

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>1(58)</b>
Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>	FCC ID: <b>L6ARCD20IN</b>

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

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>2(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 23/09/2008 4:16:48 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back iDEN800 2slots mid\\_chan\\_amb\\_temp\\_22.2C\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.925 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.700 mW/g

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

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

Reference Value = 27.5 V/m; Power Drift = 0.096 dB

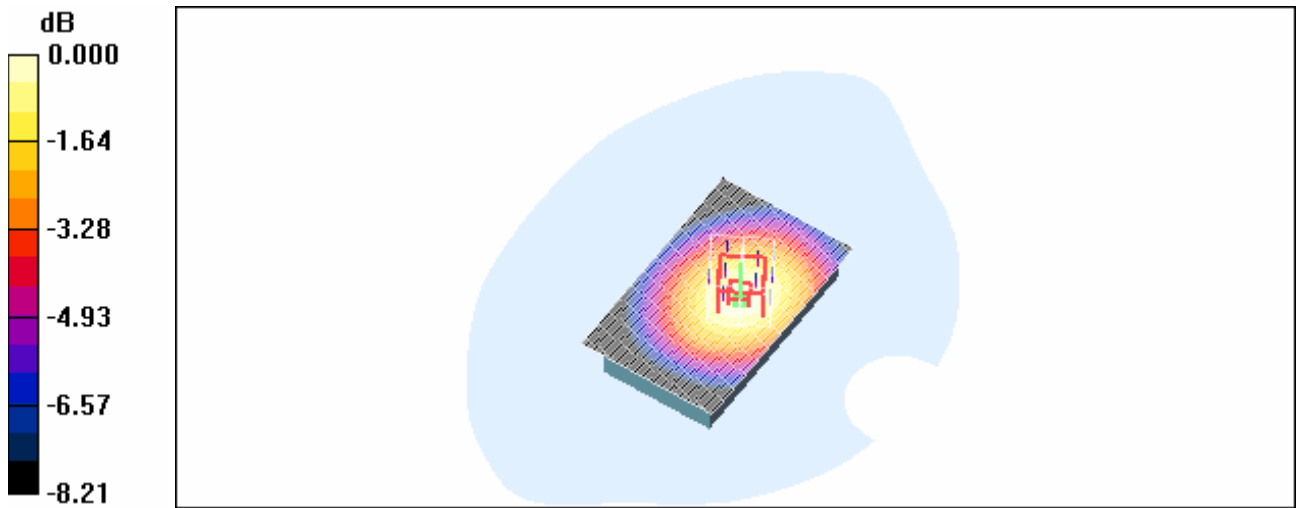
Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.492 mW/g**

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

Maximum value of SAR (measured) = 0.714 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>3(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.714mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>4(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 23/09/2008 4:35:38 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front iDEN800\\_2slots\\_mid\\_chan\\_amb\\_temp\\_22.2C\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.925 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.560 mW/g

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

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

Reference Value = 25.7 V/m; Power Drift = -0.188 dB

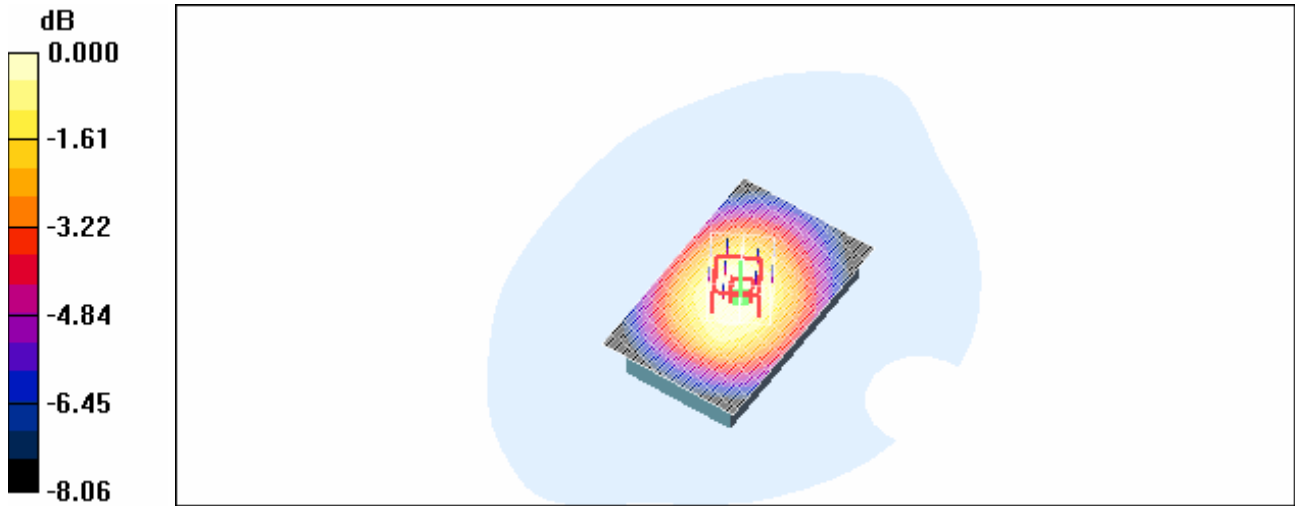
Peak SAR (extrapolated) = 0.626 W/kg

**SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.388 mW/g**

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

Maximum value of SAR (measured) = 0.546 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>5(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.546mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>6(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 9:00:37 AM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back iDEN800 2slots mid\\_chan\\_amb\\_temp\\_22.7C\\_liq\\_temp\\_22.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.925 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.588 mW/g

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

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

Reference Value = 25.4 V/m; Power Drift = -0.011 dB

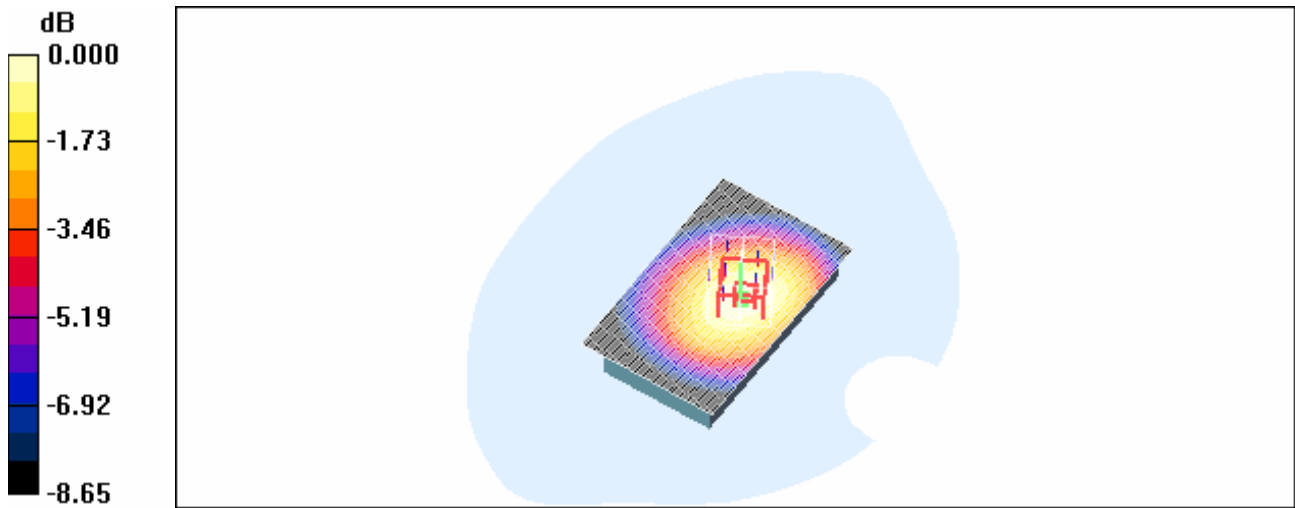
Peak SAR (extrapolated) = 0.687 W/kg

**SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.420 mW/g**

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

Maximum value of SAR (measured) = 0.601 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>7(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.601mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>8(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 9:17:27 AM

Test Laboratory: RTS

File Name:

[Plastic\\_Holster\\_Front\\_IDEN800\\_2slots\\_mid\\_chan\\_amb\\_temp\\_22.6C\\_liq\\_temp\\_22.3C.d a4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.925 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.635 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 = 23.9 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 0.715 W/kg

