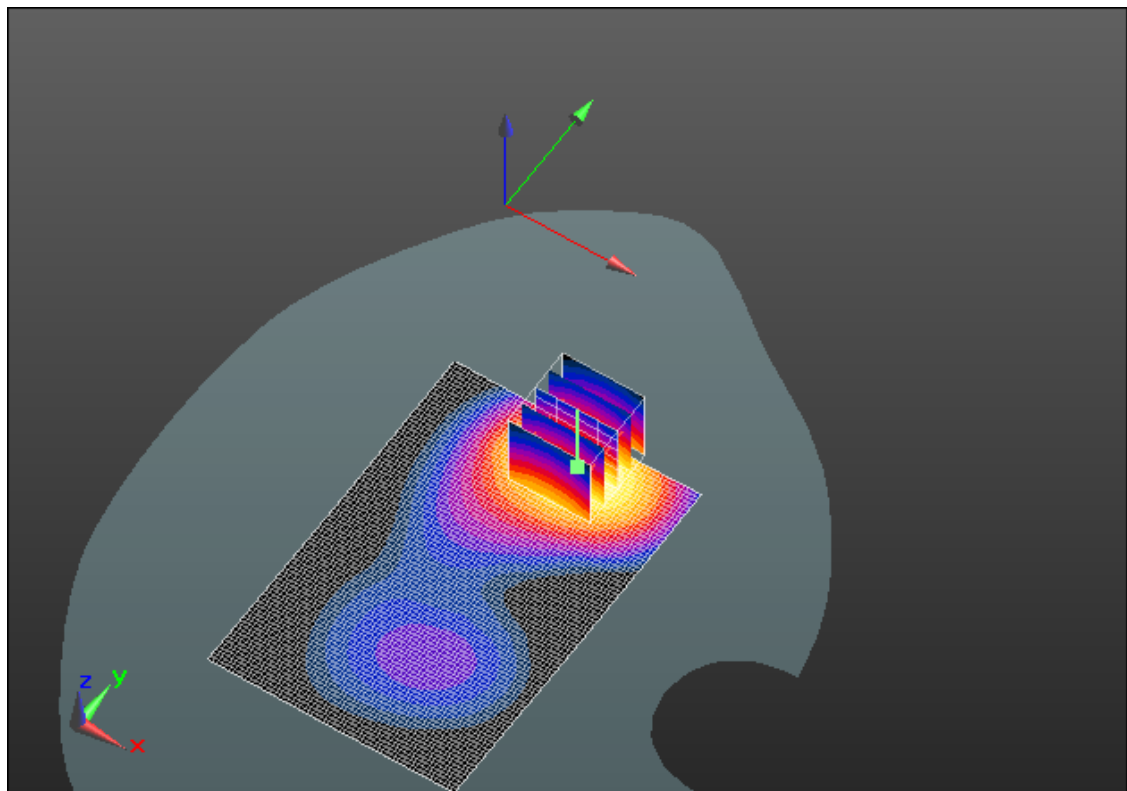
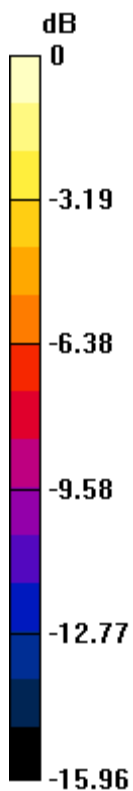
Peak SAR (extrapolated) = 1.2020

SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.412 mW/g

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

Maximum value of SAR (measured) = 0.889 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 23(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



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

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			24(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/24/2012 11:30:30 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_IV_low_chan_amb_temp_23.4C_liq_
temp_21.0C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.462$ mho/m; $\epsilon_r = 51.953$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 1.192 mW/g

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

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

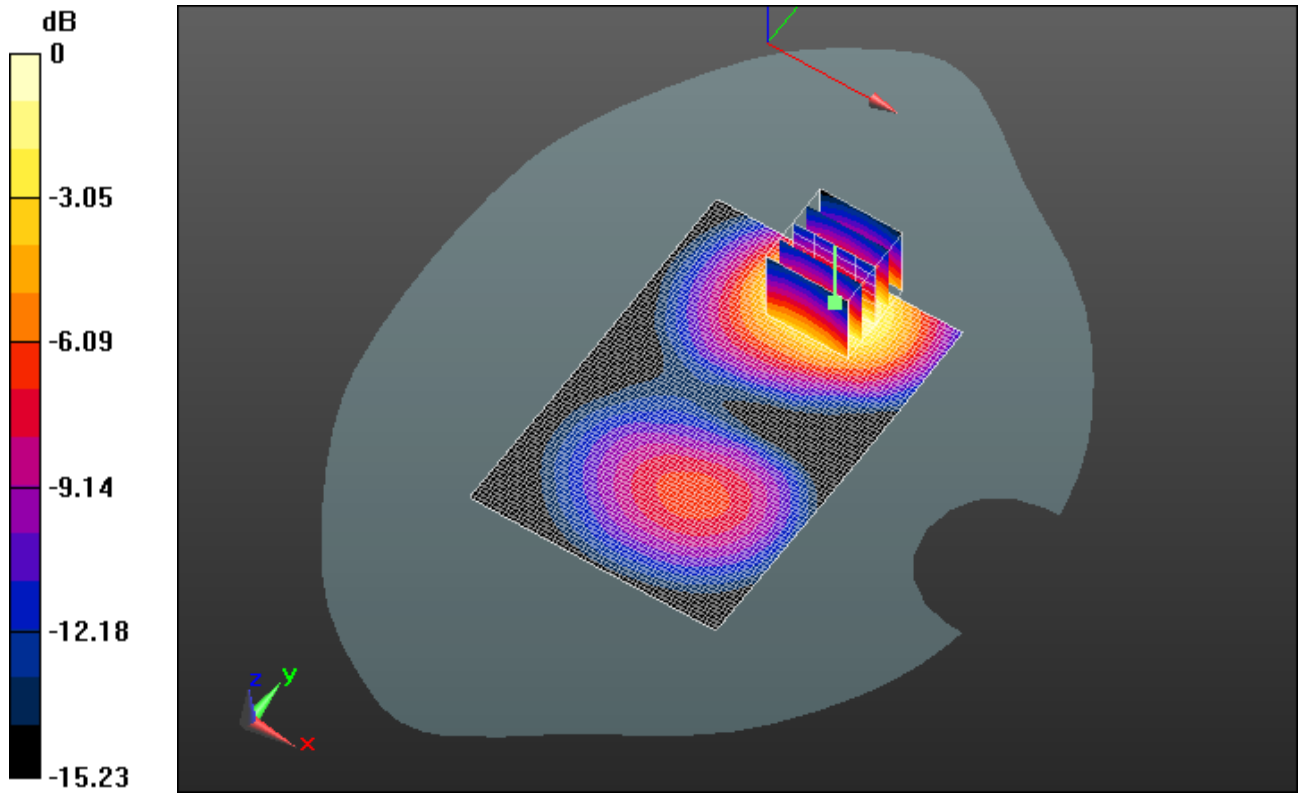
Reference Value = 5.854 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.5540

SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.559 mW/g

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

Maximum value of SAR (measured) = 1.175 mW/g



0 dB = 1.170mW/g = 1.36 dB mW/g

	Document				Page 26(66)
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report				
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/24/2012 11:14:40 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_IV_mid_chan_amb_temp_23.8C_liq_
temp_21.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.488$ mho/m; $\epsilon_r = 51.88$; $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.174 mW/g

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

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

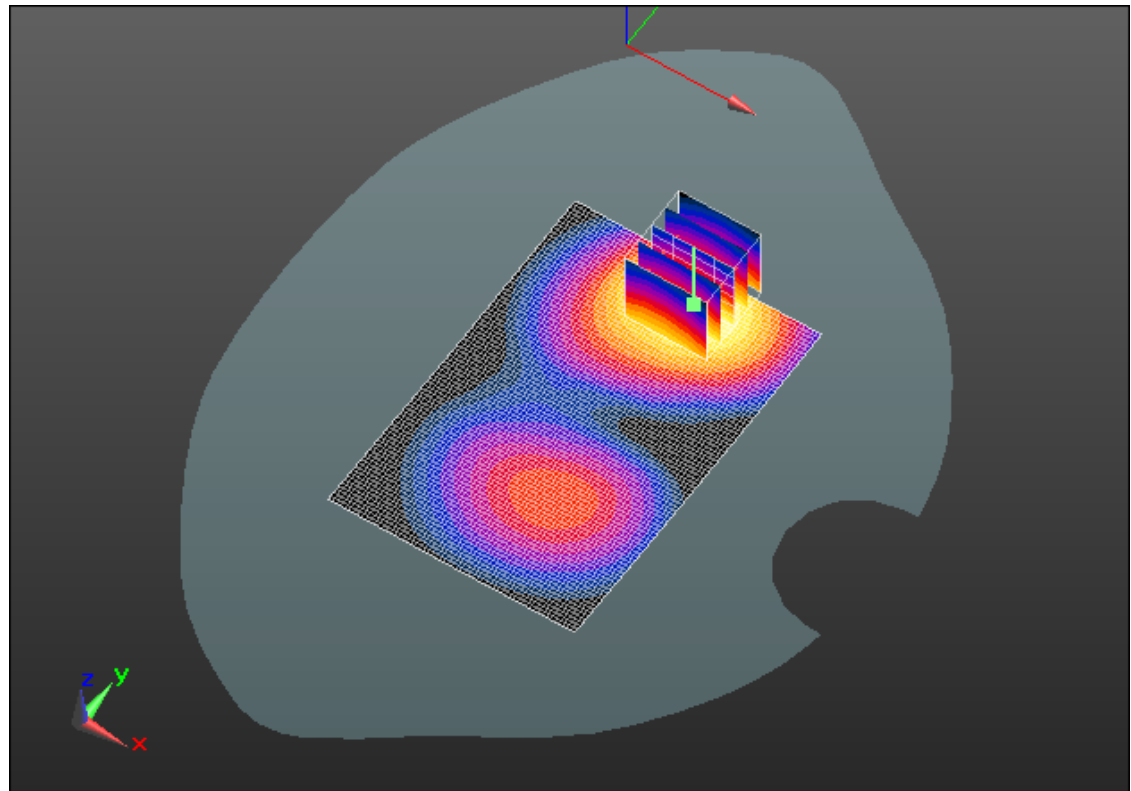
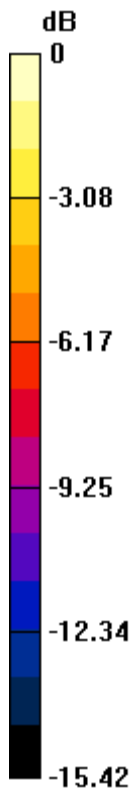
Reference Value = 6.308 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.5470

SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.556 mW/g

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

Maximum value of SAR (measured) = 1.160 mW/g



0 dB = 1.160mW/g = 1.29 dB mW/g

	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			28(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 4/24/2012 11:49:17 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_IV_high_chan_amb_temp_23.4C_liq
_temp_21.0C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.505$ mho/m; $\epsilon_r = 51.835$;
 $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 1.184 mW/g

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

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

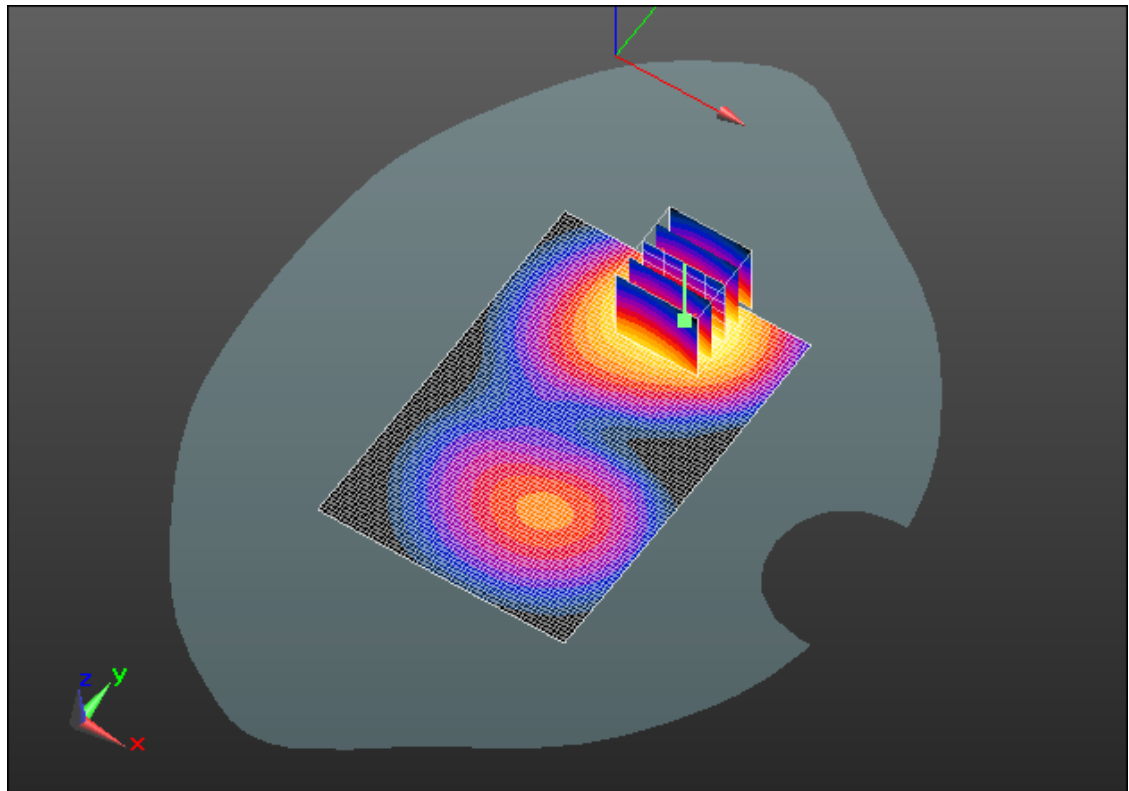
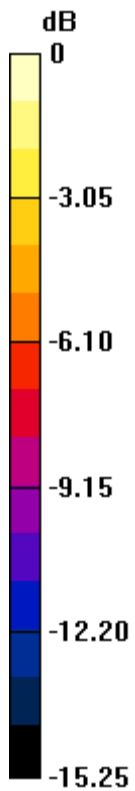
Reference Value = 6.850 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 1.5510

SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.560 mW/g

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

Maximum value of SAR (measured) = 1.150 mW/g



0 dB = 1.150mW/g = 1.21 dB mW/g

	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			30(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/28/2012 12:52:46 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.3C_liq_tem
p_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.533 \text{ mho/m}$; $\epsilon_r = 52.499$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.536 mW/g

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

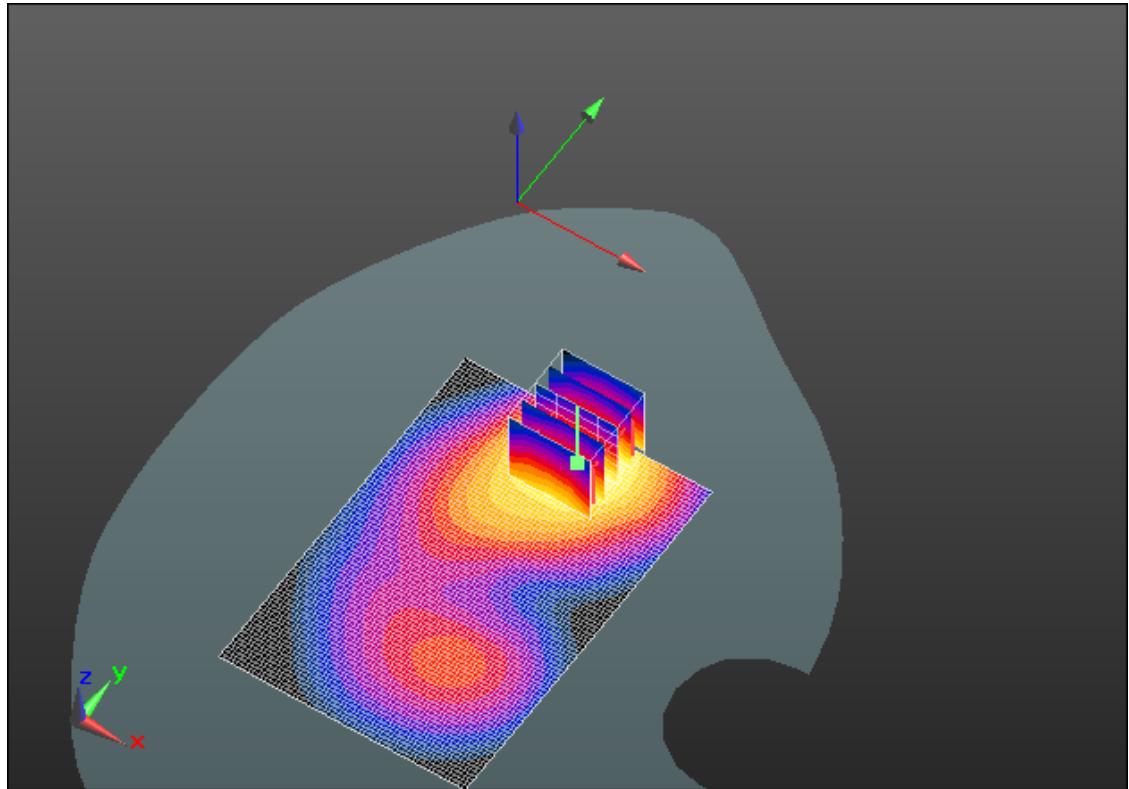
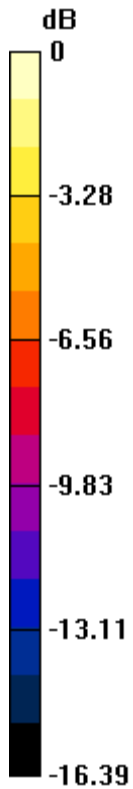
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.930 V/m; Power Drift = 0.34 dB

Peak SAR (extrapolated) = 0.7700

SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.552 mW/g



0 dB = 0.550mW/g = -5.19 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			32(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/28/2012 1:59:17 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_GPRS1900_mid_chan_amb_temp_23.3C_liq_tem
p_21.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.533 \text{ mho/m}$; $\epsilon_r = 52.499$; $\rho = 1000 \text{ kg/m}^3$

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:

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

Maximum value of SAR (interpolated) = 0.248 mW/g

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

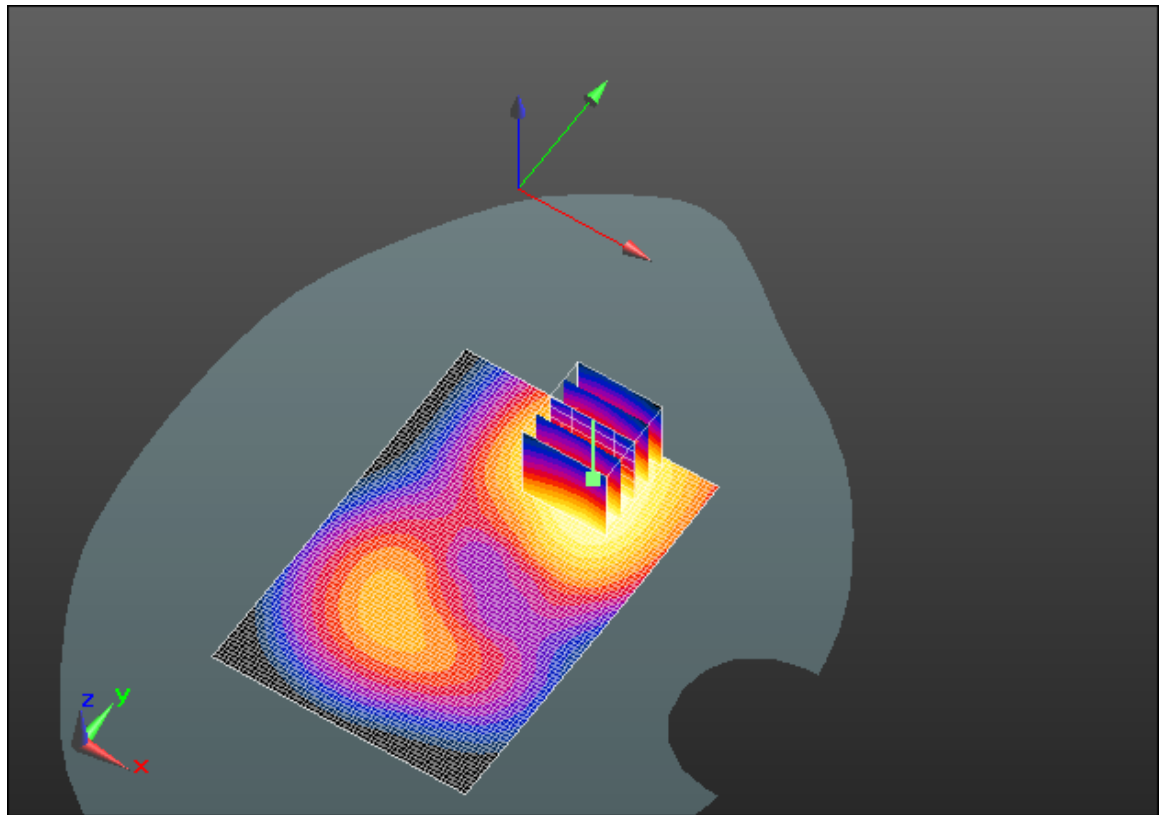
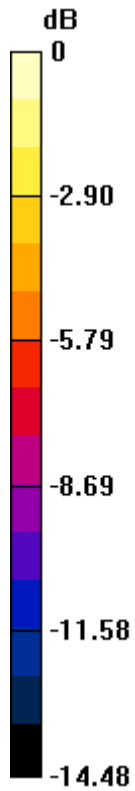
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.523 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.3160

