

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 1(56)
Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1	FCC ID: L6ARBW70CW

APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 2(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 11:37:45 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back GPRS850 4slots mid chan amb temp 23.2C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1
Medium parameters used (interpolated): $f = 836.8$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.400 mW/g

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

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

Reference Value = 21.4 V/m; Power Drift = -0.058 dB

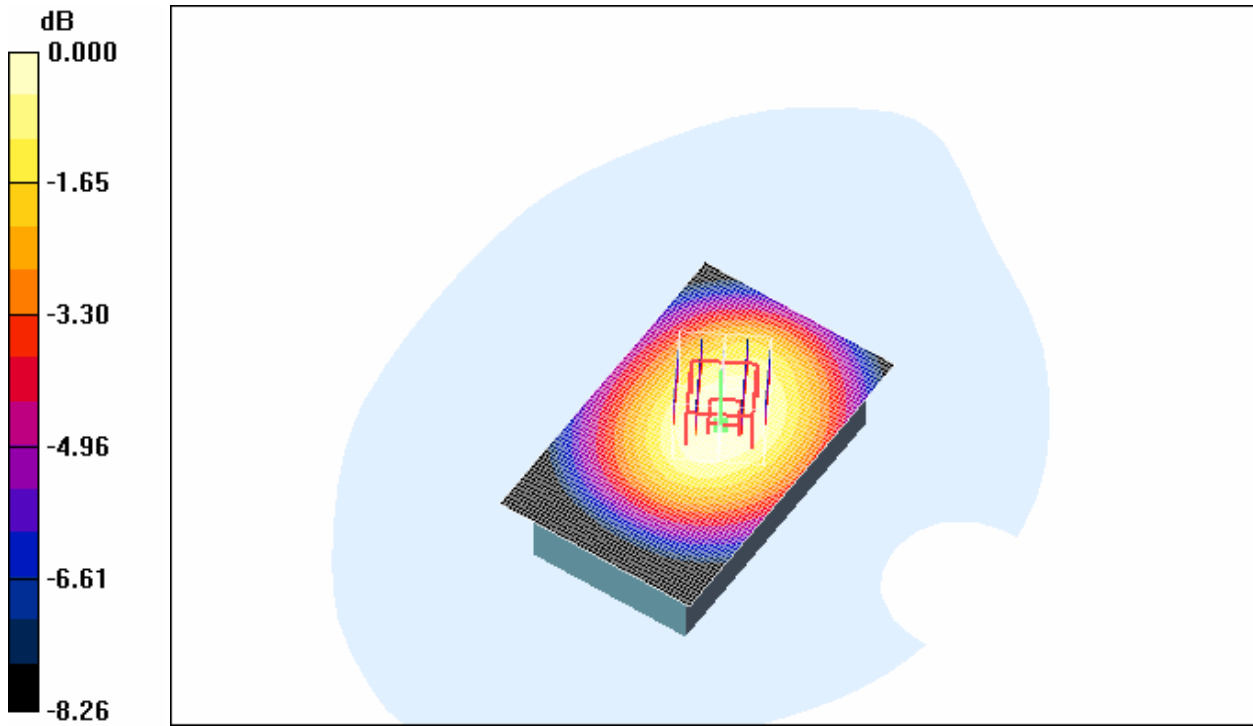
Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.278 mW/g

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

Maximum value of SAR (measured) = 0.397 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 3(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.397mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 4(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 12:17:08 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS850 4slots mid chan amb temp 23.9C liq temp 22.4 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1
 Medium parameters used (interpolated): $f = 836.8$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
 density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.352 mW/g

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

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

Reference Value = 19.0 V/m; Power Drift = -0.247 dB

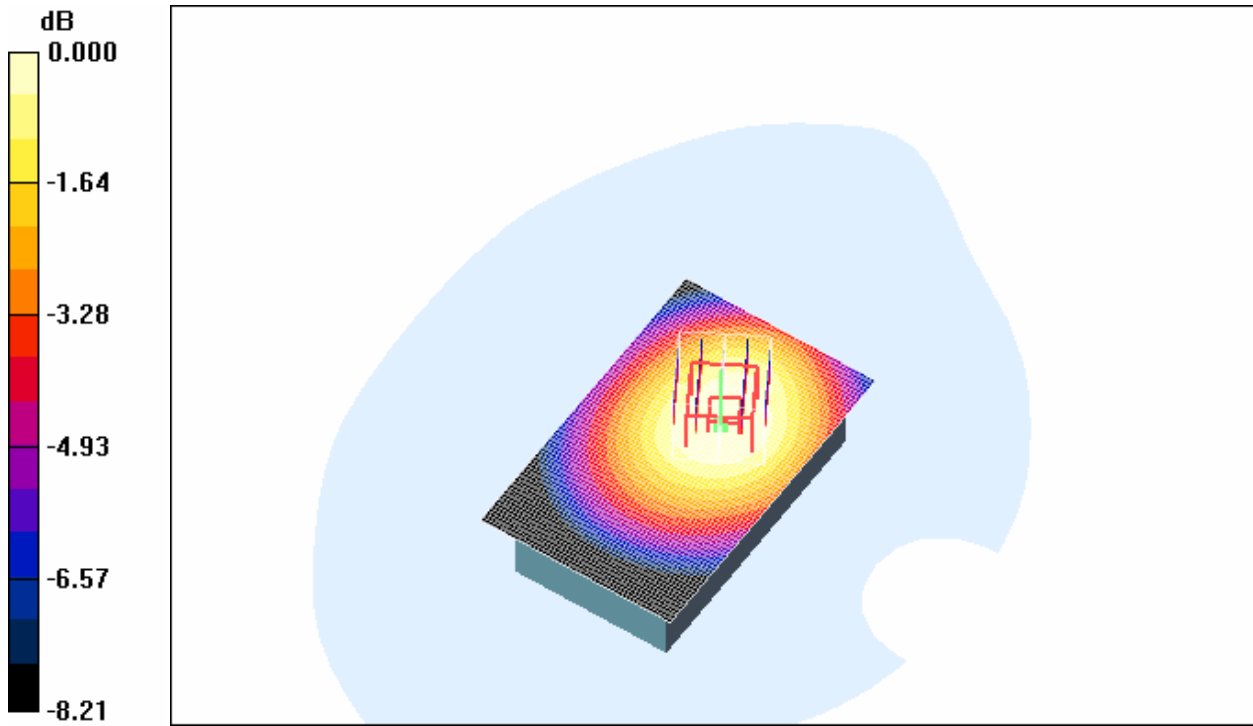
Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.245 mW/g

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

Maximum value of SAR (measured) = 0.342 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 5(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.342mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 6(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time : 08/08/2008 1:02:48 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front GPRS850 mid chan amb temp 23.2C liq temp 22.4C .da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1
 Medium parameters used (interpolated): $f = 836.8$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
 density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.314 mW/g

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

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

Reference Value = 19.3 V/m; Power Drift = -0.238 dB

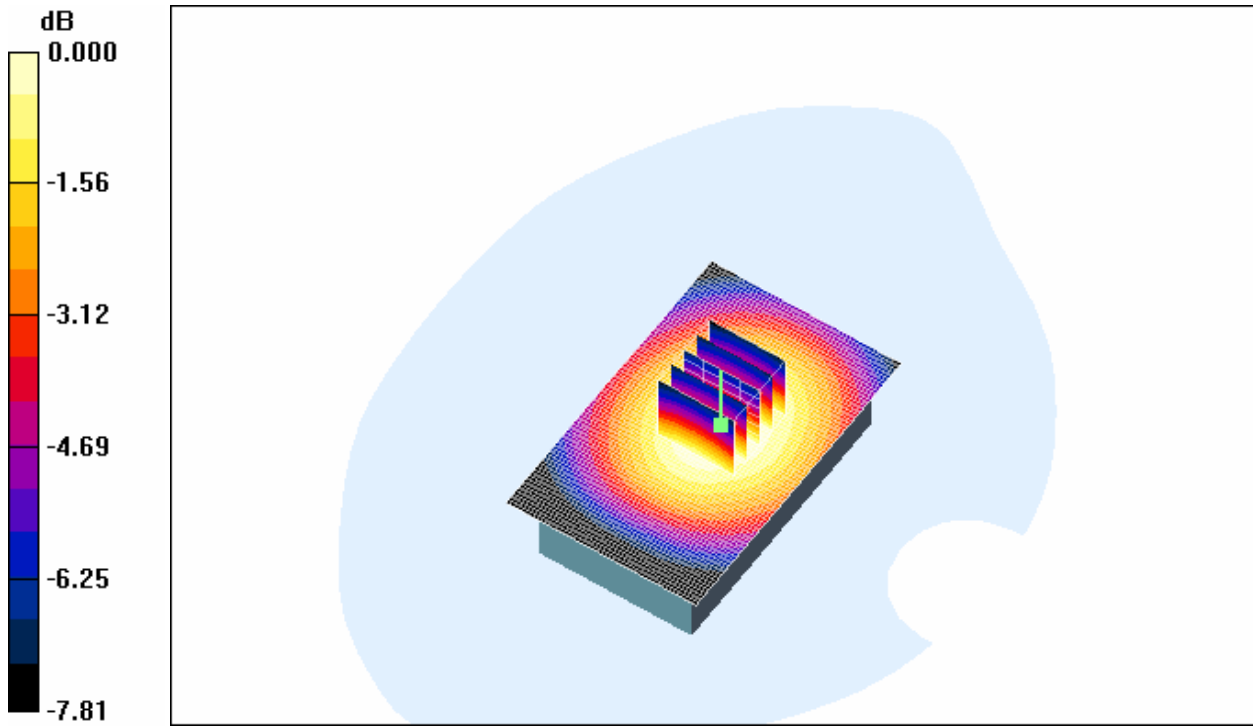
Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.223 mW/g

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

Maximum value of SAR (measured) = 0.309 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 7(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.309mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 8(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 12:43:16 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back EDGE850 mid chan amb temp 23.7C liq te mp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1
 Medium parameters used (interpolated): $f = 836.8$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
 density = 1000 kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Reference Value = 19.4 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.229 mW/g