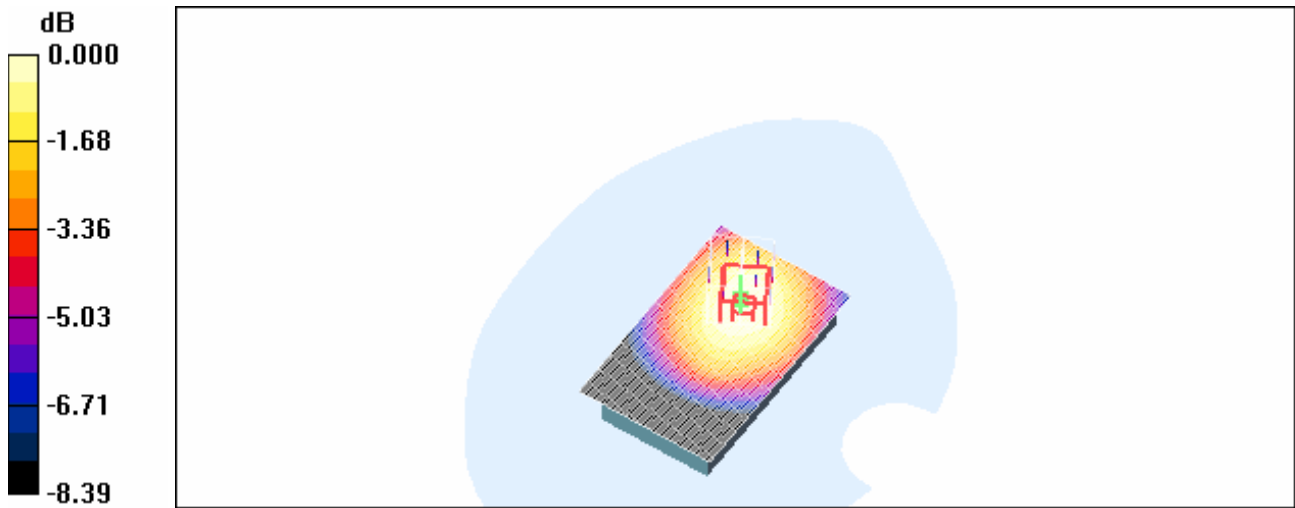
**SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.447 mW/g**

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

Maximum value of SAR (measured) = 0.613 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>9(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.613mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>10(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 9:36:32 AM

Test Laboratory: RTS

File Name:

[25mm\\_Back\\_iDEN800\\_2slots\\_mid\\_chan\\_amb\\_temp\\_21.8C\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.925 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.552 mW/g

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

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

Reference Value = 22.7 V/m; Power Drift = -0.071 dB

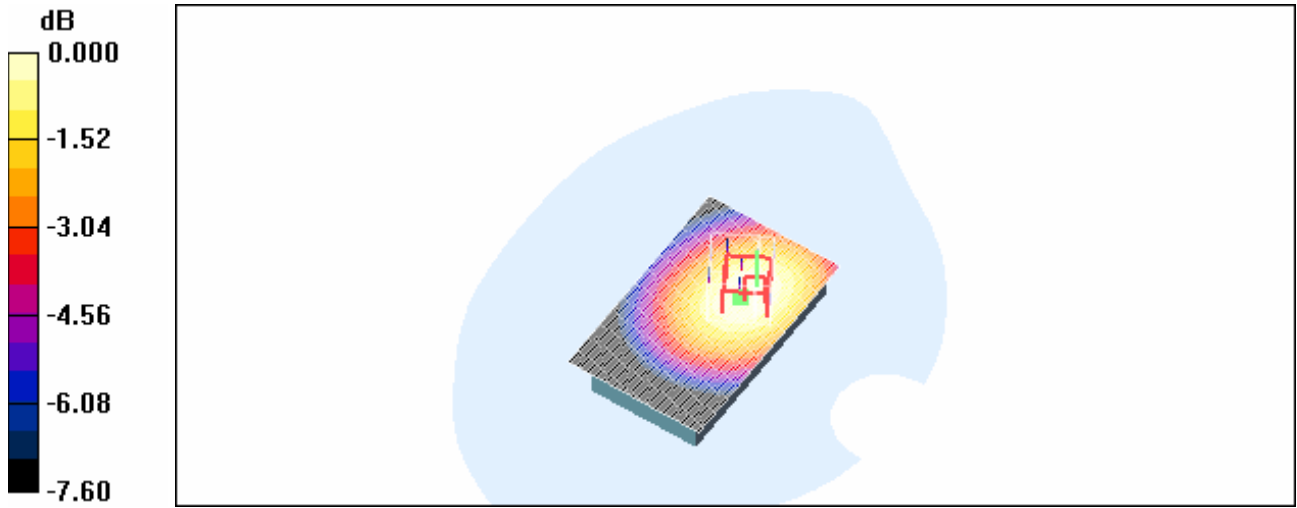
Peak SAR (extrapolated) = 0.615 W/kg

**SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.382 mW/g**

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

Maximum value of SAR (measured) = 0.526 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>11(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.526mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>12(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 16/10/2008 9:26:51 AM

Test Laboratory: RTS

File Name:

[Rugged Holster Back iDEN800 2slots low\\_chan\\_amb\\_temp\\_24.0C\\_liq\\_temp\\_23.0C\\_da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 806.013 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 806.013 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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 - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.757 mW/g

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

Reference Value = 24.3 V/m; Power Drift = -0.044 dB

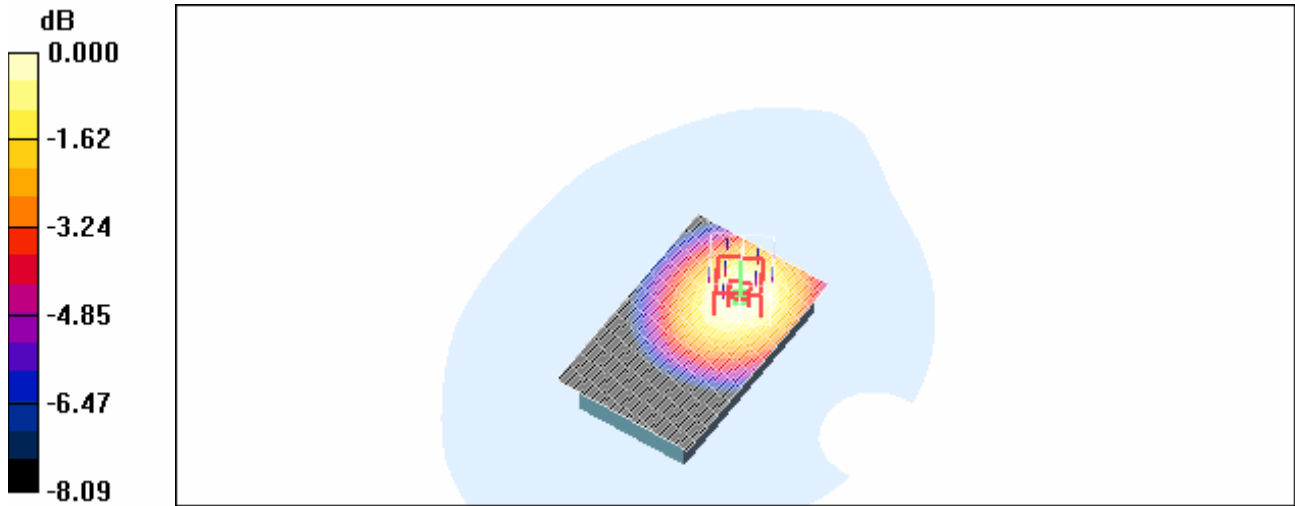
Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.543 mW/g**

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

Maximum value of SAR (measured) = 0.760 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>13(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.760mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>14(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 16/10/2008 9:49:58 AM

Test Laboratory: RTS

File Name:

[Rugged Holster Back iDEN800 2slots mid chan amb temp 24.0C liq temp 23.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.914 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.761 mW/g

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

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

Reference Value = 25.3 V/m; Power Drift = -0.004 dB

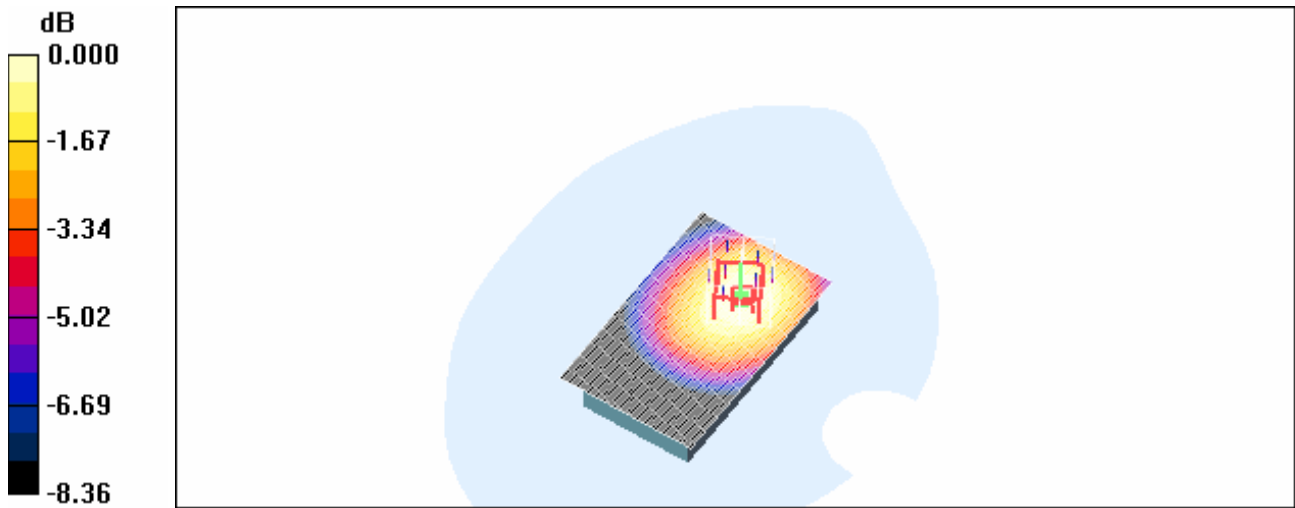
Peak SAR (extrapolated) = 0.925 W/kg

**SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.554 mW/g**

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

Maximum value of SAR (measured) = 0.784 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>15(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.784mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>16(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 16/10/2008 10:10:41 AM