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

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



0 dB = 0.240mW/g = -12.40 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			34(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/28/2012 2:16:27 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_23.0C_liq_tem p_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.533$ mho/m; $\epsilon_r = 52.499$; $\rho = 1000$ 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) = 0.293 mW/g

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

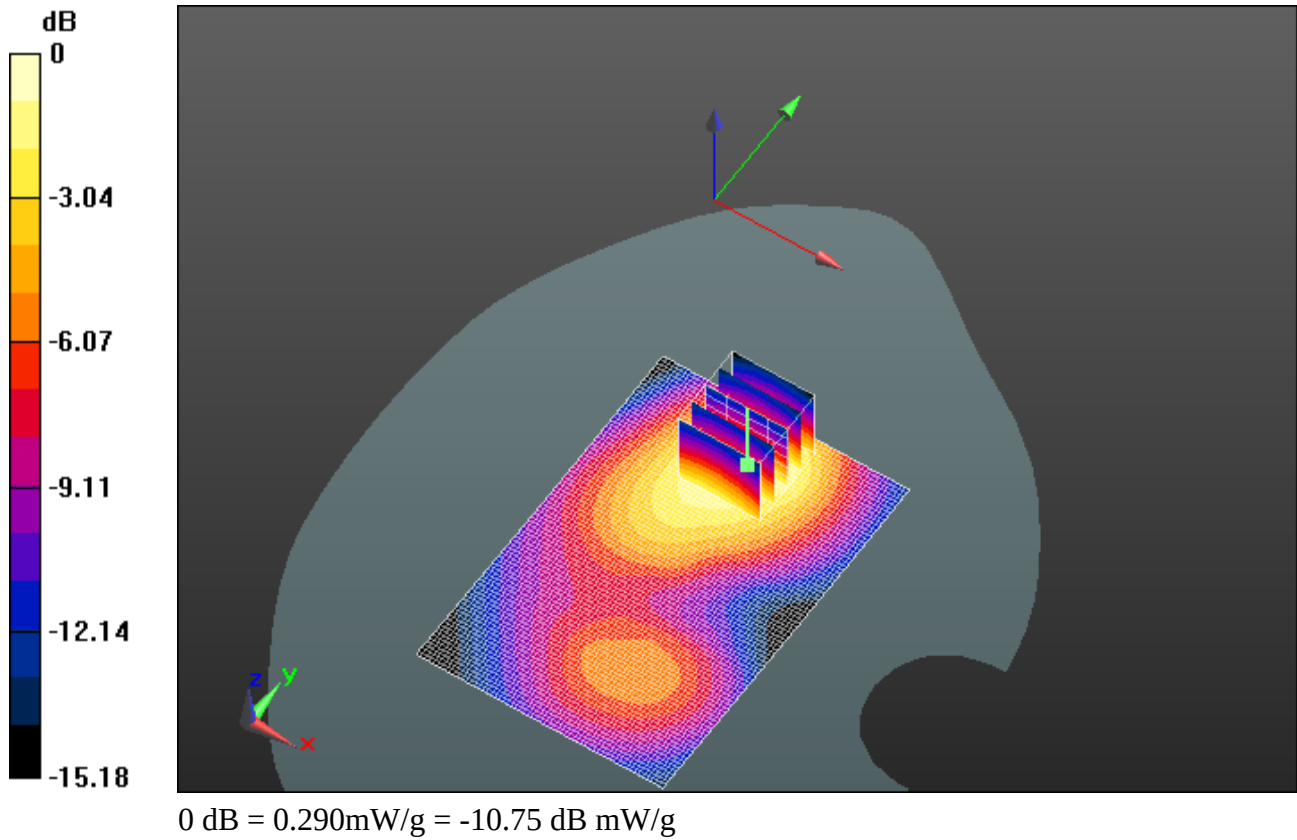
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.032 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.3830

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



	Document			Page
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			36(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 3/28/2012 1:39:11 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_23.2
C_liq_temp_21.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.533 \text{ mho/m}$; $\epsilon_r = 52.499$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.520 mW/g

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

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

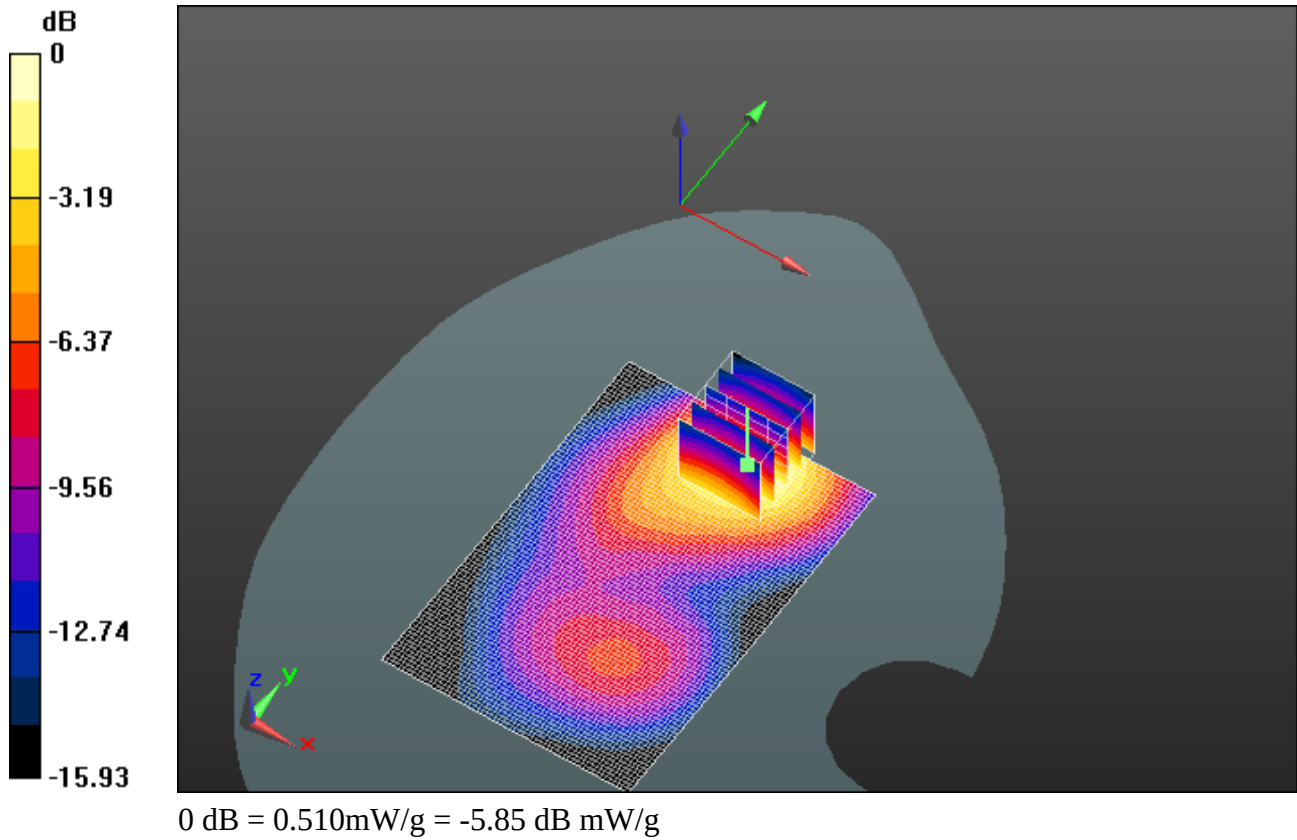
Reference Value = 6.189 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.6990

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 0.512 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 37(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			38(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/28/2012 12:26:35 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS1900_3slots_mid_chan_amb_temp_23.8C_li
q_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900 (3-slots); Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.533 \text{ mho/m}$; $\epsilon_r = 52.499$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