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

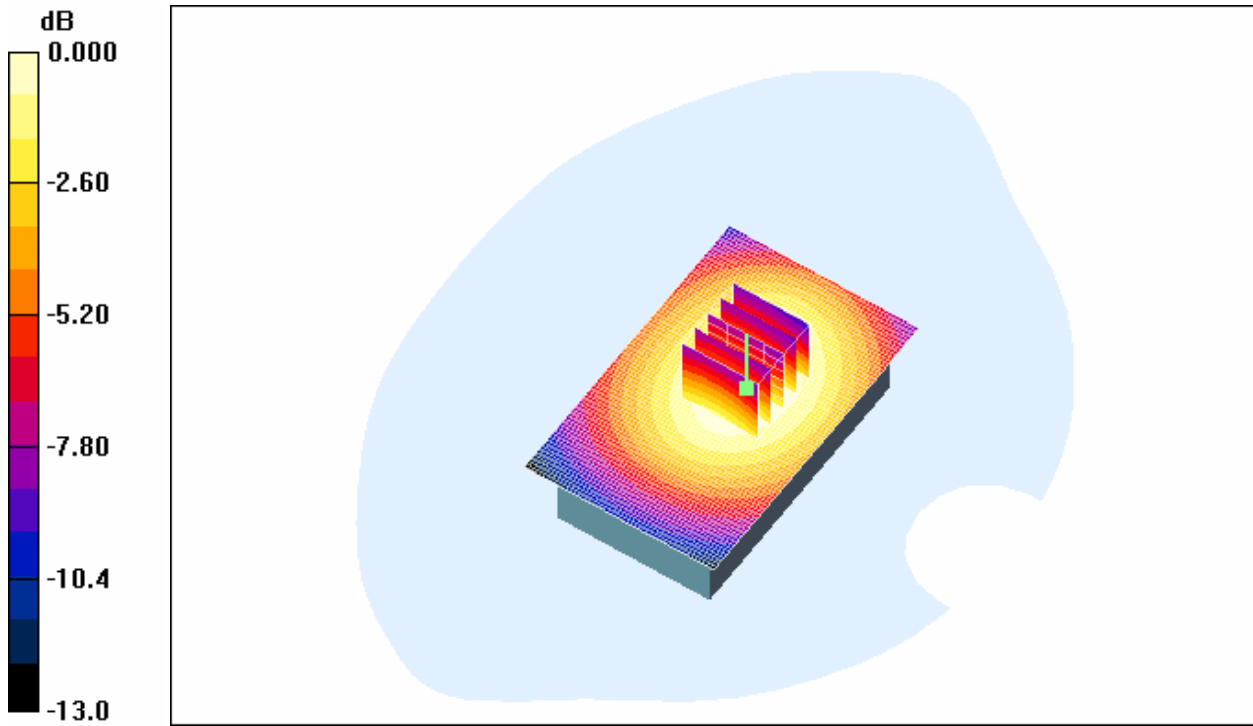
Maximum value of SAR (measured) = 0.326 mW/g

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

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

Maximum value of SAR (interpolated) = 0.400 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 9(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.400mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 10(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 1:21:11 PM

Test Laboratory: RTS

File Name: [25mm Back GPRS850 mid chan amb temp 23.2C liq temp 22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz; Duty Cycle: 1:2.1
Medium parameters used (interpolated): $f = 836.8$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

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

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

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

Reference Value = 18.2 V/m; Power Drift = 0.021 dB

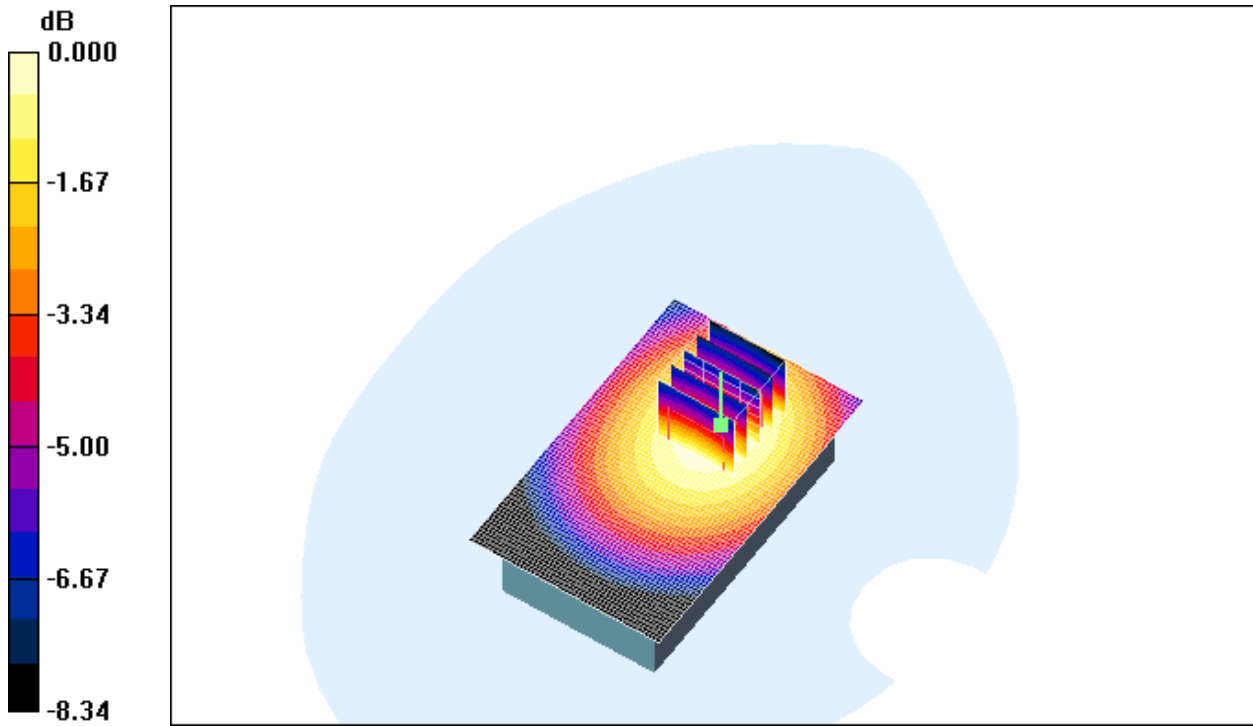
Peak SAR (extrapolated) = 0.414 W/kg

SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.246 mW/g

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

Maximum value of SAR (measured) = 0.347 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 11(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.347mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 12(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 6:38:26 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back CDMA800 mid chan amb temp 23.4C liq temp 22.4 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.483 mW/g

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

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

Reference Value = 23.0 V/m; Power Drift = -0.034 dB

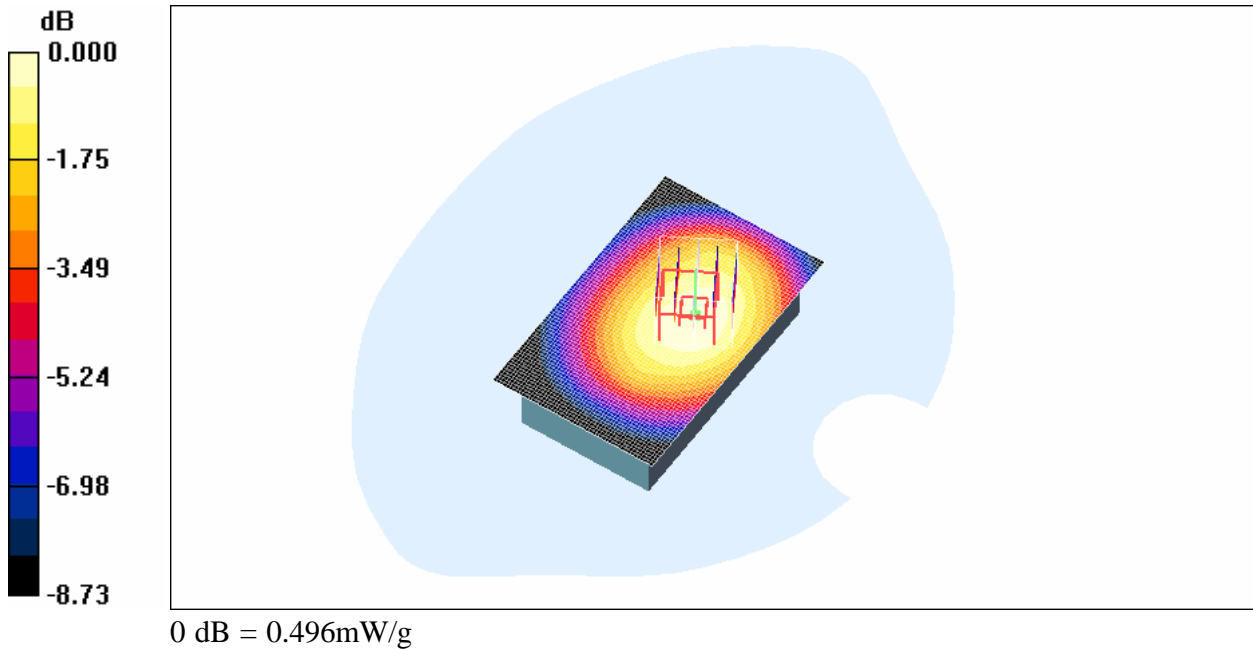
Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.348 mW/g

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

Maximum value of SAR (measured) = 0.496 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 13(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 14(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 6:20:33 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back CDMA800 mid chan amb temp 23.3C liq temp 22.2C.da](#)
[4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(613, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