Test Laboratory: RTS

File Name:

[Rugged Holster Back iDEN800 2slots high chan amb temp 23.9C liq temp 22.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.926$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 -High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.752 mW/g

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

Reference Value = 24.5 V/m; Power Drift = -0.221 dB

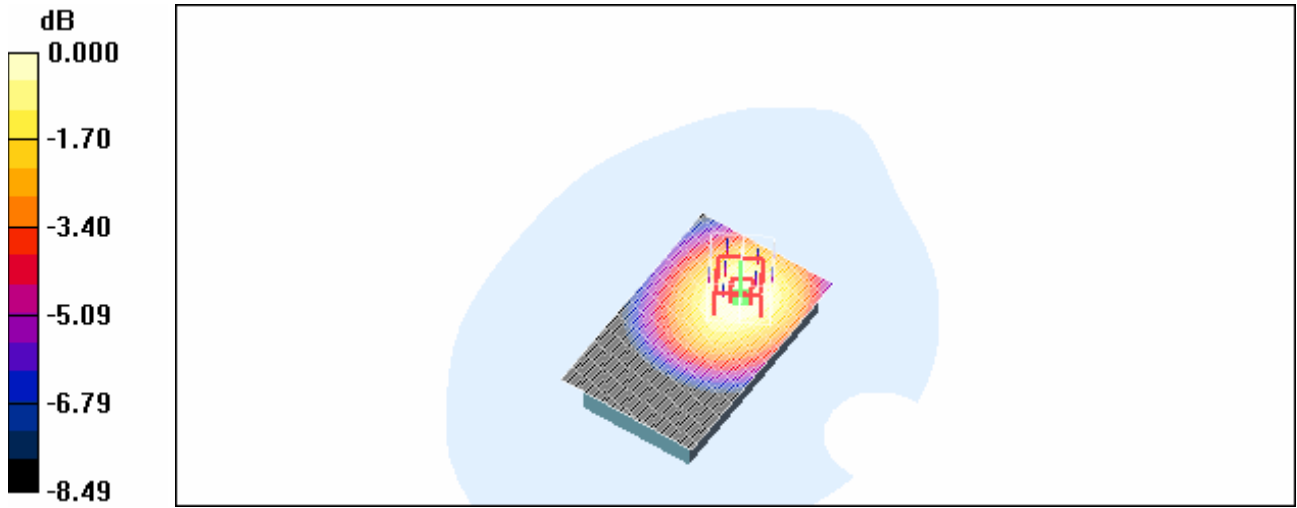
Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.755 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>17(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.755mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>18(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 16/10/2008 10:33:01 AM

Test Laboratory: RTS

File Name:

[Rugged Holster Front iDEN800 2slots high chan amb temp 23.9C liq temp 22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3

Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.926$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 -High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.637 mW/g

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

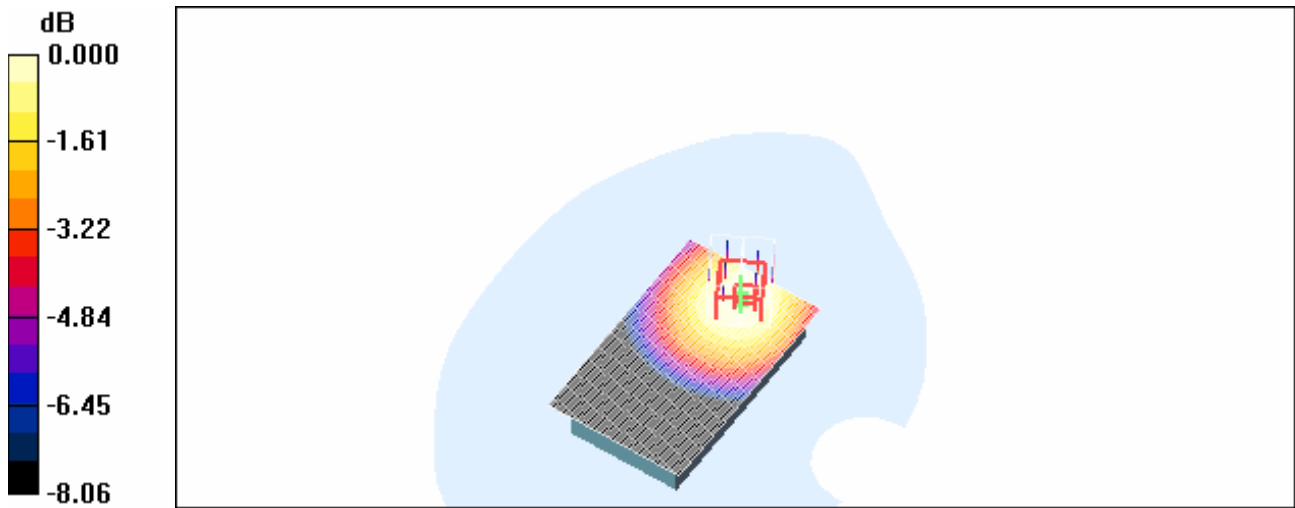
Reference Value = 18.0 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.750 W/kg

**SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.468 mW/g**

Maximum value of SAR (measured) = 0.643 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>19(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.643mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>20(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 16/10/2008 10:48:09 AM

Test Laboratory: RTS

File Name:

[Rugged Holster Back Headset iDEN800 2slots high chan amb temp 23.9C liq temp 22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3

Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.926 \text{ mho/m}$ ;  $\epsilon_r = 53$ ;  $\rho = 1000 \text{ kg/m}^3$

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 -High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.541 mW/g

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

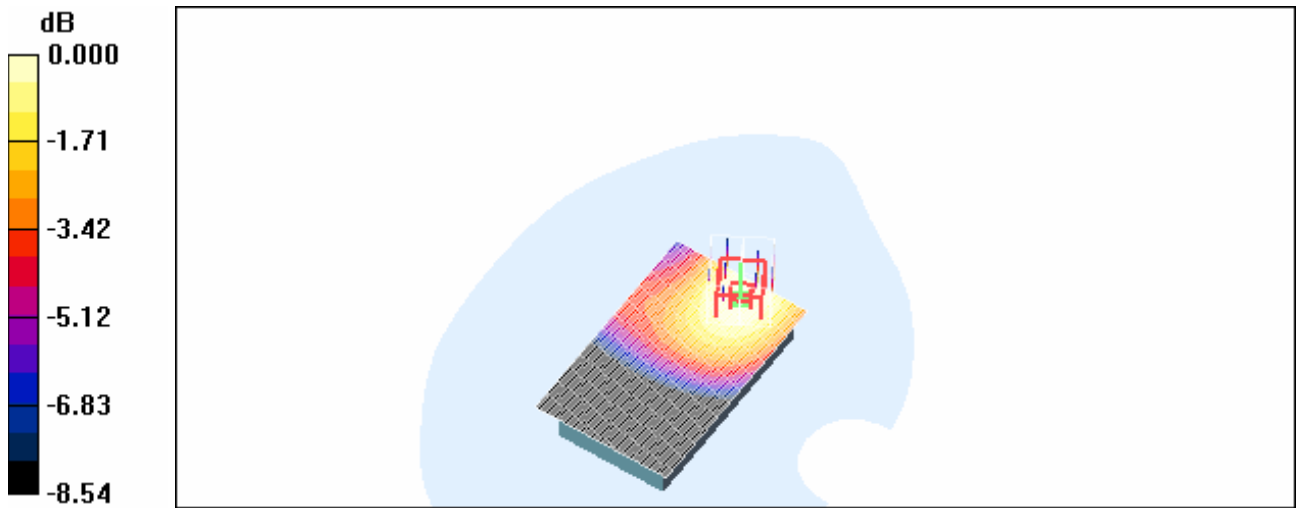
Reference Value = 15.1 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 0.616 W/kg

**SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.522 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>21(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.522mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>22(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 3:26:45 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back iDEN900 2slots mid chan amb temp 22.4C liq temp 21.7C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5$  MHz;  $\sigma = 1.02$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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) = 0.471 mW/g

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

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

Reference Value = 22.3 V/m; Power Drift = -0.179 dB

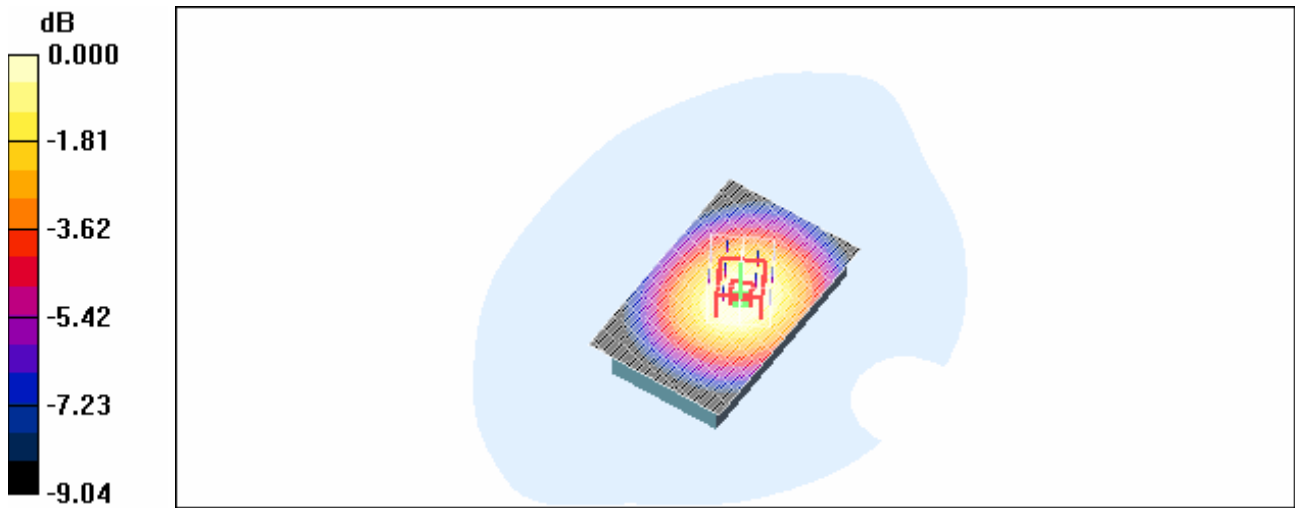
Peak SAR (extrapolated) = 0.544 W/kg

**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.318 mW/g**

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

Maximum value of SAR (measured) = 0.469 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>23(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>24(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 3:43:33 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front iDEN900 2slots mid\\_chan\\_amb\\_temp\\_21.9C\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5 \text{ MHz}$ ;  $\sigma = 1.02 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
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:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.362 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 = 19.6 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 0.412 W/kg