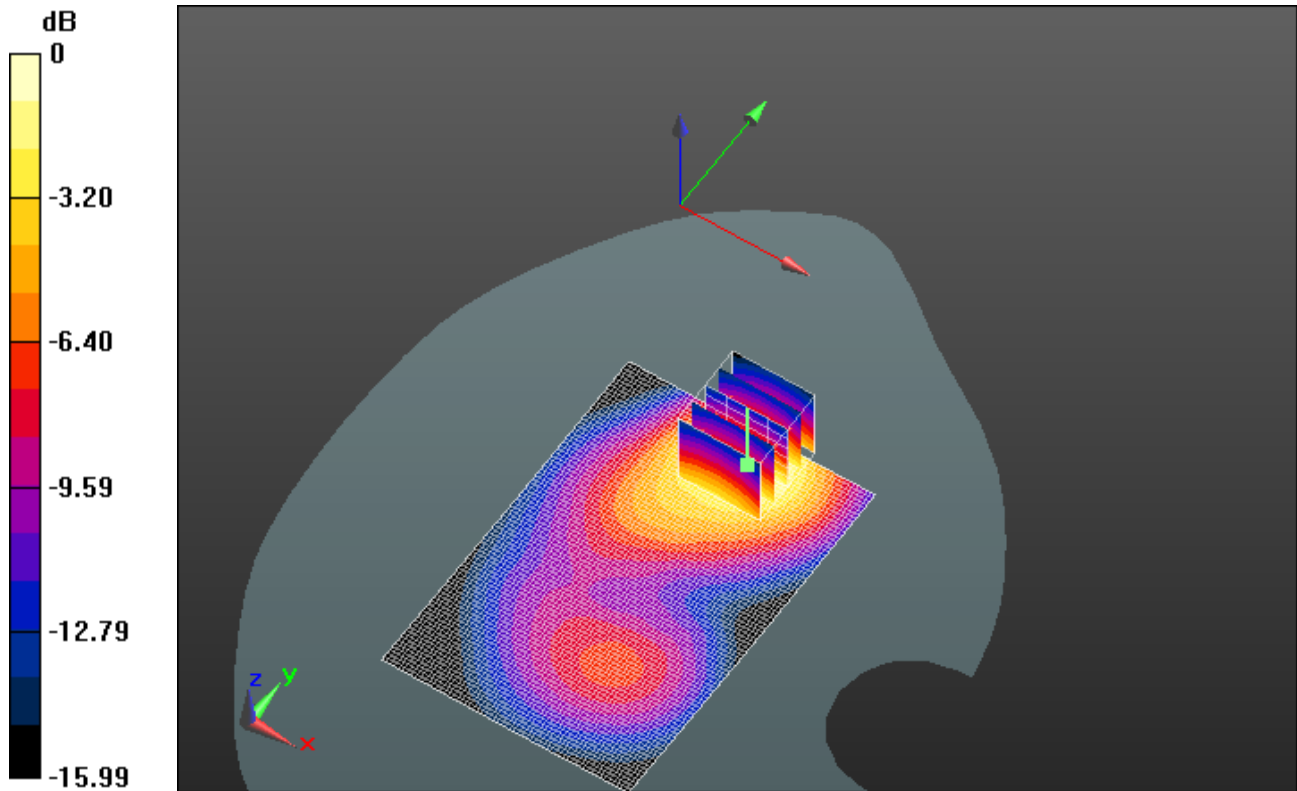
DASY Configuration:

- 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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.483 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 = 6.144 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.6590
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.229 mW/g
Maximum value of SAR (measured) = 0.484 mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			39(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	



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

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			40(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/28/2012 12:10:40 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS1900_4slots_mid_chan_amb_temp_23.3C_li
q_temp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: GPRS 1900 (4-slots); Frequency: 1880 MHz
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.533 \text{ mho/m}$; $\epsilon_r = 52.499$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

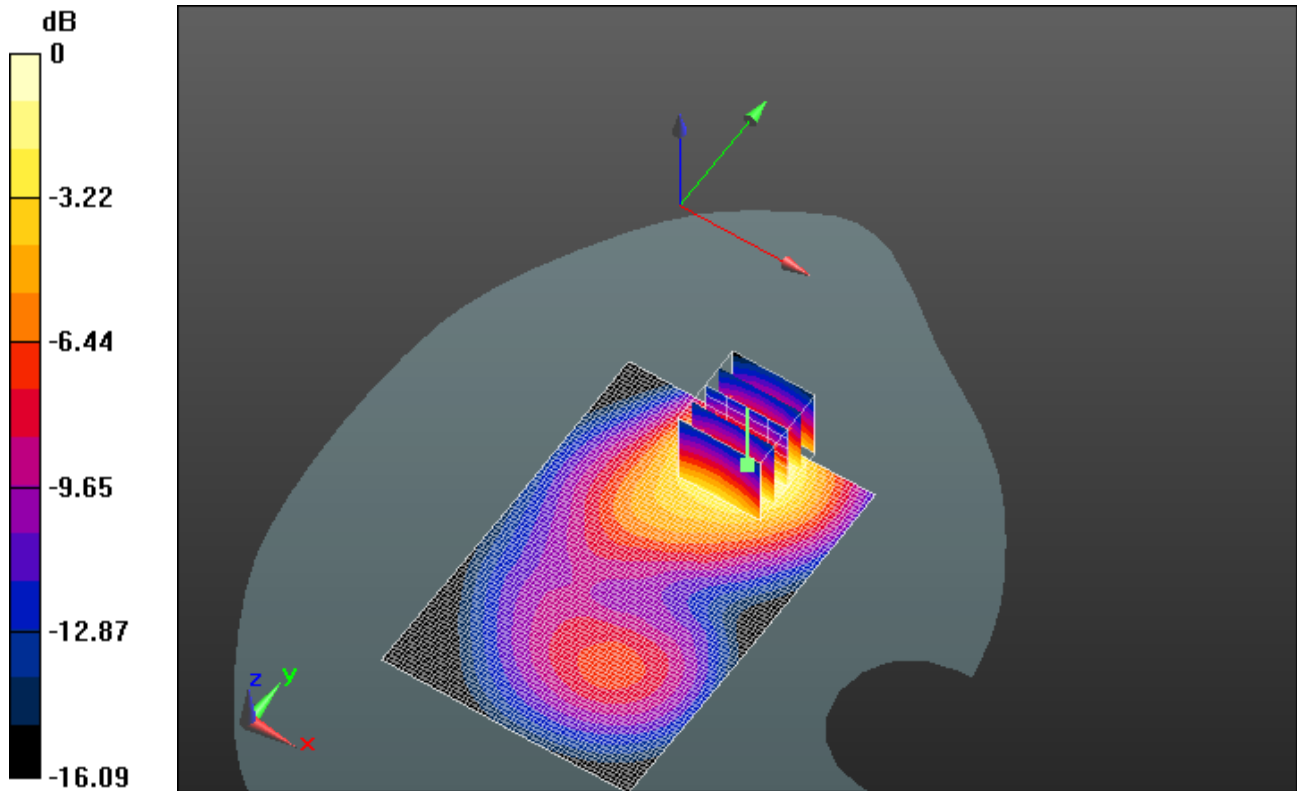
DASY Configuration:

- 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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.562 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 = 6.563 V/m; Power Drift = -0.0071 dB
Peak SAR (extrapolated) = 0.7480
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.261 mW/g
Maximum value of SAR (measured) = 0.552 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 41(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.550mW/g = -5.19 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 42(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW

Date/Time: 4/20/2012 4:12:36 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_22.6C_liq_tem
p_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.531 \text{ mho/m}$; $\epsilon_r = 51.891$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.506 mW/g

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

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

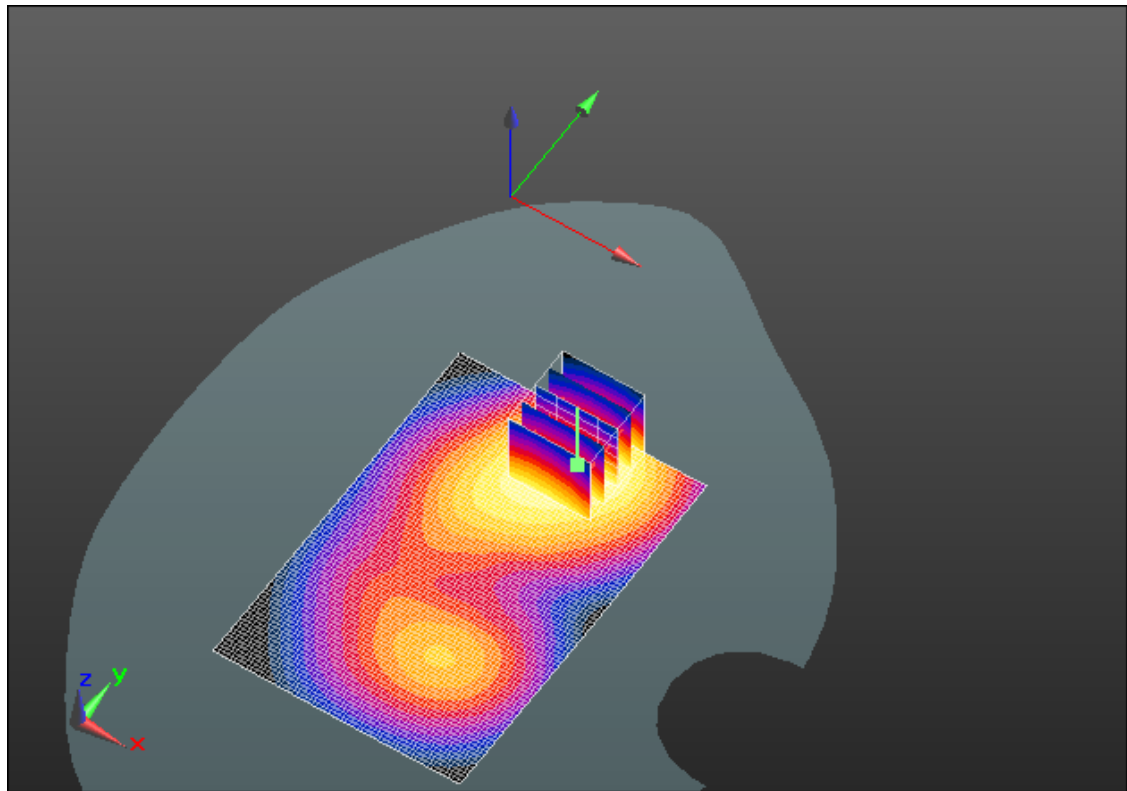
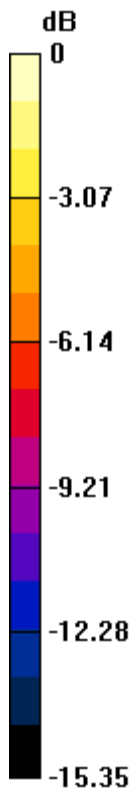
Reference Value = 8.212 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.6550

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.479 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 43(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



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

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			44(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/20/2012 4:39:07 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_23.1
C_liq_temp_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.531 \text{ mho/m}$; $\epsilon_r = 51.891$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.576 mW/g