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

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

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

Reference Value = 22.1 V/m; Power Drift = -0.110 dB

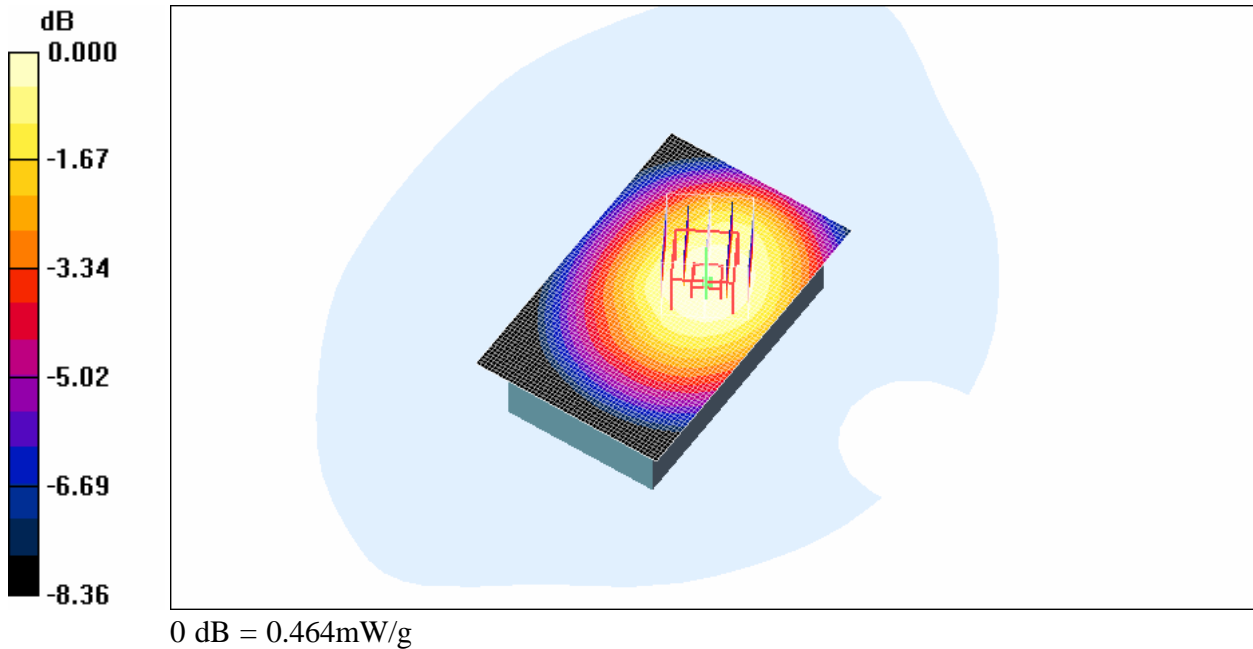
Peak SAR (extrapolated) = 0.563 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.332 mW/g

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

Maximum value of SAR (measured) = 0.464 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 15(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 16(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 7:12:13 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front CDMA800 mid chan amb temp 23.5C liq temp 22.3 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.395 mW/g

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

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

Reference Value = 21.0 V/m; Power Drift = -0.045 dB

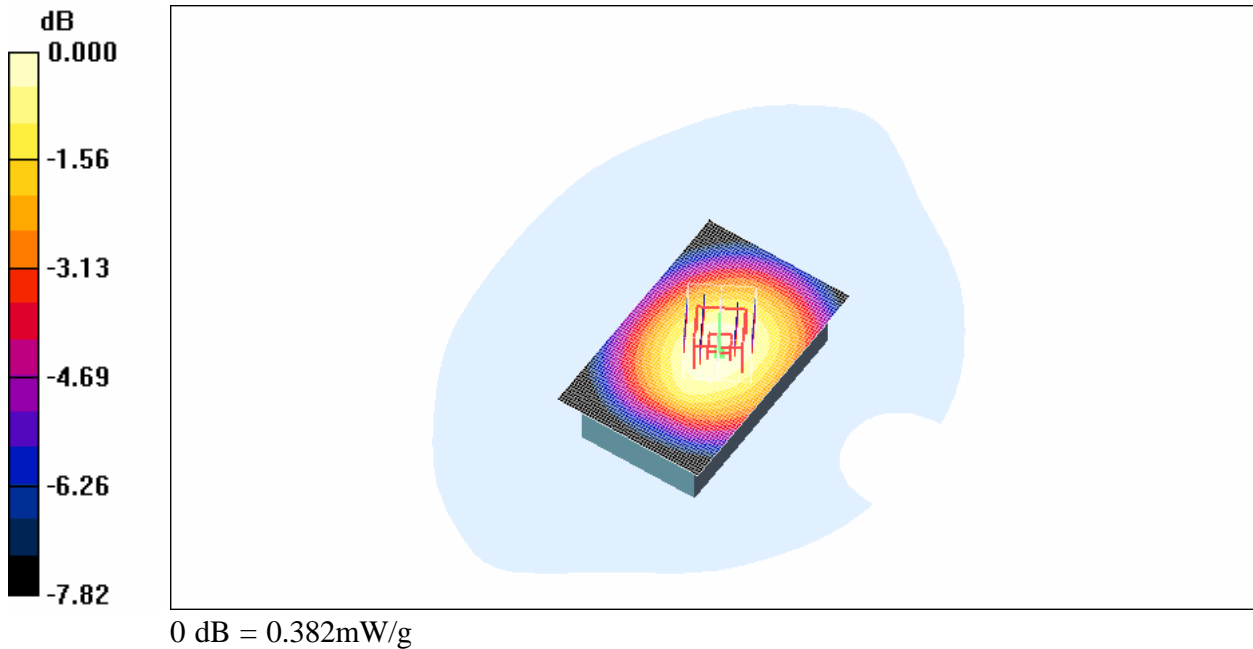
Peak SAR (extrapolated) = 0.449 W/kg

SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.272 mW/g

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

Maximum value of SAR (measured) = 0.382 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 17(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 18(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 6:53:09 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back CDMA800 mid chan amb temp 23.6C liq te mp 22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 836.52$ MHz; $s = 0.936$ mho/m; $\epsilon_r = 52.5$;
 density = 1000 kg/m^3
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.424 mW/g

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

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

Reference Value = 21.3 V/m; Power Drift = -0.088 dB

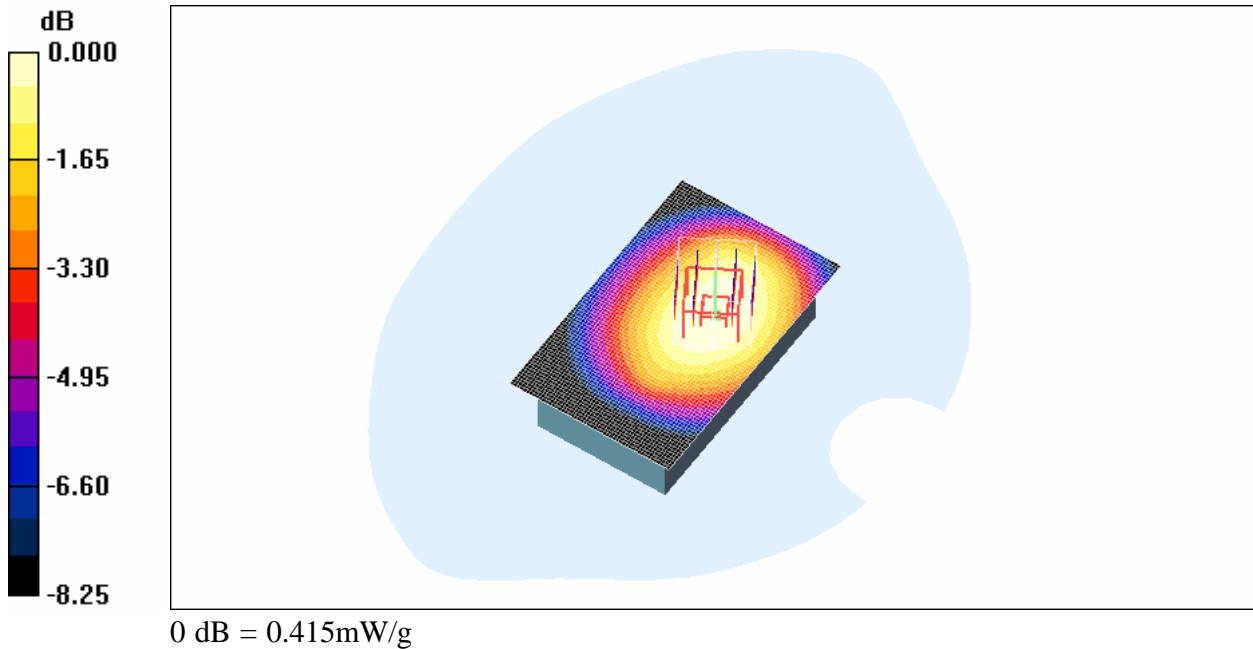
Peak SAR (extrapolated) = 0.490 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.297 mW/g

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

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

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 19(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 20(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 08/08/2008 7:28:40 PM

Test Laboratory: RTS

File Name:

[25 mm Back CDMA800 mid chan amb temp 23.3C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52 \text{ MHz}$; $s = 0.936 \text{ mho/m}$; $\epsilon_r = 52.5$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.329 mW/g

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

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

Reference Value = 19.4 V/m; Power Drift = 0.000 dB

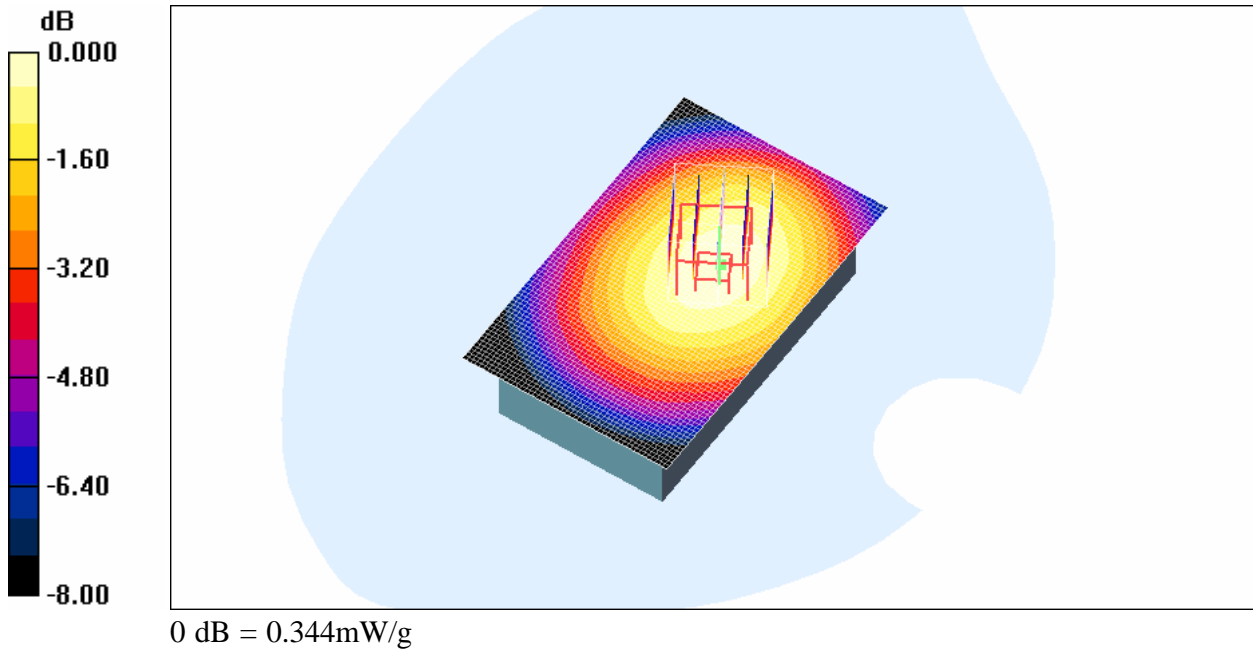
Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.326 mW/g; SAR(10 g) = 0.247 mW/g