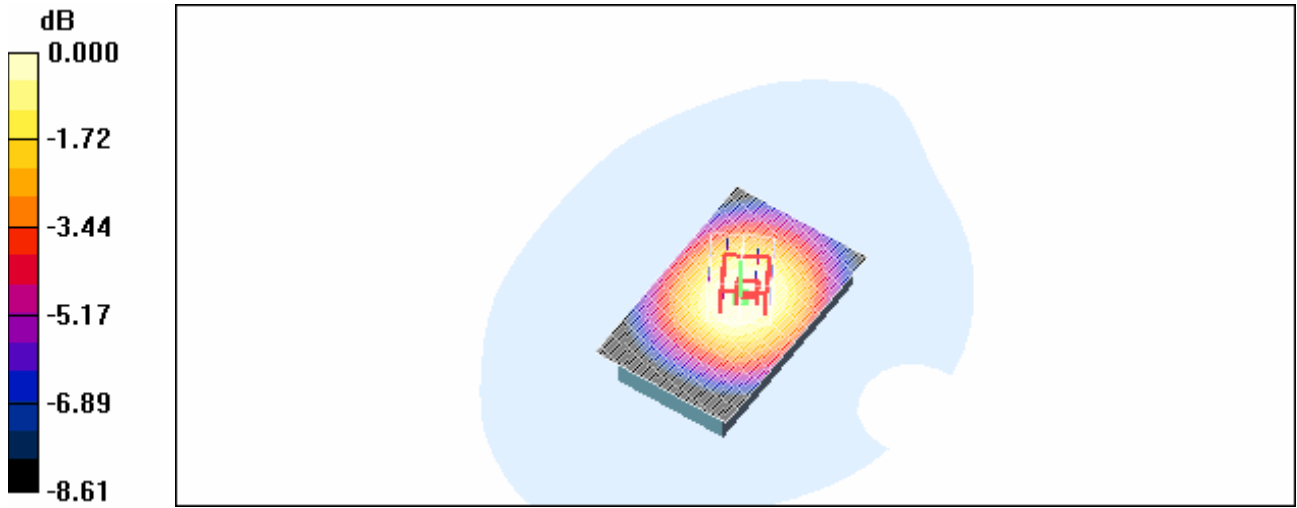
**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.246 mW/g**

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

Maximum value of SAR (measured) = 0.349 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>25(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.349mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>26(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 3:59:49 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Headset Back iDEN900 2slots mid\\_chan\\_amb\\_temp\\_22.3C\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5 \text{ MHz}$ ;  $\sigma = 1.02 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$

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) = 0.259 mW/g

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

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

Reference Value = 15.7 V/m; Power Drift = -0.014 dB

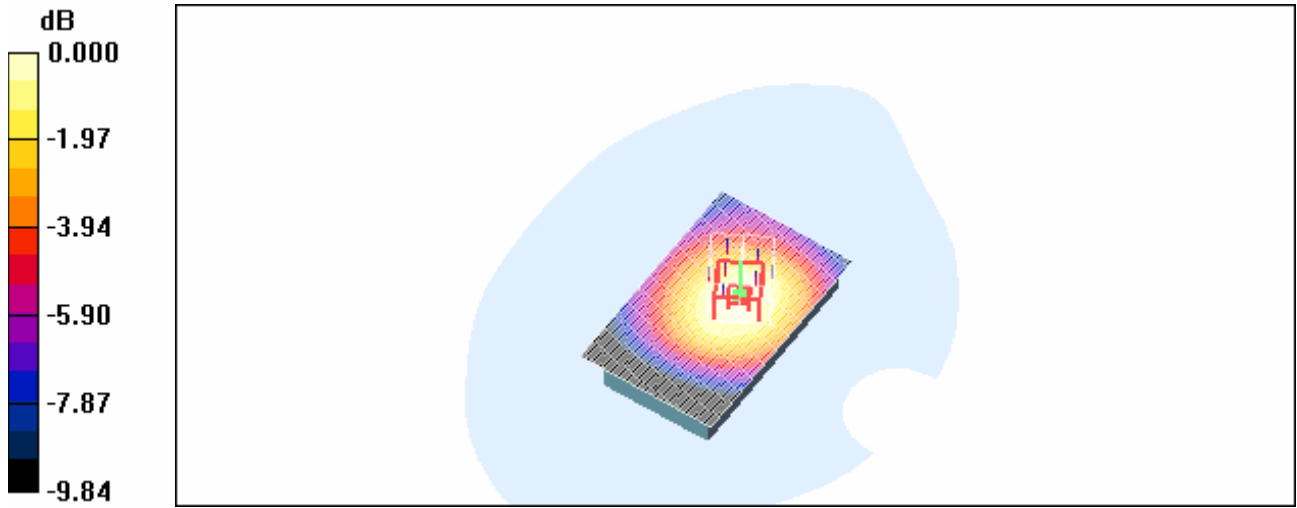
Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.173 mW/g**

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

Maximum value of SAR (measured) = 0.253 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>27(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.253mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>28(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 4:23:44 PM

Test Laboratory: RTS

File Name:

[Plastic\\_Holster\\_Front\\_iDEN900\\_2slots\\_mid\\_chan\\_amb\\_temp\\_22.0C\\_liq\\_temp\\_21.8C.d a4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5 \text{ MHz}$ ;  $\sigma = 1.02 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.432 mW/g

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

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

Reference Value = 18.7 V/m; Power Drift = -0.152 dB

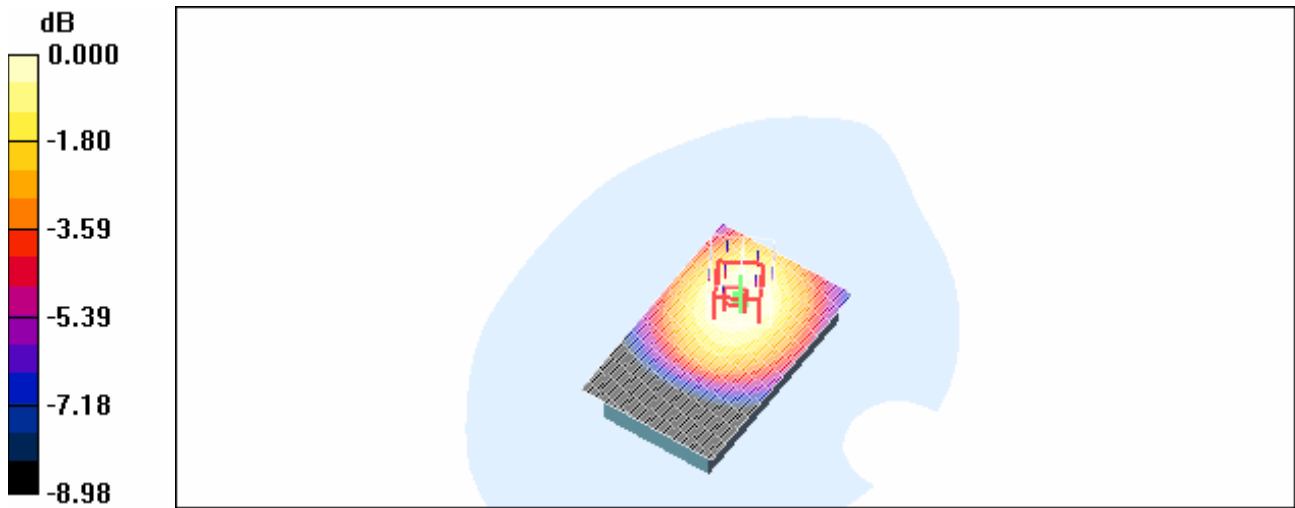
Peak SAR (extrapolated) = 0.495 W/kg

**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.296 mW/g**

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

Maximum value of SAR (measured) = 0.418 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>29(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.418mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>30(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 24/09/2008 4:39:06 PM

Test Laboratory: RTS

File Name:

[25mm\\_Back\\_iDEN900\\_2slots\\_mid\\_chan\\_amb\\_temp\\_22.2C\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5 \text{ MHz}$ ;  $\sigma = 1.02 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.398 mW/g