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

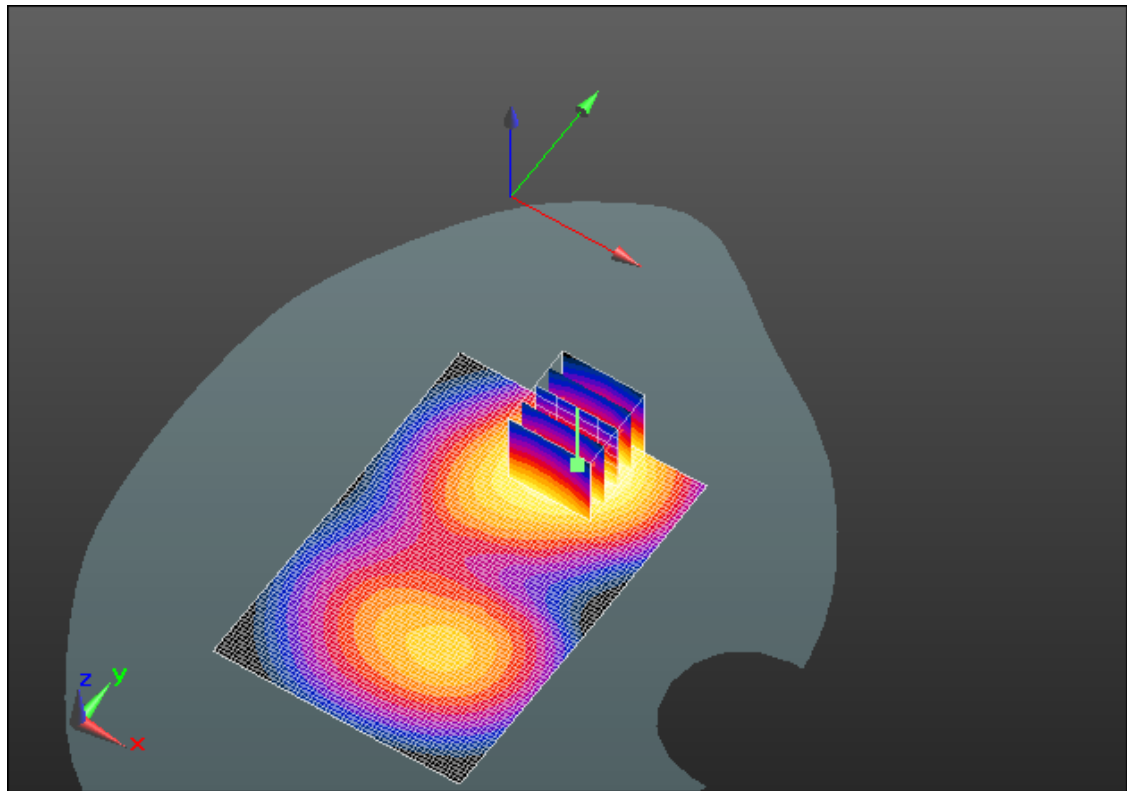
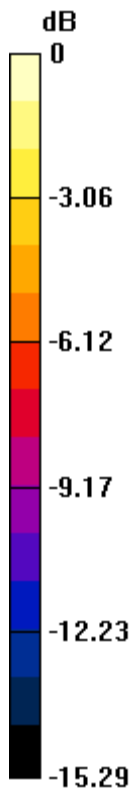
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.515 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.7280

SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.535 mW/g



0 dB = 0.530mW/g = -5.51 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			46(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/27/2012 10:14:45 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.2C_liq_t
emp_22.3C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.537 \text{ mho/m}$; $\epsilon_r = 52.726$; $\rho = 1000 \text{ kg/m}^3$

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:

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

Maximum value of SAR (interpolated) = 0.942 mW/g

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

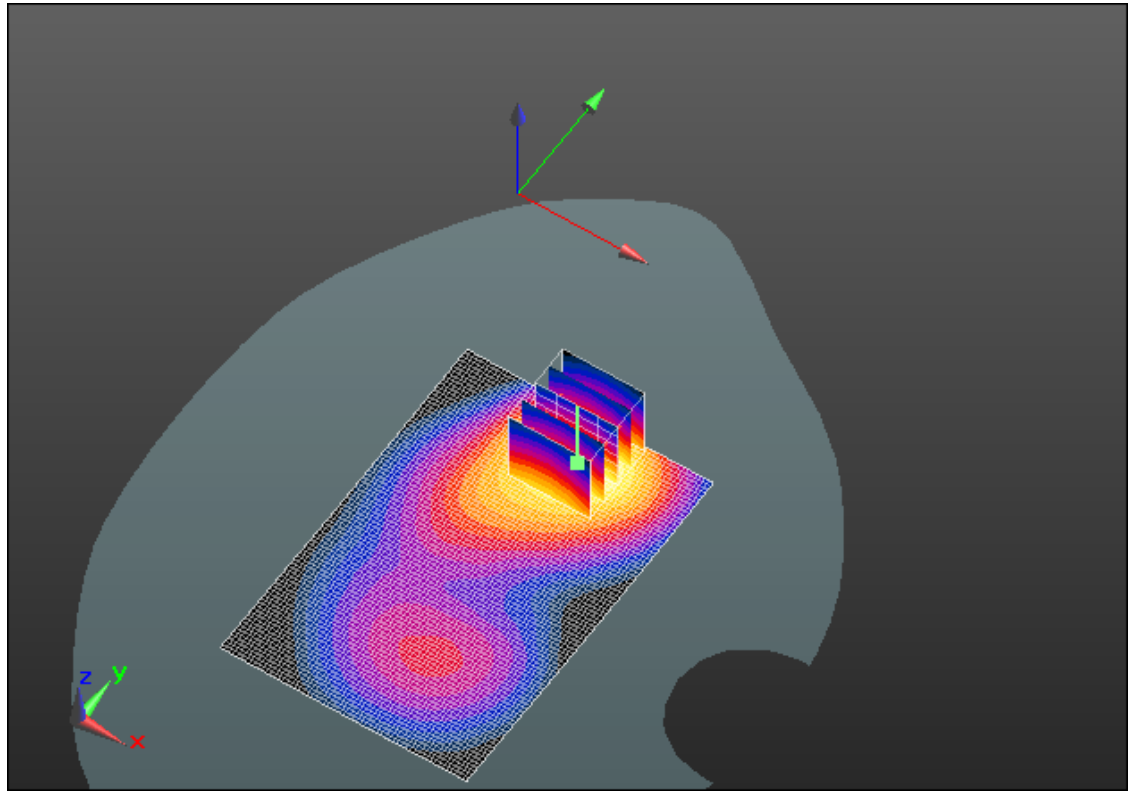
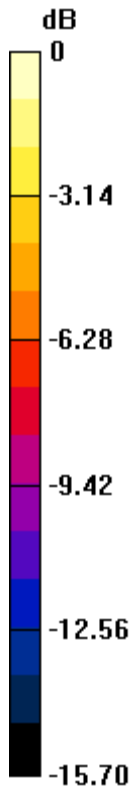
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.761 V/m; Power Drift = -0.32 dB

Peak SAR (extrapolated) = 1.2470

SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.430 mW/g

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



0 dB = 0.920mW/g = -0.72 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			48(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/27/2012 11:07:26 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_UMTS_Band_II_mid_chan_amb_temp_23.8C_liq_t
emp_22.3.C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.537 \text{ mho/m}$; $\epsilon_r = 52.726$; $\rho = 1000 \text{ kg/m}^3$

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:

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

Maximum value of SAR (interpolated) = 0.298 mW/g

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

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

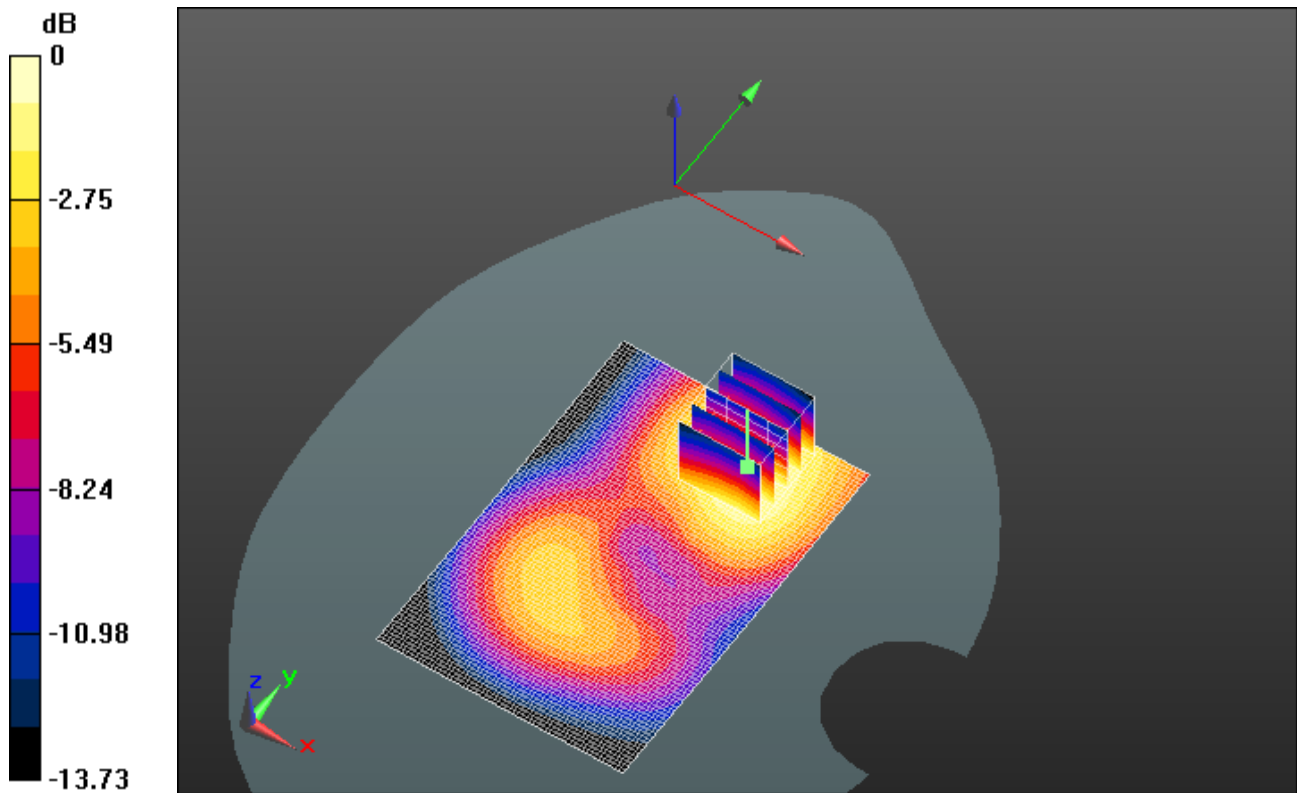
Reference Value = 6.221 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.3930