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

Maximum value of SAR (measured) = 0.344 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 21(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 22(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 18/09/2008 1:51:45 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back CDMA800 mid chan amb temp 23.8C liq temp 23.0 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3047A9EC
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $s = 0.935$ mho/m; $\epsilon_r = 53$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.13, 6.13, 6.13); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

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

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

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

Reference Value = 24.2 V/m; Power Drift = -0.069 dB

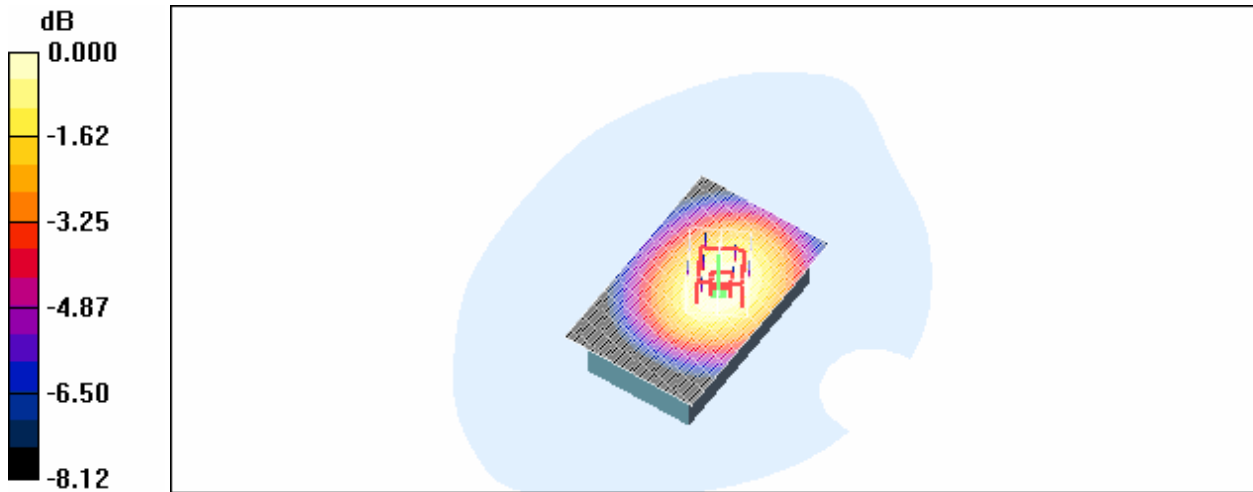
Peak SAR (extrapolated) = 0.635 W/kg

SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.377 mW/g

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

Maximum value of SAR (measured) = 0.542 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 23(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.542mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 24(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 2:25:30 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back GPRS1900 mid chan amb temp 23.5C liq temp 22.3 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880 \text{ MHz}$; $s = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; density = 1000 kg/m^3
Phantom section: Flat Section

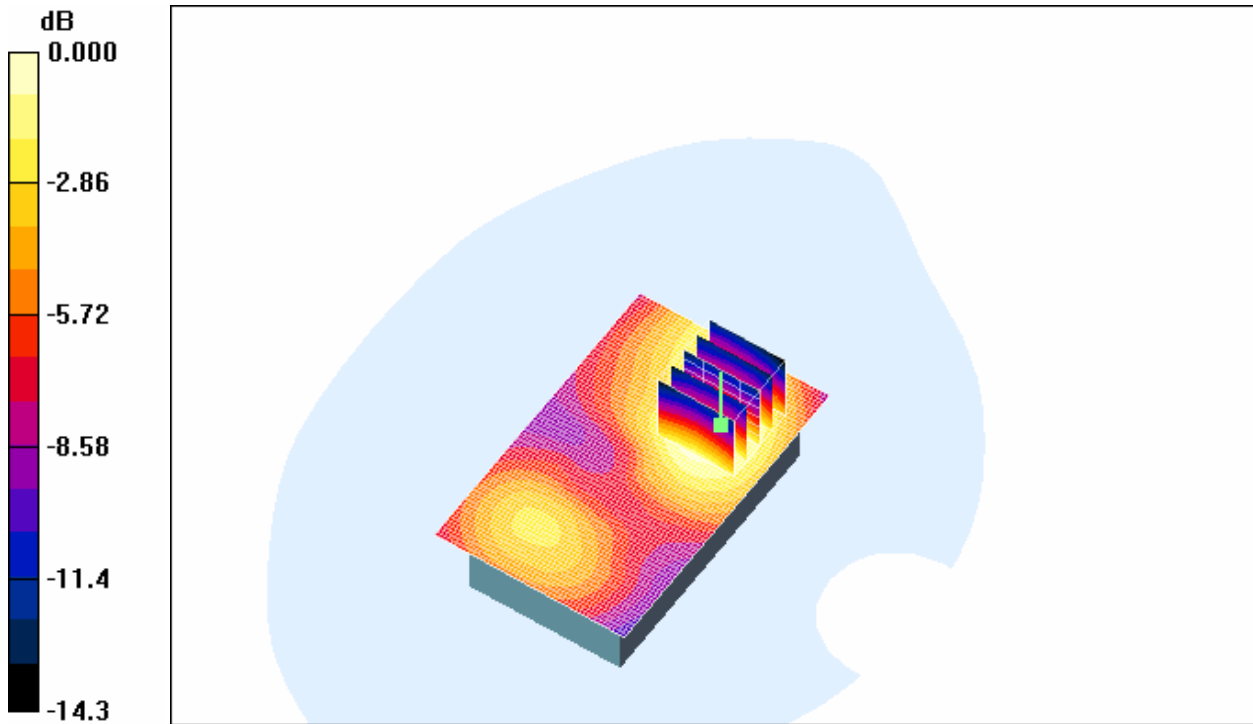
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.471 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.35 V/m; Power Drift = 1.41 dB
Peak SAR (extrapolated) = 0.687 W/kg
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 0.454 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 25(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.454mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 26(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 3:26:14 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back GPRS1900 mid chan amb temp 22.8C liq temp 22.1C.da](#)
4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880 \text{ MHz}$; $s = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; density = 1000 kg/m^3
Phantom section: Flat Section

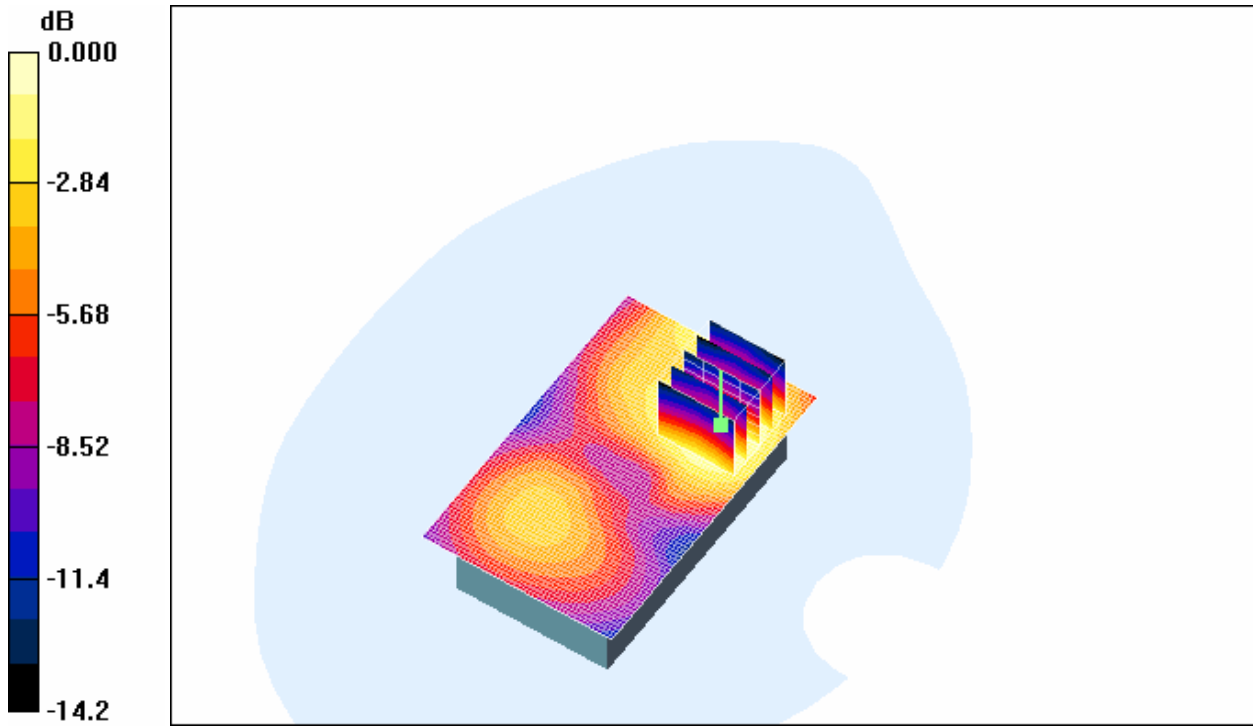
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.438 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
 $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 6.89 V/m ; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.659 W/kg
SAR(1 g) = 0.407 mW/g ; SAR(10 g) = 0.251 mW/g
Maximum value of SAR (measured) = 0.442 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 27(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.442mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 28(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 3:00:20 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front GPRS1900 mid chan amb temp 22.7C liq temp 22.0 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880 \text{ MHz}$; $s = 1.55 \text{ mho/m}$; $\epsilon_r = 51.2$; density = 1000 kg/m^3
Phantom section: Flat Section