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

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

Reference Value = 16.7 V/m; Power Drift = -0.156 dB

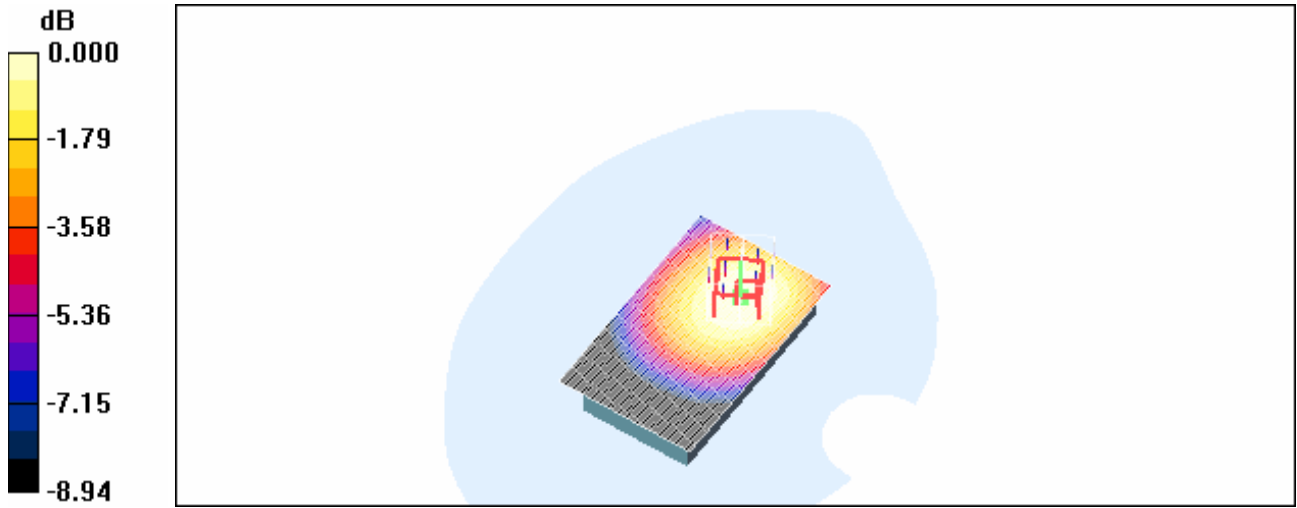
Peak SAR (extrapolated) = 0.442 W/kg

**SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.265 mW/g**

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

Maximum value of SAR (measured) = 0.375 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>31(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.375mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>32(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 30/09/2008 9:54:04 AM

Test Laboratory: RTS

File Name:

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

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.99 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
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) = 0.004 mW/g

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

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

Reference Value = 0.698 V/m; Power Drift = 0.572 dB

Peak SAR (extrapolated) = 0.031 W/kg

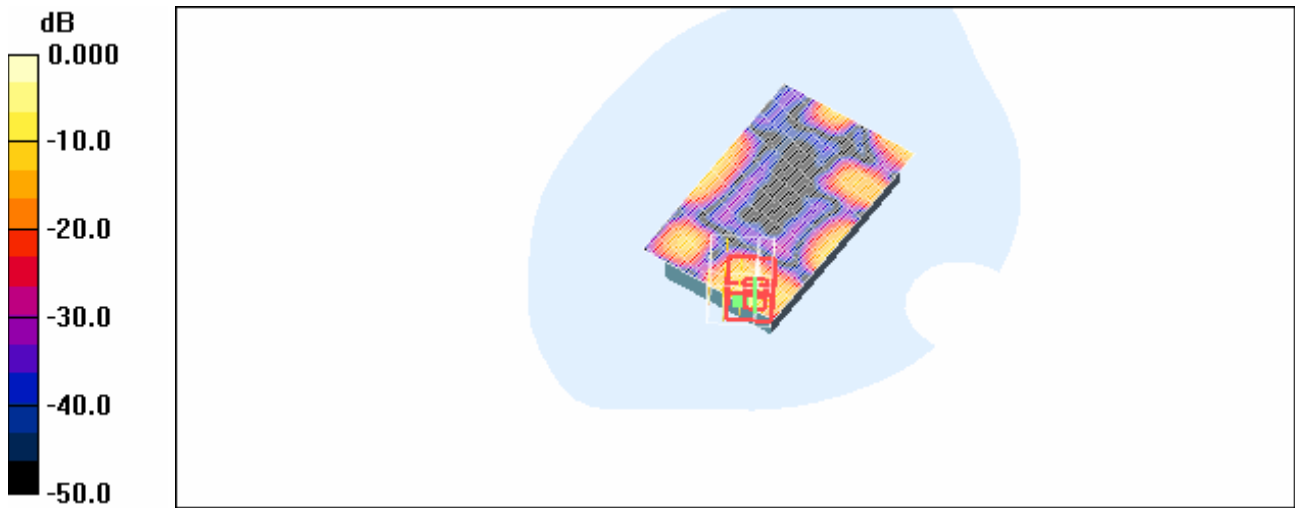
**SAR(1 g) = 0.000926 mW/g; SAR(10 g) = 0.000125 mW/g**

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

Maximum value of SAR (measured) = 0.031 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>33(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.031mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>34(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 30/09/2008 10:12:07 AM

Test Laboratory: RTS

File Name:

[Plastic\\_Holster\\_Front\\_BT\\_mid\\_chan\\_amb\\_temp\\_23.5C\\_liq\\_temp\\_22.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**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;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 = 0.795 V/m; Power Drift = 0.270 dB

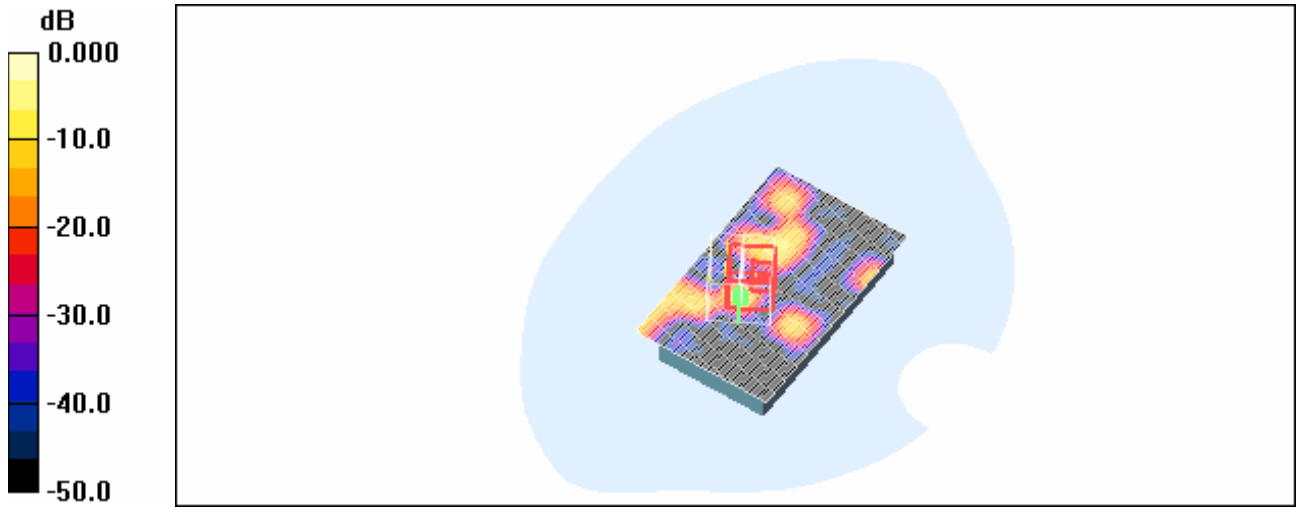
Peak SAR (extrapolated) = 0.023 W/kg

**SAR(1 g) = 0.000376 mW/g; SAR(10 g) = 6.76e-005 mW/g**

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

Maximum value of SAR (measured) = 0.024 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>35(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.024mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>36(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 21/10/2008 3:10:38 PM

Test Laboratory: RTS

File Name:

[Rugged\\_Holster\\_Back\\_BT\\_mid\\_chan\\_amb\\_temp\\_24.1C\\_liq\\_temp\\_23.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**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;  $\sigma = 2.06$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 = 0.797 V/m; Power Drift = 0.238 dB