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.306 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 49(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.310mW/g = -10.17 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			50(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/27/2012 11:28:11 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_Band_II_mid_chan_amb_temp_23.9C_liq _temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.537 \text{ mho/m}$; $\epsilon_r = 52.726$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.343 mW/g

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

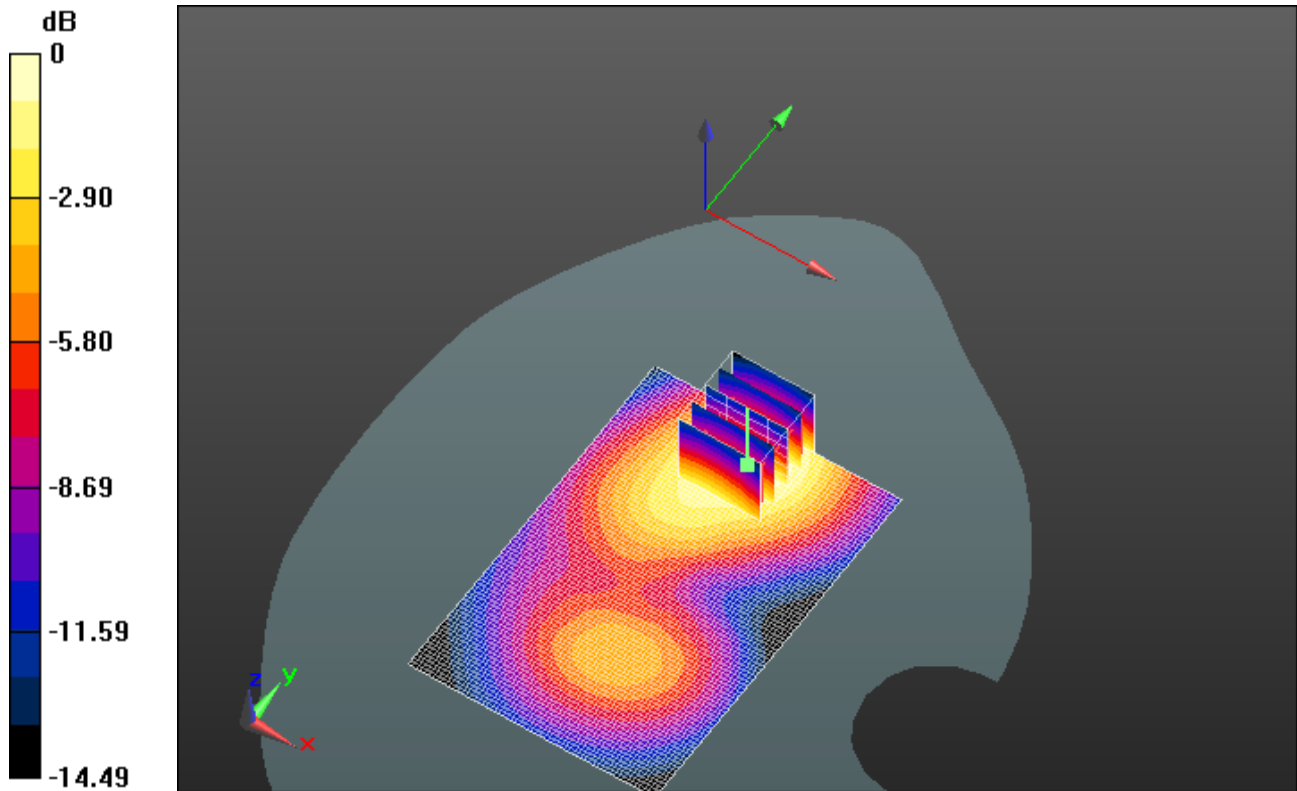
Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.859 V/m ; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.4620

SAR(1 g) = 0.292 mW/g ; SAR(10 g) = 0.178 mW/g

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



0 dB = 0.340mW/g = -9.37 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			52(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 3/27/2012 10:39:24 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_UMTS_Band_II_mid_chan_amb_temp_2 4.1C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29760348

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r = 52.726$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.956 mW/g

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

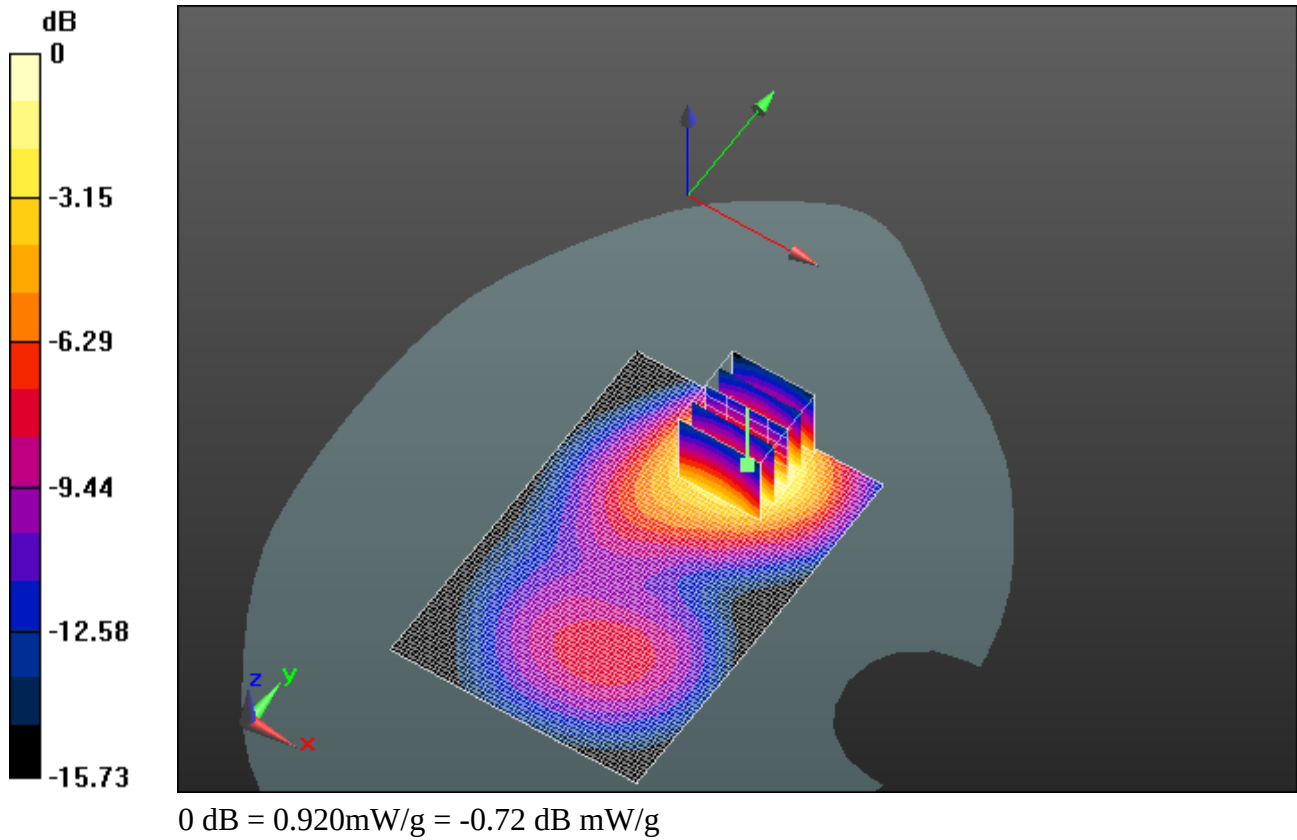
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.006 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.2430

SAR(1 g) = 0.761 mW/g; SAR(10 g) = 0.440 mW/g

Maximum value of SAR (measured) = 0.920 mW/g



	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			54(66)	
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID	
Andrew Becker	March 07 – May 17 , 2012	RTS-5995-1204-10	L6AREU70UW	2503A-REU70UW	

Date/Time: 4/20/2012 1:01:09 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_UMTS_Band_II_mid_chan_amb_temp_23.1C_liq_t
emp_21.4C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.531 \text{ mho/m}$; $\epsilon_r = 51.891$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

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

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

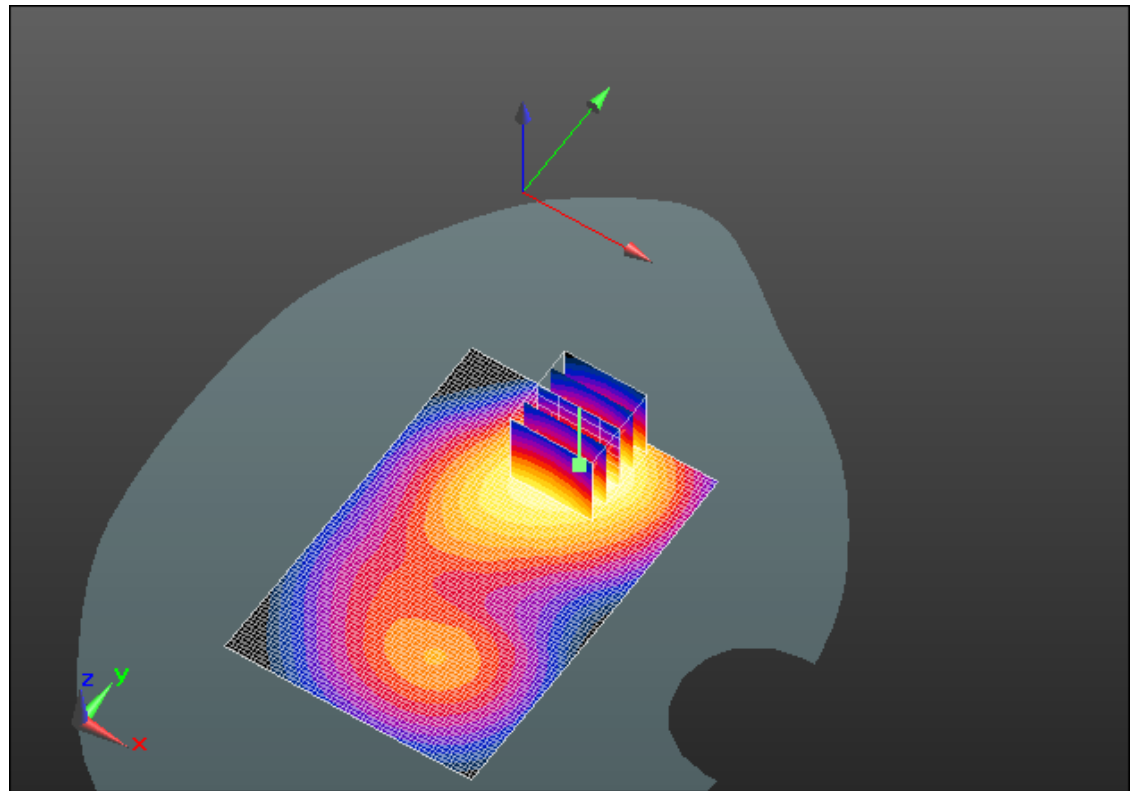
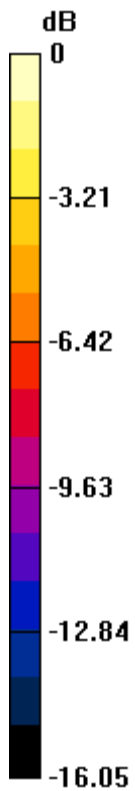
Reference Value = 11.654 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.2060