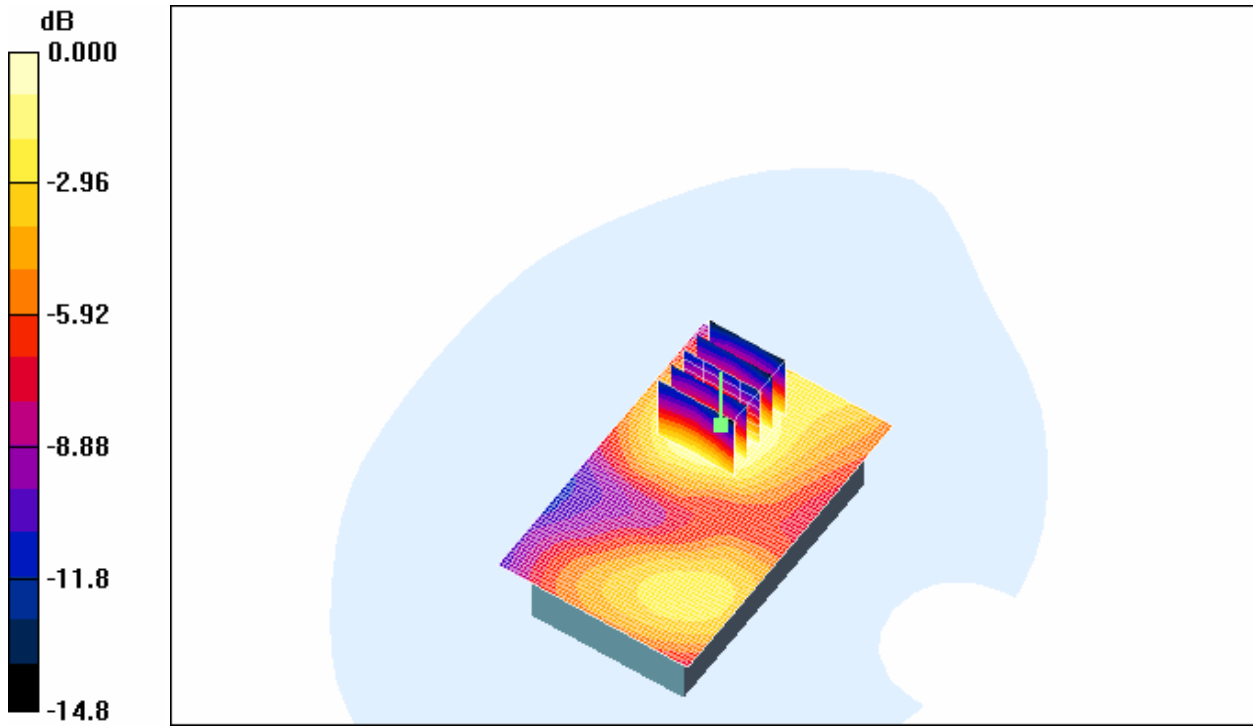
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.304 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
 $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.67 V/m ; Power Drift = -0.249 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.303 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 29(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.303mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 30(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 2:25:30 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back GPRS1900 mid chan amb temp 22.9C liq te mp 22.2C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.471 mW/g

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

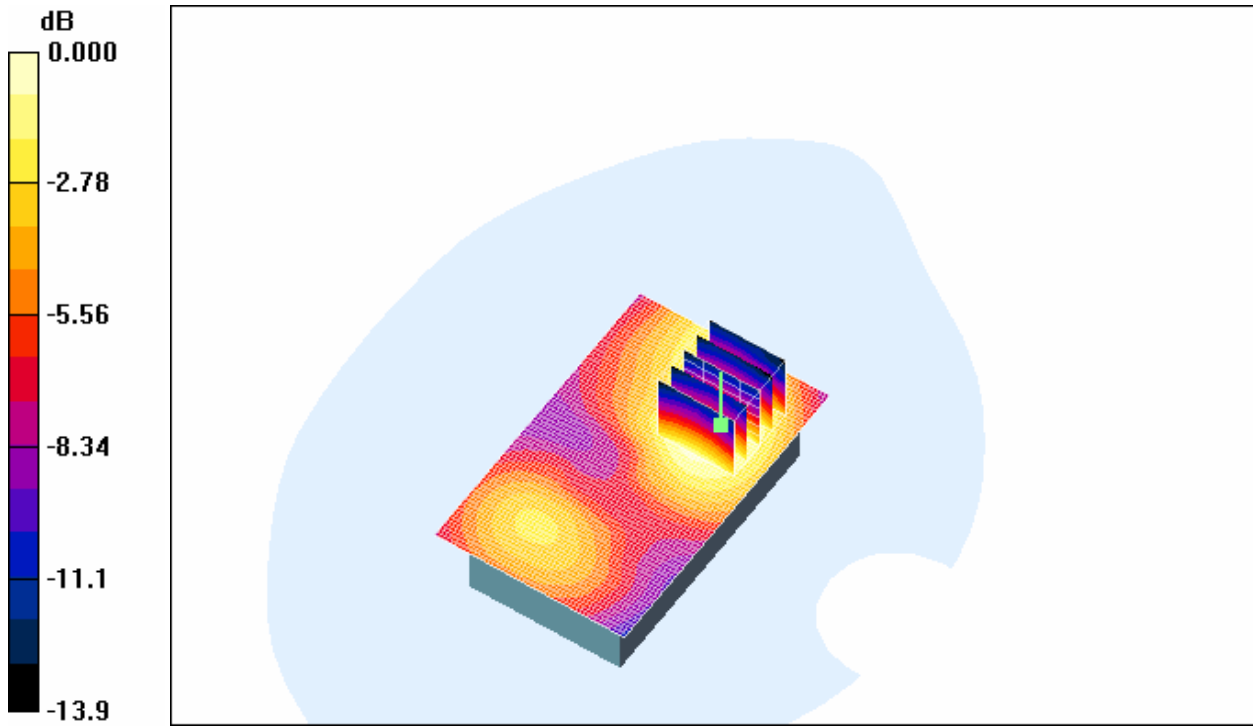
Reference Value = 10.6 V/m; Power Drift = -0.183 dB

Peak SAR (extrapolated) = 0.682 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.452 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 31(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.452mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 32(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 3:40:33 PM

Test Laboratory: RTS

File Name: [25mm Back GPRS1900 mid chan amb temp 23.0C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

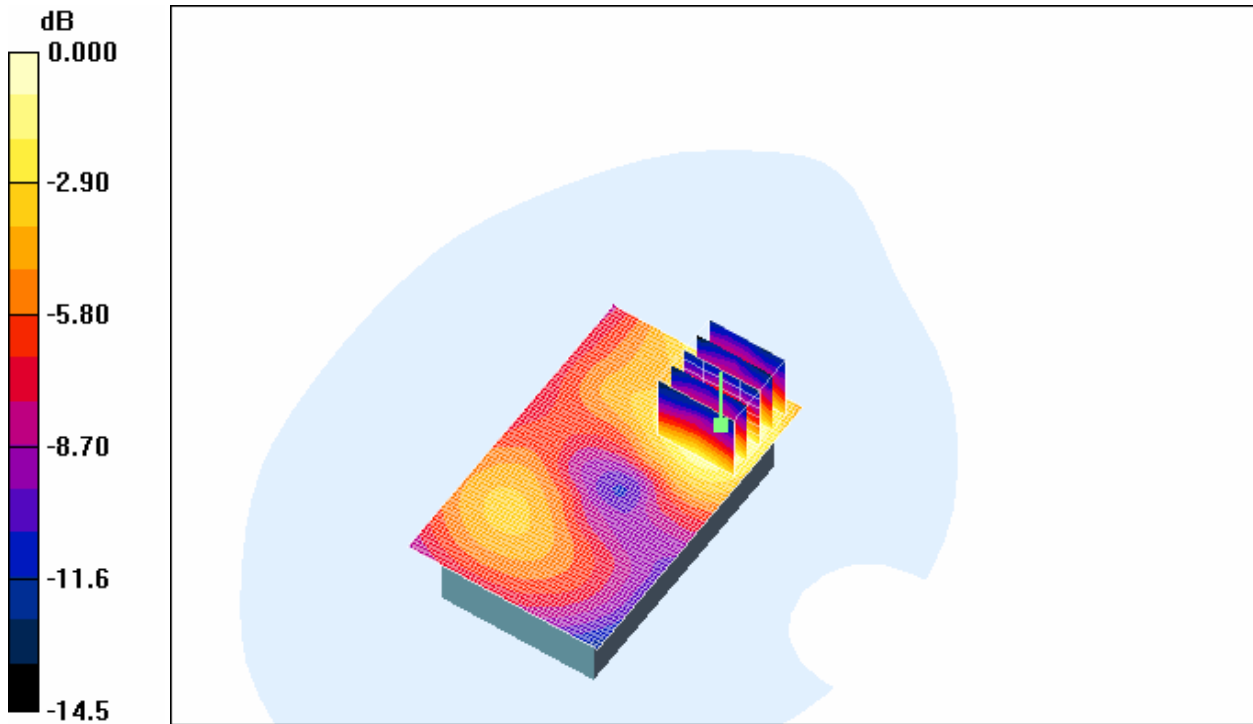
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.279 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.30 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 0.428 W/kg
SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.278 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 33(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.278mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 34(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 8:34:13 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back CDMA1900 mid chan amb temp 22.6C liq temp 21.8C.d
a4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body wom)

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000
kg/m³
Phantom section: Flat Section