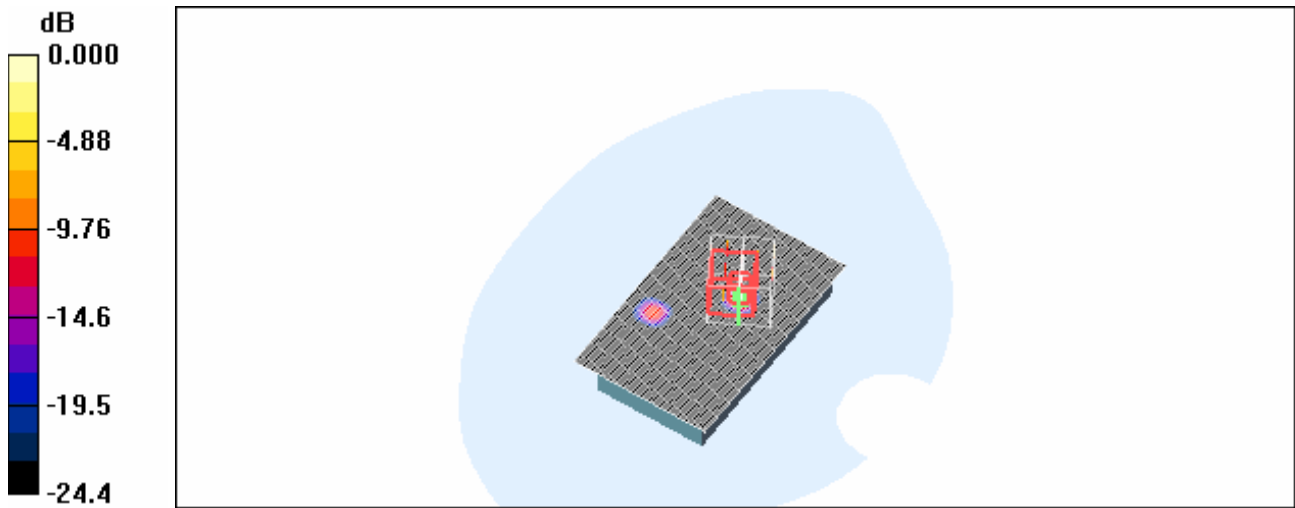
Peak SAR (extrapolated) = 0.030 W/kg

**SAR(1 g) = 0.000829 mW/g; SAR(10 g) = 0.000121 mW/g**

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

Maximum value of SAR (measured) = 0.030 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>37(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.030mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>38(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 3:06:56 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back back 802.11b low chan amb temp 23.3C liq temp 2 2.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 50.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

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

Maximum value of SAR (interpolated) = 0.128 mW/g

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

Reference Value = 5.57 V/m; Power Drift = -0.113 dB

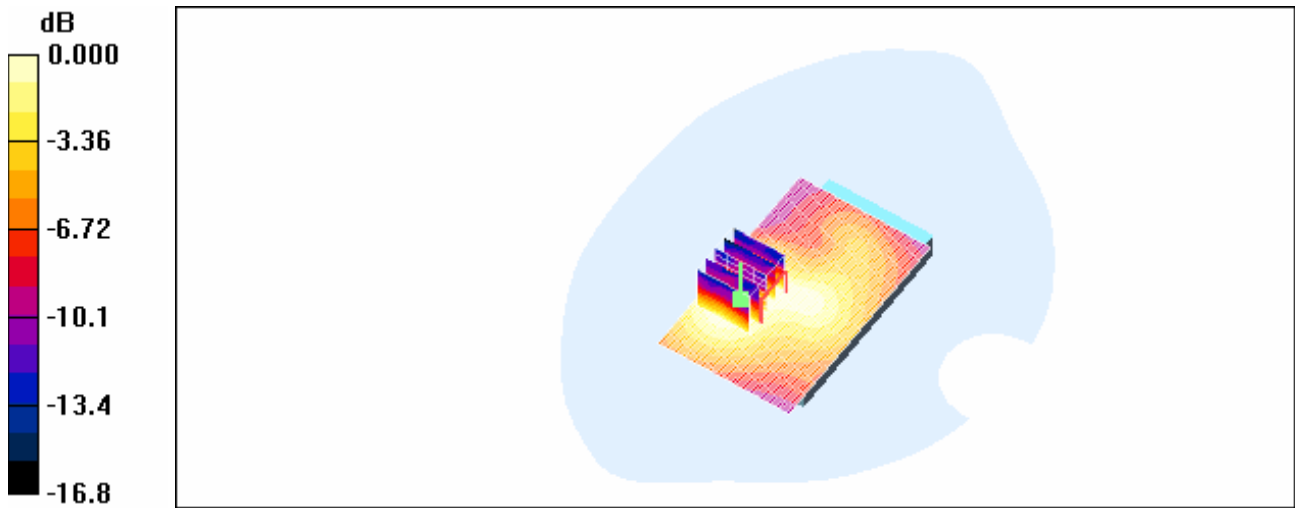
Peak SAR (extrapolated) = 0.228 W/kg

**SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.065 mW/g**

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

Maximum value of SAR (measured) = 0.119 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>39(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.119mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>40(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 3:23:02 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back\\_back\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_23.0C\\_liq\\_temp\\_2.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.03$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 0.121 mW/g

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

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

Reference Value = 5.92 V/m; Power Drift = -0.353 dB

Peak SAR (extrapolated) = 0.152 W/kg

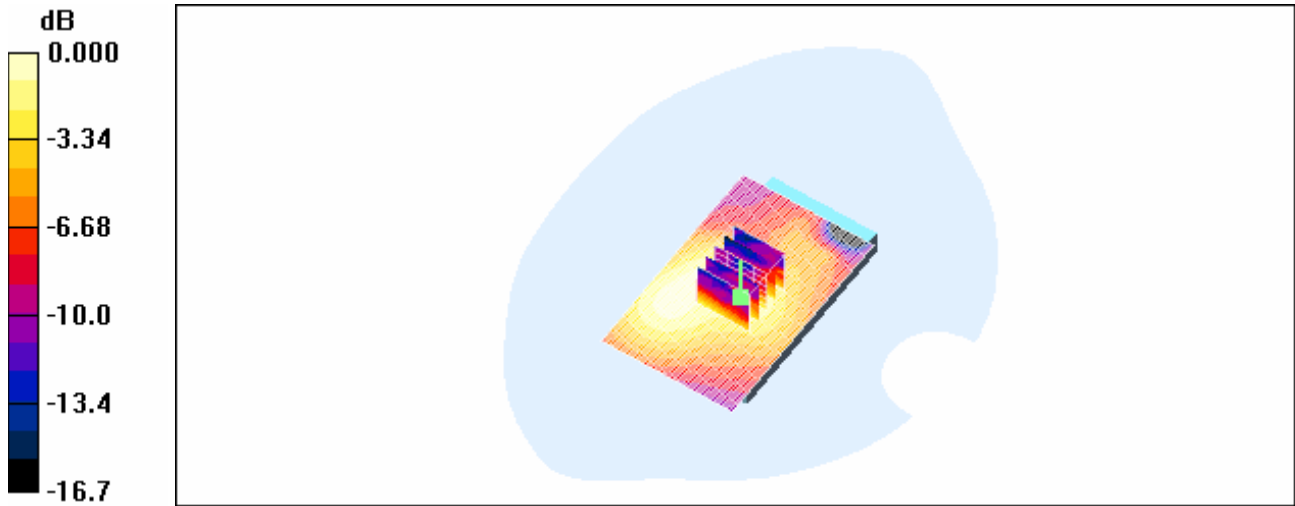
**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.052 mW/g**

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

Maximum value of SAR (measured) = 0.122 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>41(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.122mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>42(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 3:41:55 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back back 802.11b high chan amb temp 23.1C liq temp 2 2.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.139 mW/g

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

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

Reference Value = 6.67 V/m; Power Drift = -0.332 dB

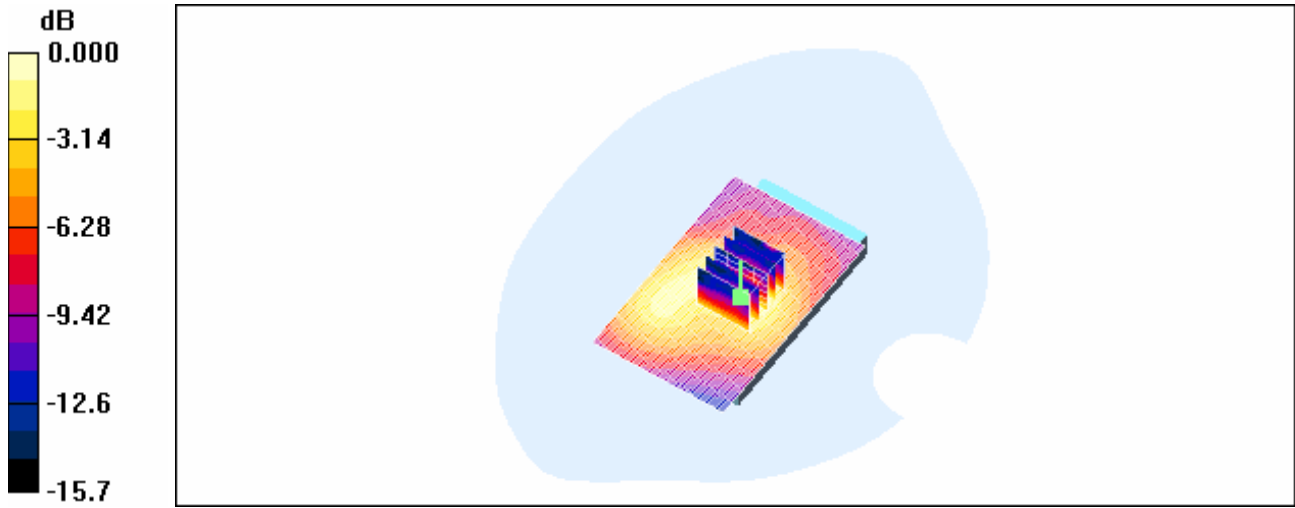
Peak SAR (extrapolated) = 0.156 W/kg

**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.055 mW/g**

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

Maximum value of SAR (measured) = 0.135 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>43(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.135mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>44(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 4:02:00 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Back Headset 802.11b\\_high\\_chan\\_amb\\_temp\\_23.1C\\_liq\\_tem\\_p\\_22.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.093 mW/g