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 0.882 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 55(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.880mW/g = -1.11 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			56(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 4/20/2012 11:29:48 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_UMTS_Band_II_mid_chan_amb_temp_2
2.8C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29D05112

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.531 \text{ mho/m}$; $\epsilon_r = 51.891$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.959 mW/g

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

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

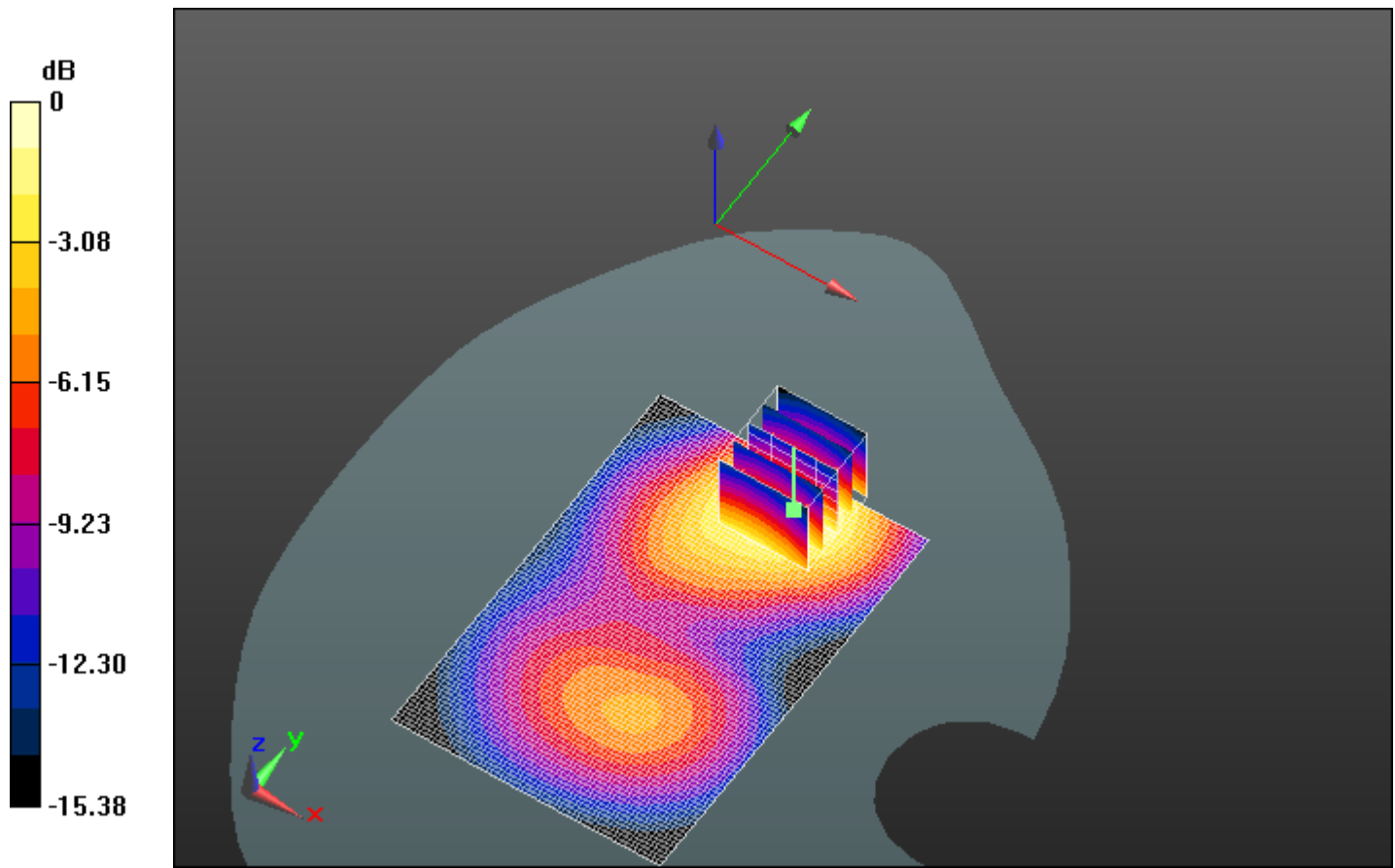
Reference Value = 9.308 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.2700

SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.465 mW/g

Maximum value of SAR (measured) = 0.944 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 57(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



0 dB = 0.940mW/g = -0.54 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			58(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 5/17/2012 3:43:10 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11b_high_chan_amb_temp_22.9_liq_temp_21
.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.119 mW/g

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

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

Reference Value = 7.306 V/m; Power Drift = 0.25 dB

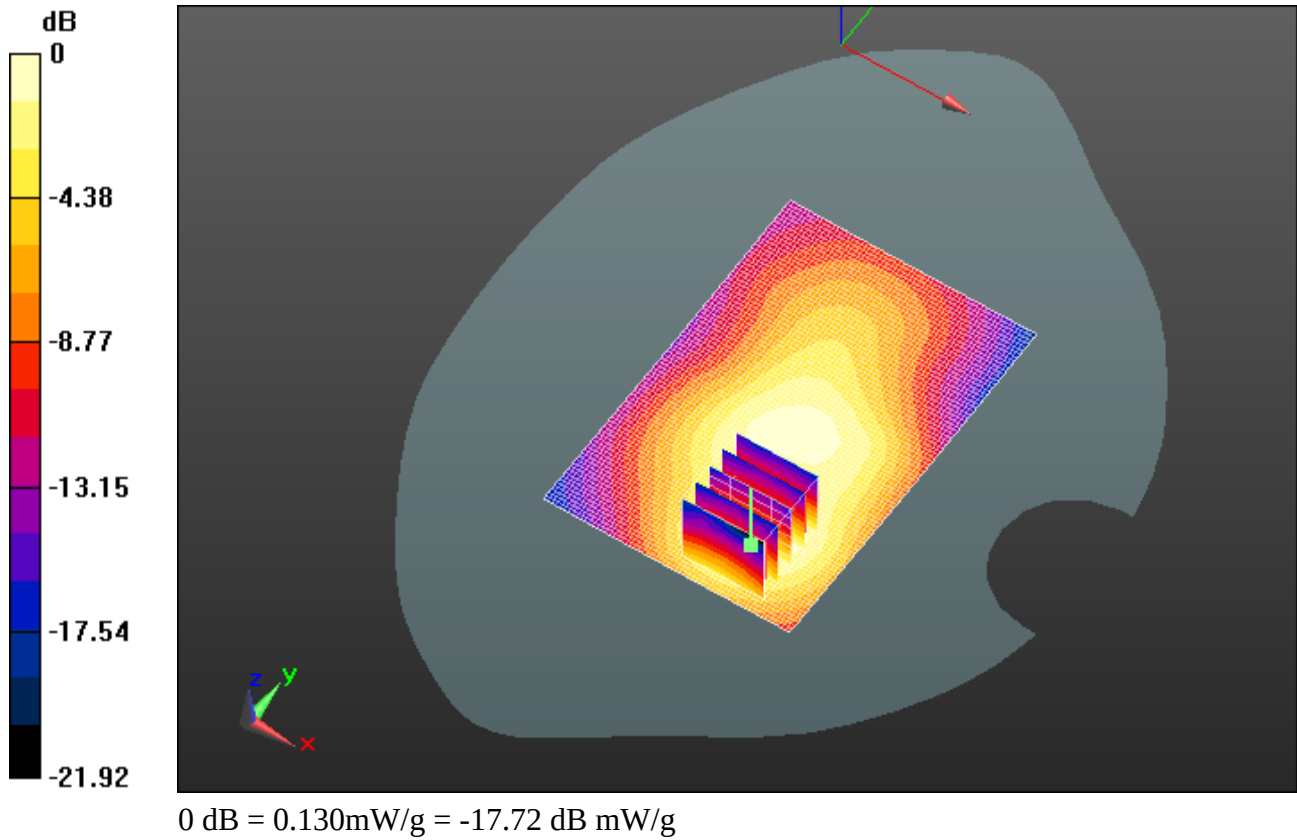
Peak SAR (extrapolated) = 0.1970

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.056 mW/g

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

Maximum value of SAR (measured) = 0.126 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 59(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			60(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 5/17/2012 1:03:26 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_802.11b_high_chan_amb_temp_22.8_liq_temp_21
.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.735$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.039 mW/g

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

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

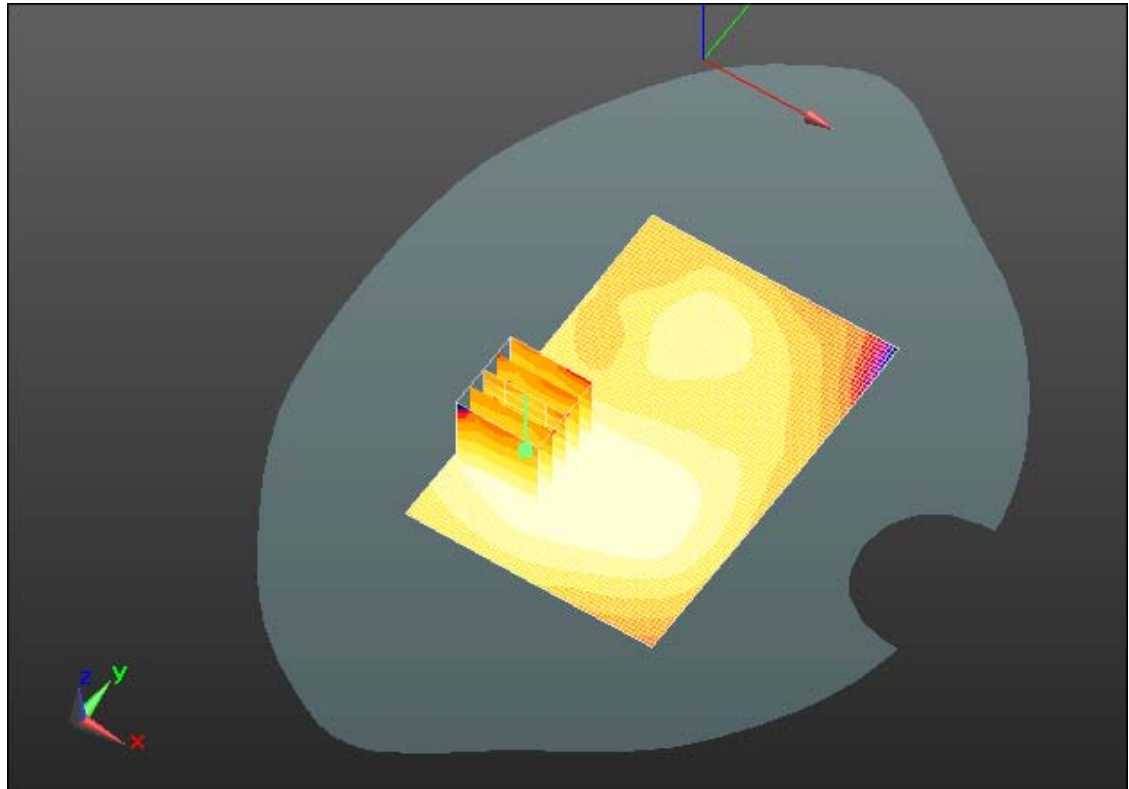
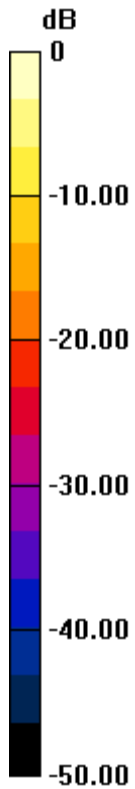
Reference Value = 2.530 V/m; Power Drift = 0.74 dB

Peak SAR (extrapolated) = 0.0620

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.018 mW/g

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

Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g = -27.96 dB mW/g

	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			62(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 5/17/2012 1:49:12 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_high_chan_amb_temp_22.7_liq_temp_2 1.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.735$; $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.043 mW/g

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

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

Reference Value = 4.196 V/m; Power Drift = 1.01 dB

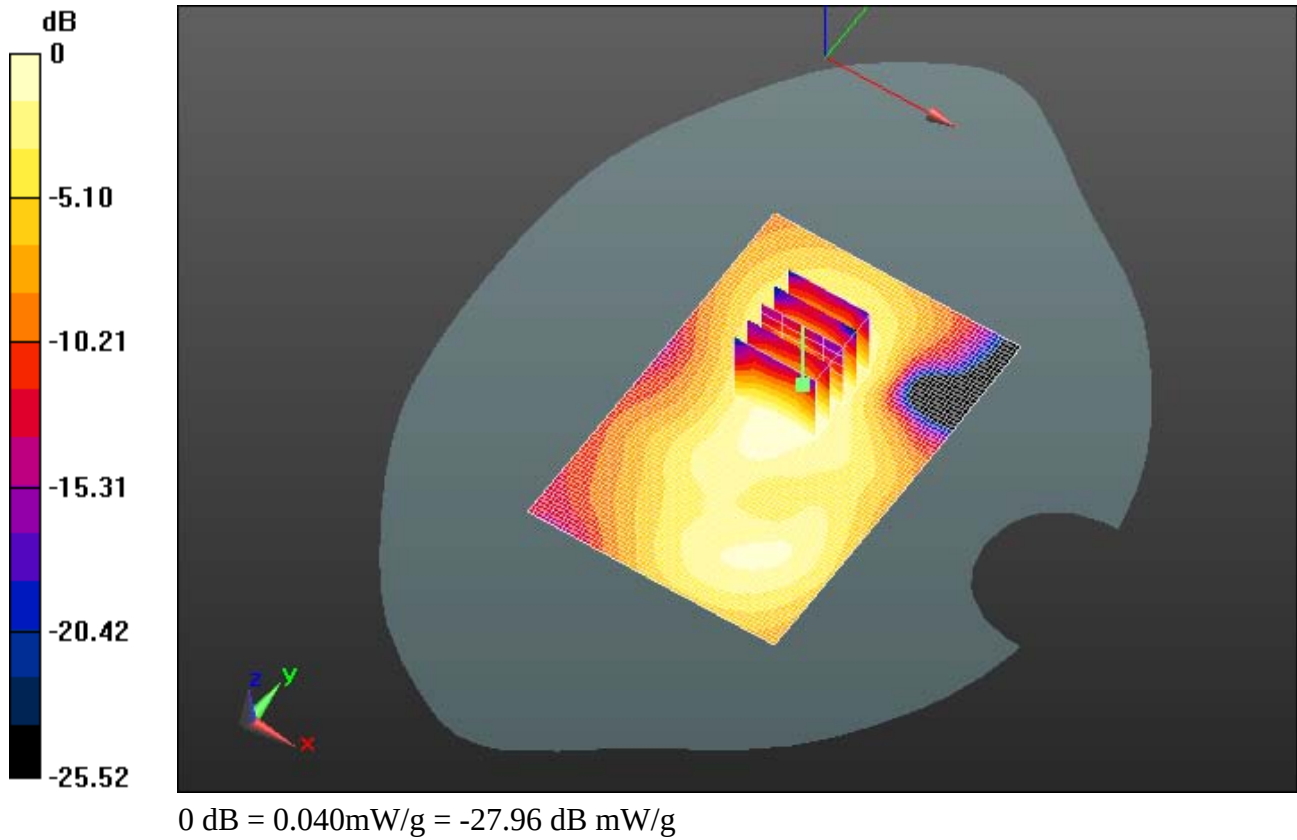
Peak SAR (extrapolated) = 0.0640

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.020 mW/g

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

Maximum value of SAR (measured) = 0.043 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 63(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



	Document			Page	
	Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			64(66)	
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW	

Date/Time: 5/17/2012 12:24:48 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_22.9_liq
_temp_21.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 29FAD8E6

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.037$ mho/m; $\epsilon_r = 53.735$; $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.141 mW/g

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

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

Reference Value = 7.366 V/m; Power Drift = 0.07 dB

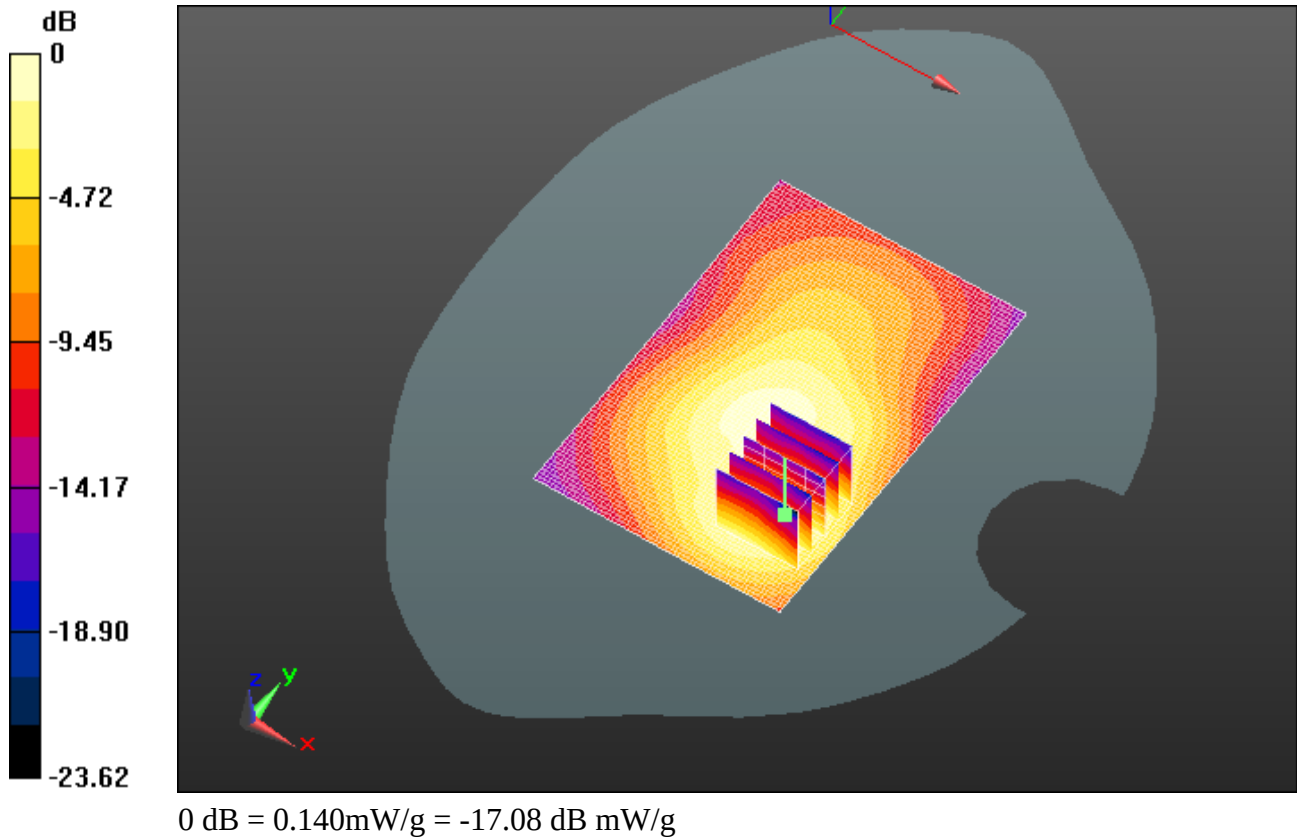
Peak SAR (extrapolated) = 0.2080

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.062 mW/g

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

Maximum value of SAR (measured) = 0.137 mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model REU71UW SAR Report			Page 65(66)
Author Data Andrew Becker	Dates of Test March 07 – May 17 , 2012	Test Report No RTS-5995-1204-10	FCC ID: L6AREU70UW	IC ID 2503A-REU70UW



Z axis plot for the worst case body configuration