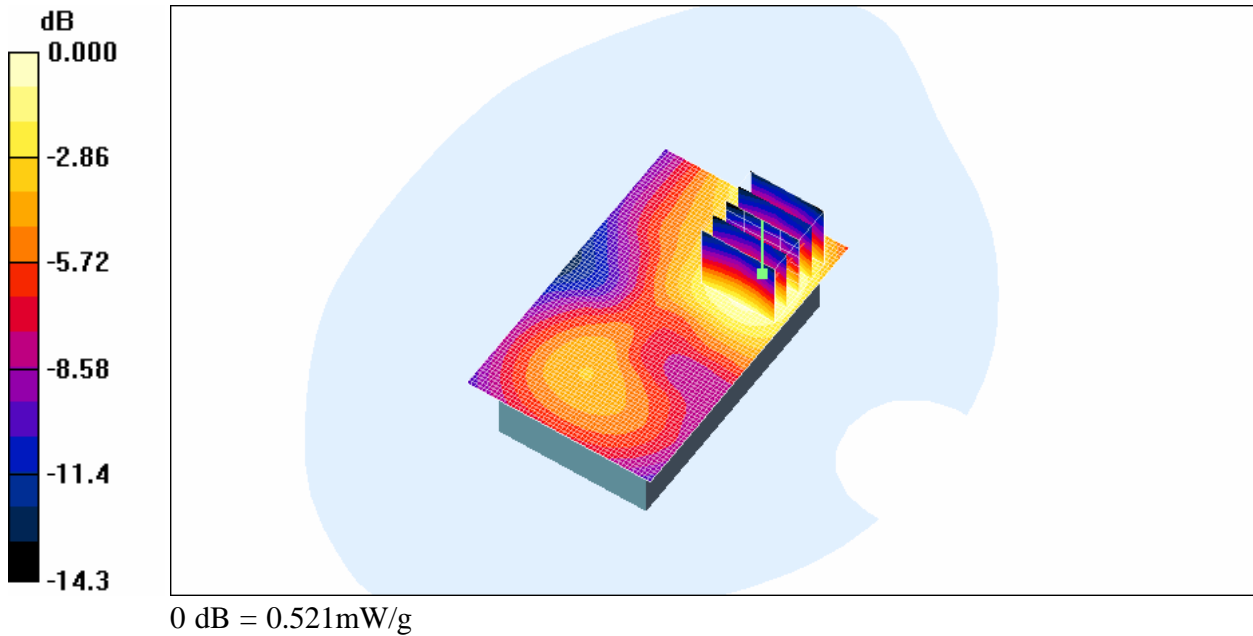
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.508 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.51 V/m; Power Drift = -0.490 dB
Peak SAR (extrapolated) = 0.795 W/kg
SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.521 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 35(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 36(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 8:51:25 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back CDMA1900 mid chan amb temp 22.8C liq temp 21.9C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

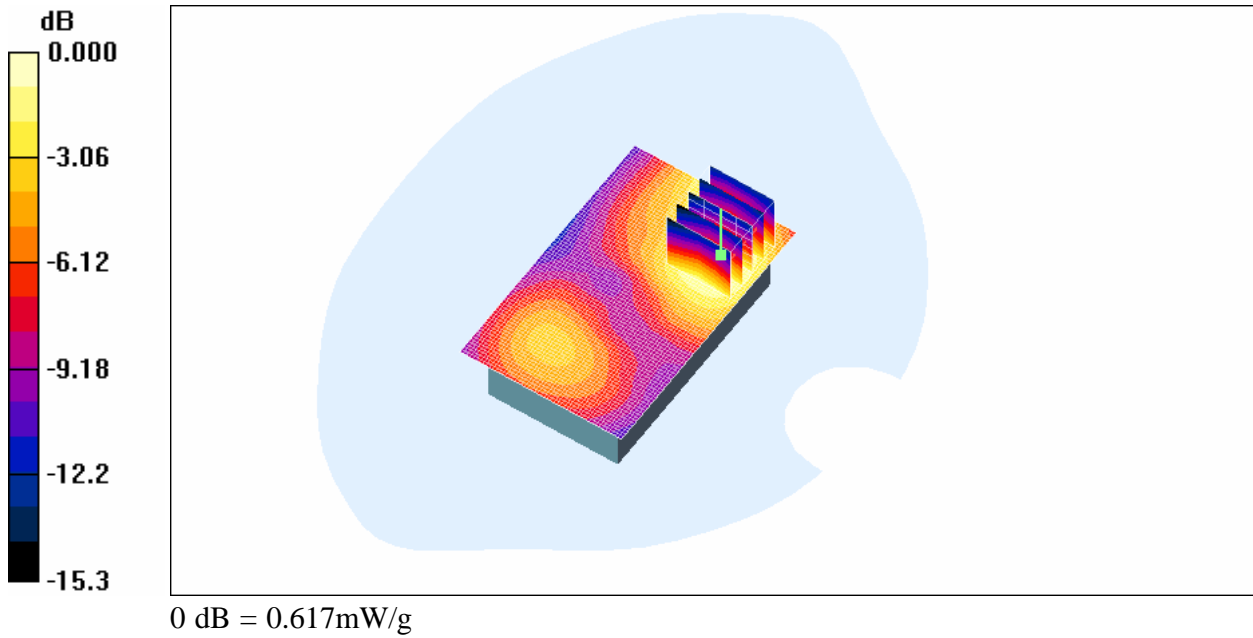
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.585 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.69 V/m; Power Drift = -0.001 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 0.617 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 37(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 38(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 9:22:01 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front CDMA1900 mid chan amb temp 22.7C liq temp 22.1C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

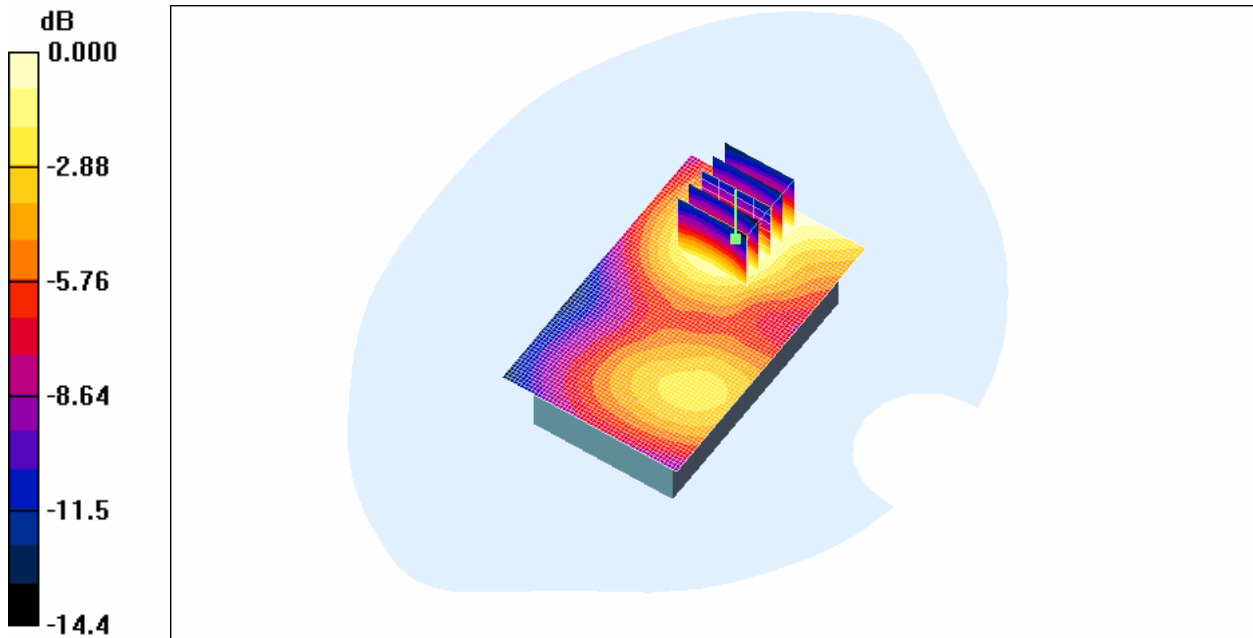
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.373 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.23 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.518 W/kg
SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.356 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 39(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.356mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 40(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 9:05:36 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back CDMA1900 mid chan amb temp 22.7C liq t emp 22.0C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

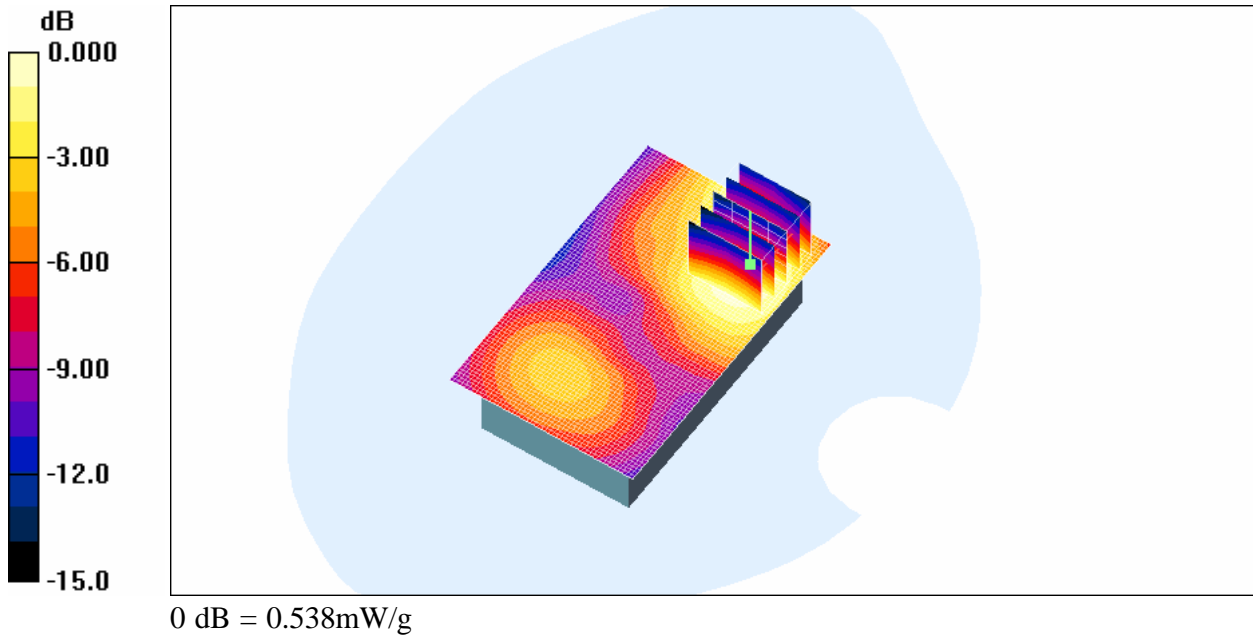
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.547 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.65 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.832 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.538 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 41(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 42(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 12/08/2008 9:37:18 PM

Test Laboratory: RTS

File Name:

[25 mm Back CDMA1900 mid chan amb temp 22.8C liq temp 22.2C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 30479FD1
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $s = 1.55$ mho/m; $\epsilon_r = 51.2$; density = 1000 kg/m³
Phantom section: Flat Section

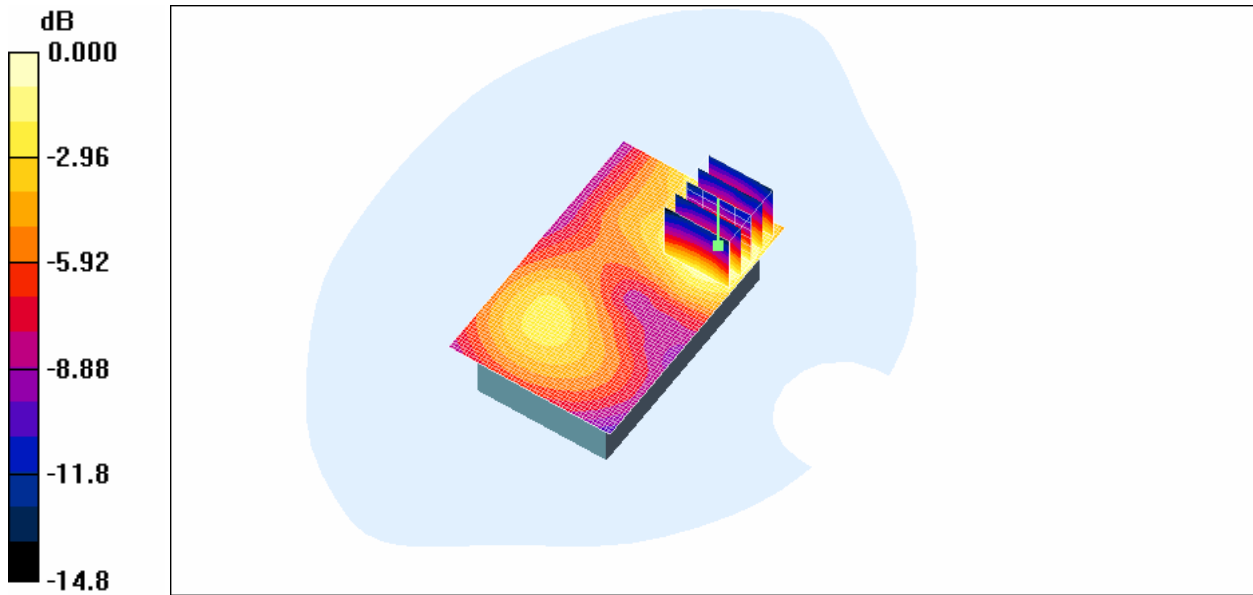
DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Body - Middle/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.319 mW/g

Body - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.57 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.325 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 43(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.325mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 44(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 06/08/2008 6:56:43 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back BT mid chan amb temp 23.5C liq temp 22.5C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 302B75F2
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $s = 1.96$ mho/m; $\epsilon_r = 50.2$;
density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 408, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.005 mW/g

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

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

Reference Value = 1.15 V/m; Power Drift = -2.35 dB

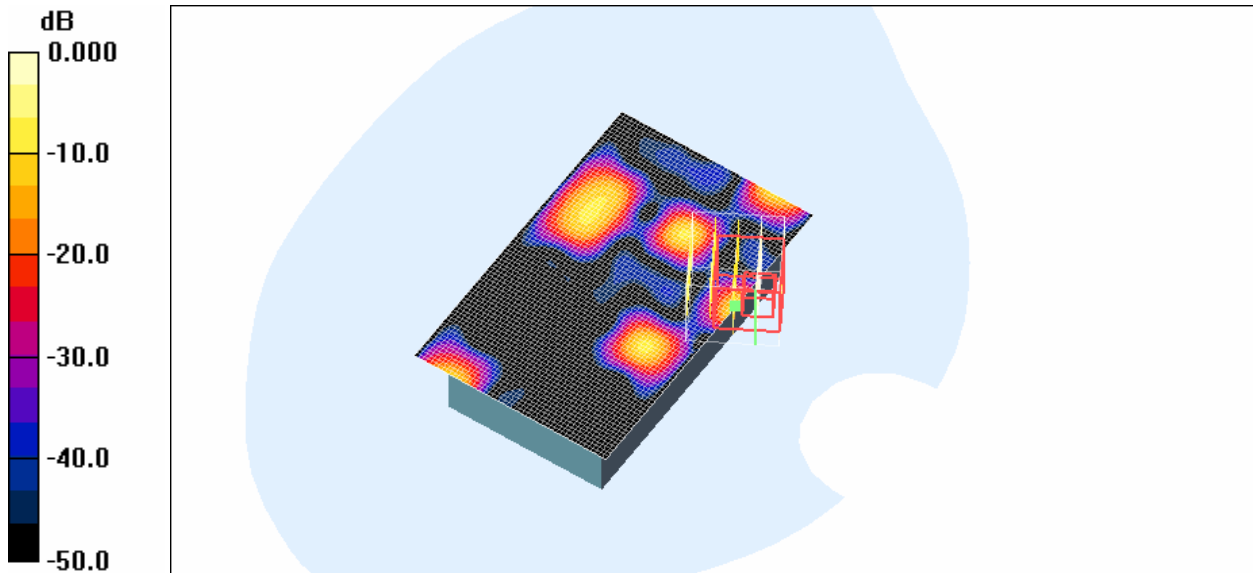
Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.000331 mW/g; SAR(10 g) = 4.68e-005 mW/g

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

Maximum value of SAR (measured) = 0.029 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 45(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.029mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 46(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 06/08/2008 7:16:07 PM

Test Laboratory: RTS

File Name:

[Horizontal Holster Back BT mid chan amb temp 23.8C liq temp 22.7C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 302B75F2
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $s = 1.96$ mho/m; $\epsilon_r = 50.2$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.006 mW/g

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

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

Reference Value = 0.742 V/m; Power Drift = -1.04 dB

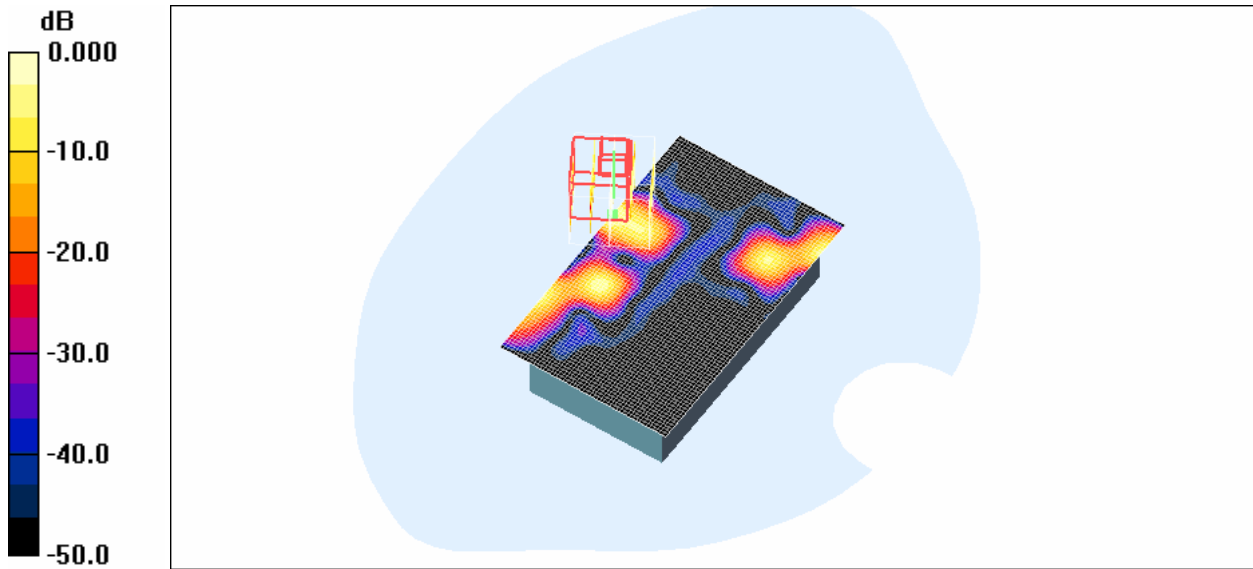
Peak SAR (extrapolated) = 0.011 W/kg

SAR(1 g) = 0.000336 mW/g; SAR(10 g) = 5.43e-005 mW/g

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

Maximum value of SAR (measured) = 0.011 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 47(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.011mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 48(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 06/08/2008 7:59:39 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front BT mid chan amb temp 23.4C liq temp 22.4C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 302B75F2
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2441$ MHz; $s = 1.96$ mho/m; $\epsilon_r = 50.2$;
density = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(408, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.008 mW/g