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

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

Reference Value = 5.19 V/m; Power Drift = -0.122 dB

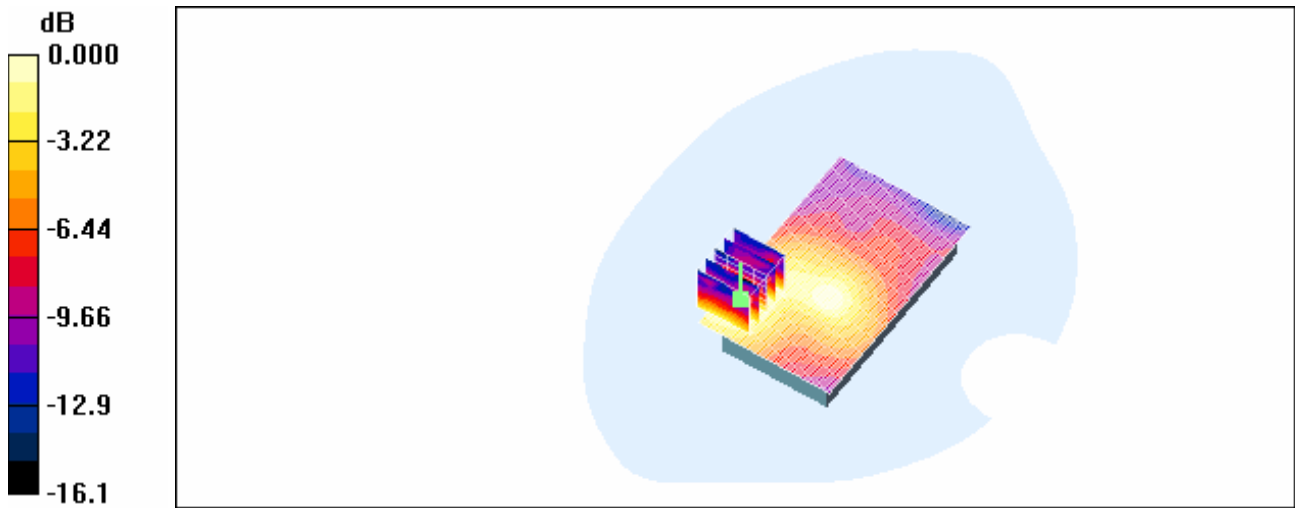
Peak SAR (extrapolated) = 0.157 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.047 mW/g**

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

Maximum value of SAR (measured) = 0.093 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>45(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.093mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>46(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 4:21:30 PM

Test Laboratory: RTS

File Name:

[Leather Swivel Holster Front 802.11b\\_high\\_chan\\_amb\\_temp\\_22.8C\\_liq\\_temp\\_21.9C\\_da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

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

Reference Value = 3.56 V/m; Power Drift = -0.353 dB

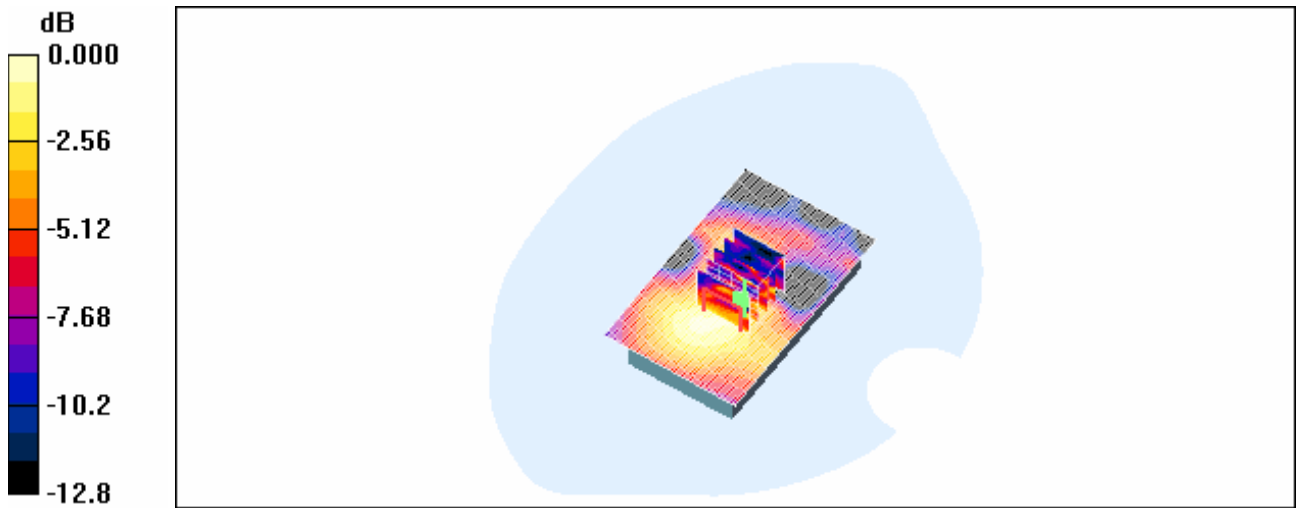
Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.012 mW/g**

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

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

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>47(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.032mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>48(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 4:36:52 PM

Test Laboratory: RTS

File Name:

[Plastic\\_Holster\\_Front\\_802.11b\\_high\\_chan\\_amb\\_temp\\_22.8C\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.042 mW/g

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

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

Reference Value = 3.16 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 0.130 W/kg

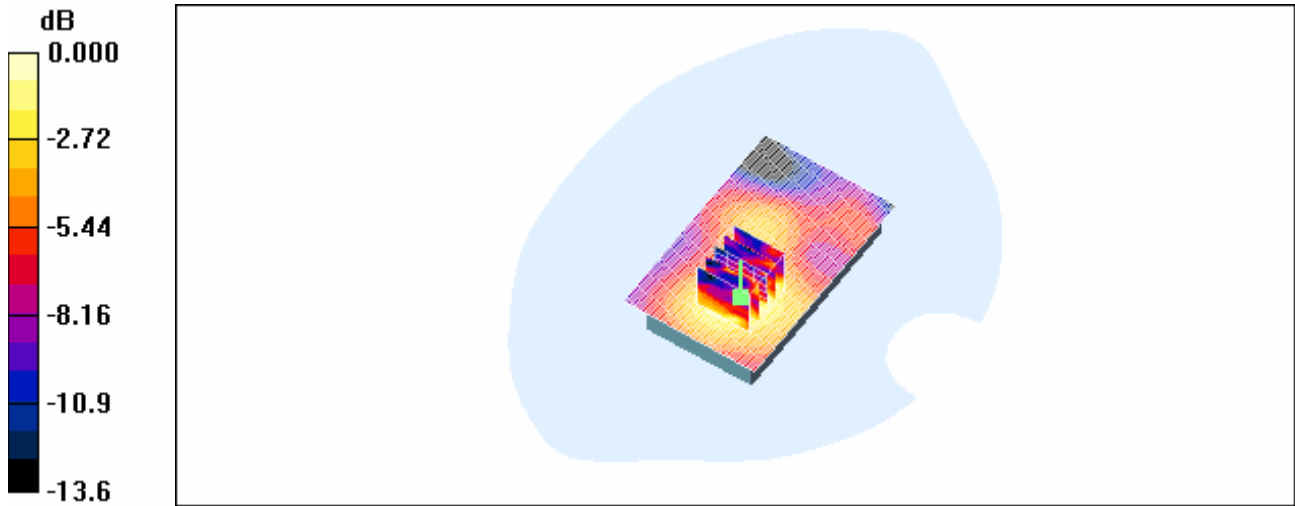
**SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.014 mW/g**

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

Maximum value of SAR (measured) = 0.044 mW/g



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>49(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.044mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>50(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 21/10/2008 1:38:24 PM

Test Laboratory: RTS

File Name:

[Rugged\\_Holster\\_Back\\_back\\_802.11b\\_low\\_chan\\_amb\\_temp\\_24.3C\\_liq\\_temp\\_23.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - Low/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.166 mW/g

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

Reference Value = 7.73 V/m; Power Drift = -0.176 dB

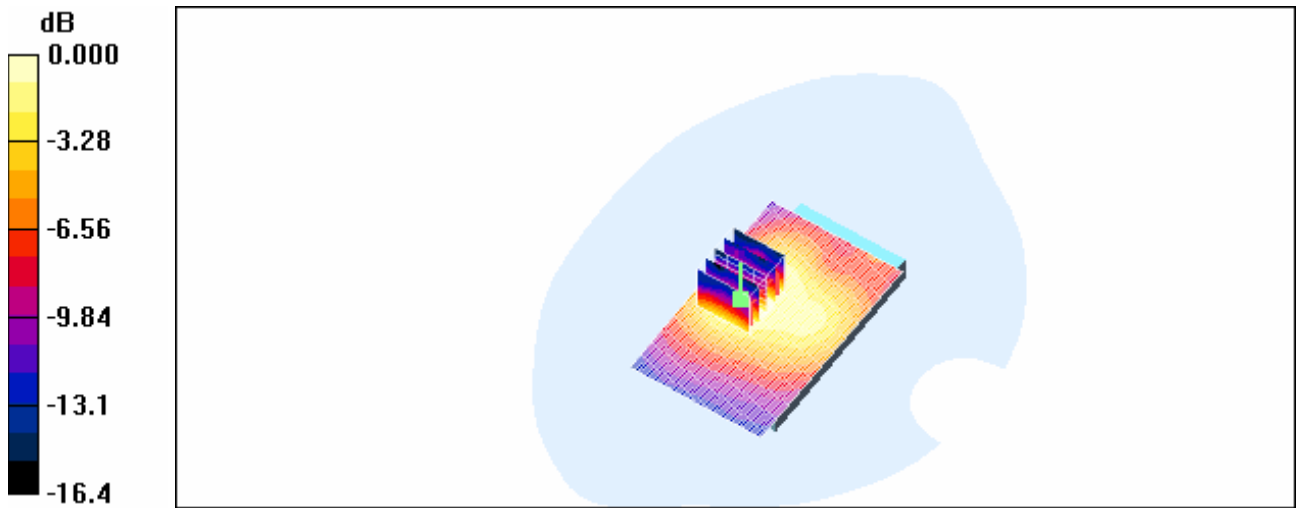
Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.085 mW/g**

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

Maximum value of SAR (measured) = 0.164 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>51(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.164mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>52(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 21/10/2008 1:55:12 PM

Test Laboratory: RTS

File Name:

[Rugged Holster Back back 802.11b mid\\_chan\\_amb\\_temp 23.9C\\_liq\\_temp 22.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.05$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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) = 0.153 mW/g

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

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

Reference Value = 7.96 V/m; Power Drift = -0.638 dB

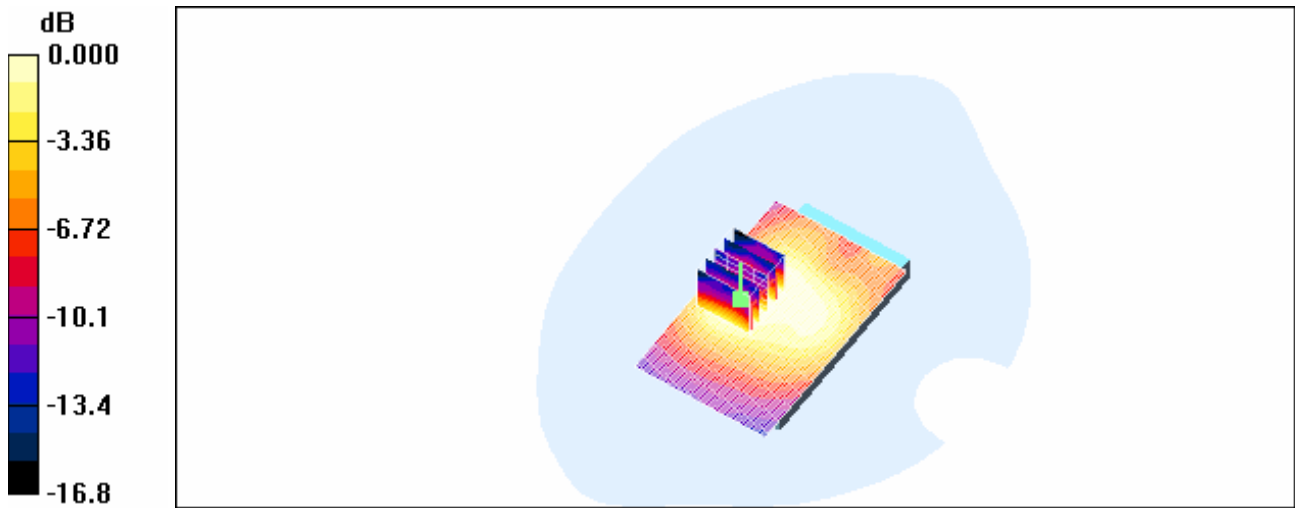
Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.072 mW/g**

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

Maximum value of SAR (measured) = 0.136 mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>53(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.136mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>54(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 21/10/2008 2:11:23 PM

Test Laboratory: RTS

File Name:

[Rugged Holster Back back 802.11b high chan amb temp 23.3C liq temp 22.0C.da](#)  
[4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.09$  mho/m;  $\epsilon_r = 50.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.157 mW/g

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

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

Reference Value = 8.16 V/m; Power Drift = -0.533 dB

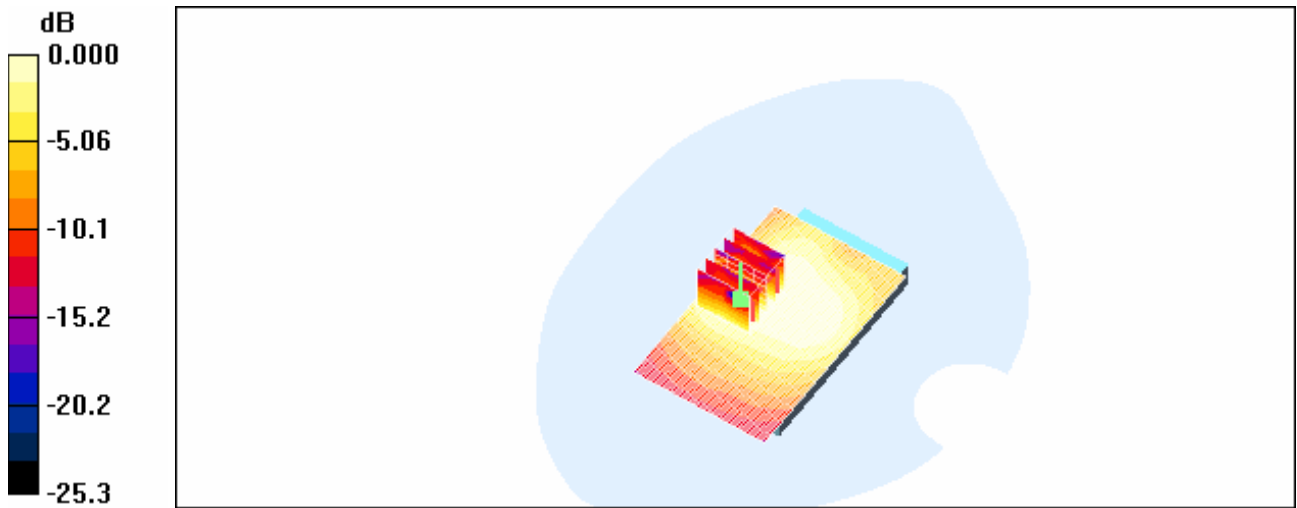
Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.074 mW/g**

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

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

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN</b> <b>SAR Report</b>		Page <b>55(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.141mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>56(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

Date/Time: 06/10/2008 4:52:42 PM

Test Laboratory: RTS

File Name: [25mm\\_Back\\_802.11b\\_high\\_chan\\_amb\\_temp\\_22.8C\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Body worn)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.07$  mho/m;  $\epsilon_r = 50$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(4.52, 4.52, 4.52); 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 - High/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

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

Reference Value = 4.81 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.074 W/kg

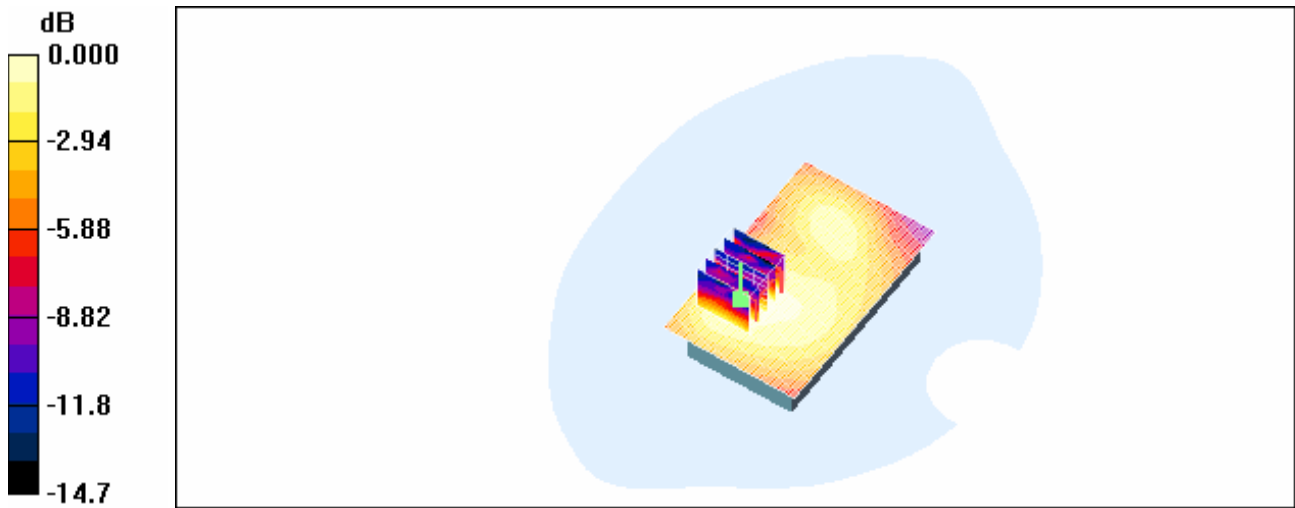
**SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.031 mW/g**

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

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



<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>57(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>



0 dB = 0.065mW/g

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>58(58)</b>
	Author Data <b>Jean-Paul Hacquoil</b>	Dates of Test <b>Sep 23 – Oct 21, 2008</b>	Test Report No <b>RTS-1271-0810-07</b>

**Z axis plots for the worst case body worn configuration:**