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

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

Reference Value = 0.922 V/m; Power Drift = -1.06 dB

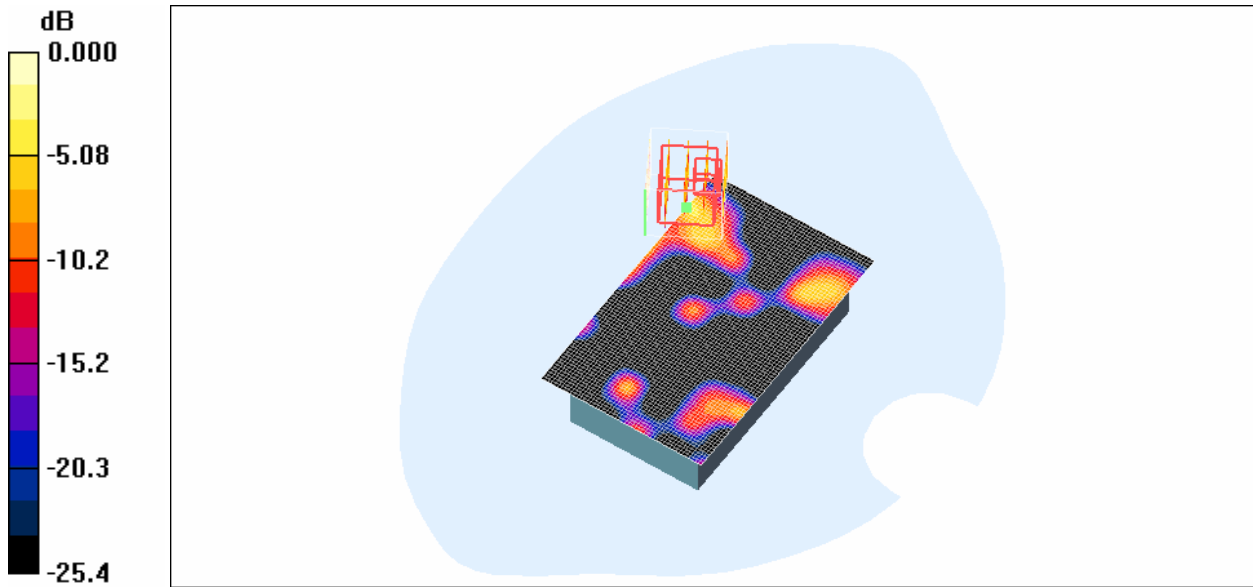
Peak SAR (extrapolated) = 0.018 W/kg

SAR(1 g) = 0.000402 mW/g; SAR(10 g) = 4.96e-005 mW/g

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

Maximum value of SAR (measured) = 0.018 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 49(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.018mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 50(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 06/08/2008 7:33:47 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back BT mid chan amb temp 23.7C liq temp 22.6C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 302B75F2
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2441 \text{ MHz}$; $s = 1.96 \text{ mho/m}$; $\epsilon_r = 50.2$;
 density = 1000 kg/m^3
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.006 mW/g

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

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

Reference Value = 0.759 V/m; Power Drift = 0.467 dB

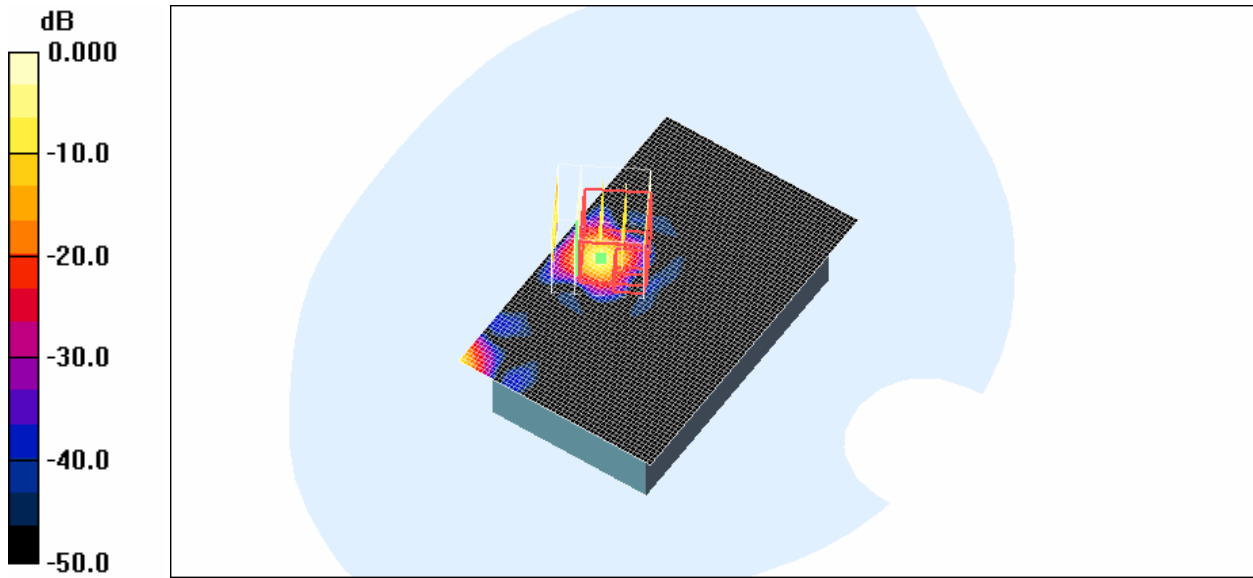
Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.000158 mW/g; SAR(10 g) = 4.06e-005 mW/g

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

Maximum value of SAR (measured) = 0.017 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 51(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.017mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 52(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 06/08/2008 8:17:49 PM

Test Laboratory: RTS

File Name: [25 mm Back BT mid chan amb temp 23.4C liq temp 22.3C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 302B75F2
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2441$ MHz; $s = 1.96$ mho/m; $\epsilon_r = 50.2$;
 density = 1000 kg/m^3
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.08, 4.08, 4.08); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.006 mW/g

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

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

Reference Value = 0.983 V/m; Power Drift = -1.79 dB

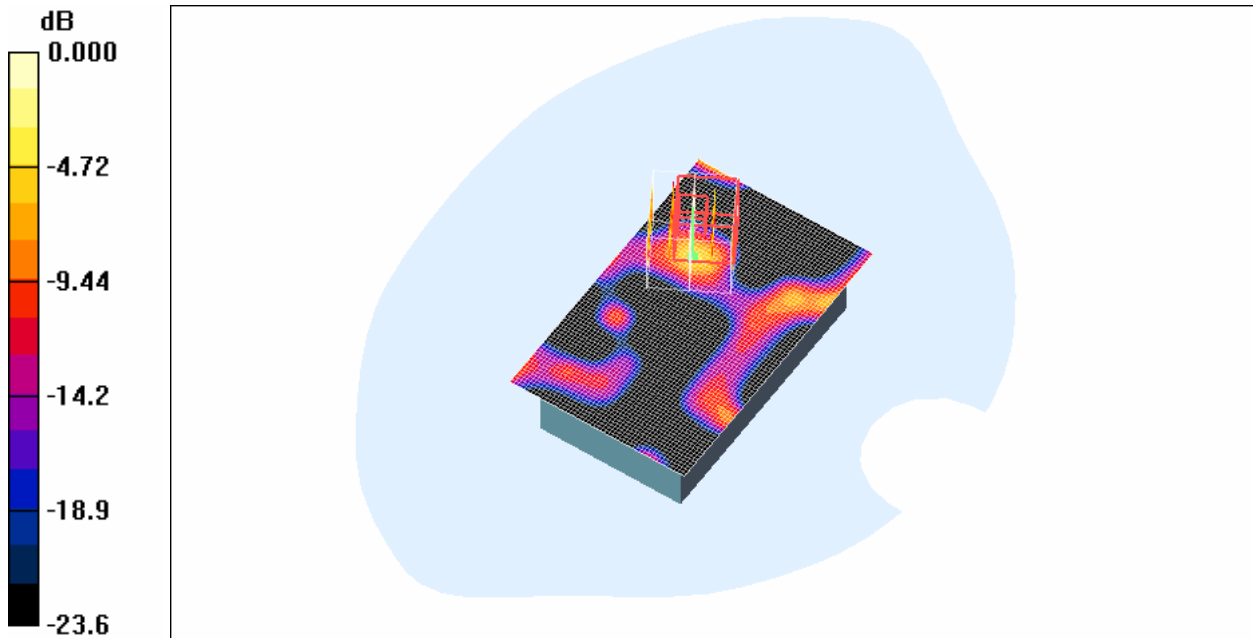
Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.000501 mW/g; SAR(10 g) = 6.3e-005 mW/g

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

Maximum value of SAR (measured) = 0.016 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 53(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.016mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 54(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Date/Time: 16/09/2008 1:56:01 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back GPRS1900 mid chan amb temp 23.8C liq temp 22.5 C.da4](#)

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 3047A9EC
Program Name: Compliance Testing: P1528 Protocol (Body worn)

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2
Medium parameters used (extrapolated): $f = 1880 \text{ MHz}$; $s = 1.57 \text{ mho/m}$; $\epsilon_r = 52.6$;
density = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.85, 4.85, 4.85); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.333 mW/g

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

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

Reference Value = 10.8 V/m; Power Drift = 0.016 dB

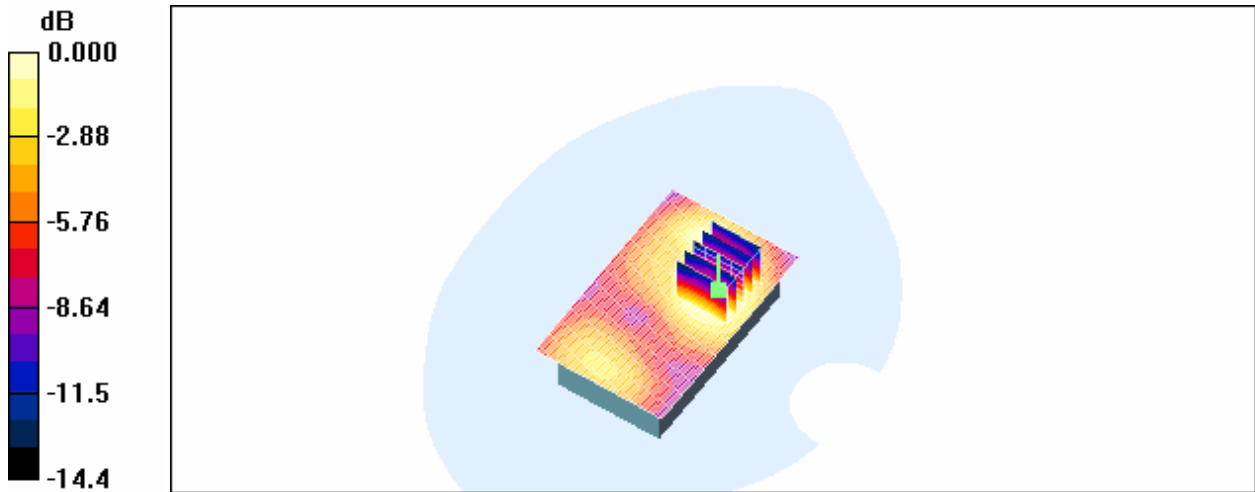
Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.187 mW/g

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

Maximum value of SAR (measured) = 0.325 mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 55(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1



0 dB = 0.325mW/g

RTS RIM Testing Services	Document Appendix for the BlackBerry® Smartphone Model RBW71CW SAR Report		Page 56(56)
	Author Data Shahriar Ninad	Dates of Test Aug 06-14, Sep 15-18, 2008	Test Report No RTS-1191-0808-22 Rev 1

Z axis plots for the worst case body worn configuration:

