

<b>RTS</b> <b>RIM Testing Services</b>	Document <b>Appendix for the BlackBerry® Smartphone Model RCD21IN SAR Report</b>		Page <b>1(50)</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 B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION**

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Date/Time: 23/09/2008 11:06:54 AM

Test Laboratory: RTS

File Name: [LeftHandSide iDEN800 2-slot low chan amb temp 23 9 liq temp 22 6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 806.013 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 806.013$  MHz;  $\sigma = 0.837$  mho/m;  $\epsilon_r = 41.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.888 mW/g

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

Reference Value = 12.7 V/m; Power Drift = -0.384 dB

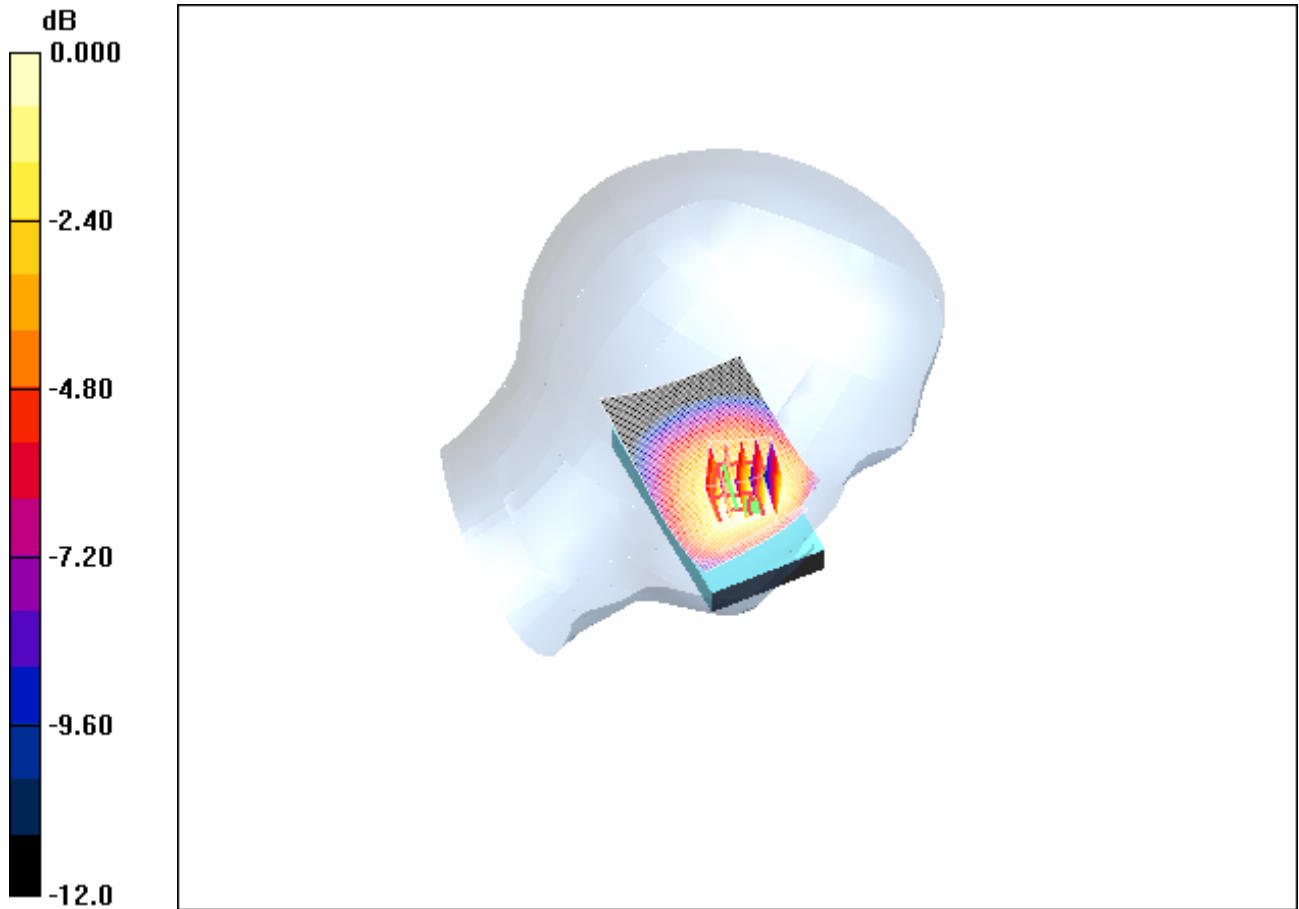
Peak SAR (extrapolated) = 0.964 W/kg

**SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.584 mW/g**

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

Maximum value of SAR (measured) = 0.807 mW/g

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0 dB = 0.807mW/g

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Date/Time: 23/09/2008 11:48:16 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_iDEN800\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_24.0\\_liq\\_temp\\_22.3C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.844 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Touch position - Mid/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) = 0.879 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 9.91 V/m; Power Drift = -0.083 dB

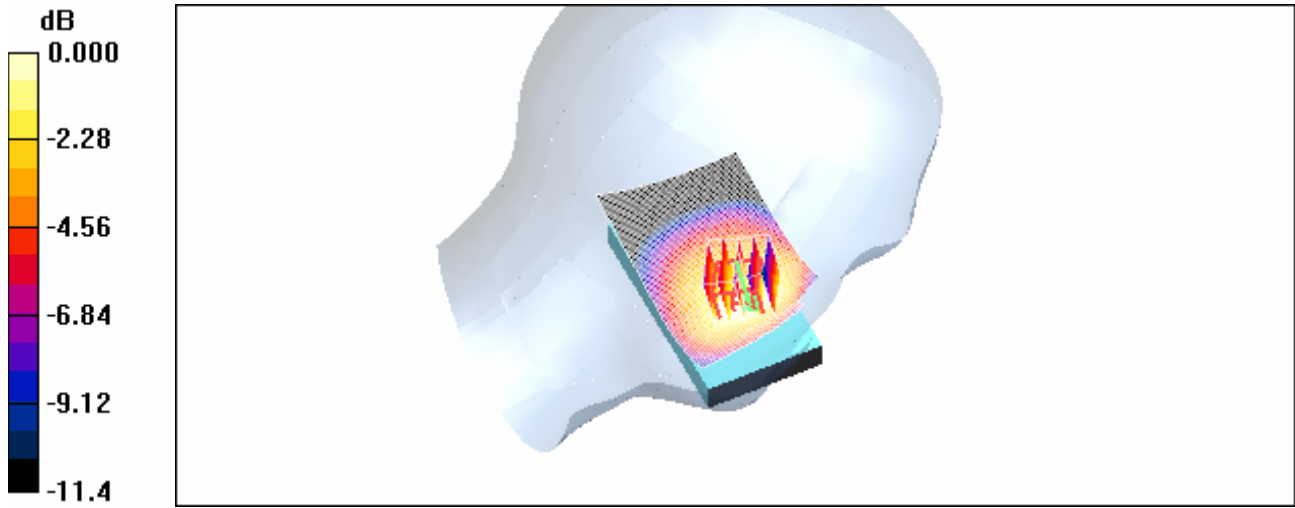
Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.598 mW/g**

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

Maximum value of SAR (measured) = 0.835 mW/g

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0 dB = 0.835mW/g

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Date/Time: 23/09/2008 12:06:16 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_iDEN800\\_2-slot\\_high\\_chan\\_amb\\_temp\\_22.3\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.856$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (interpolated) = 0.932 mW/g

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

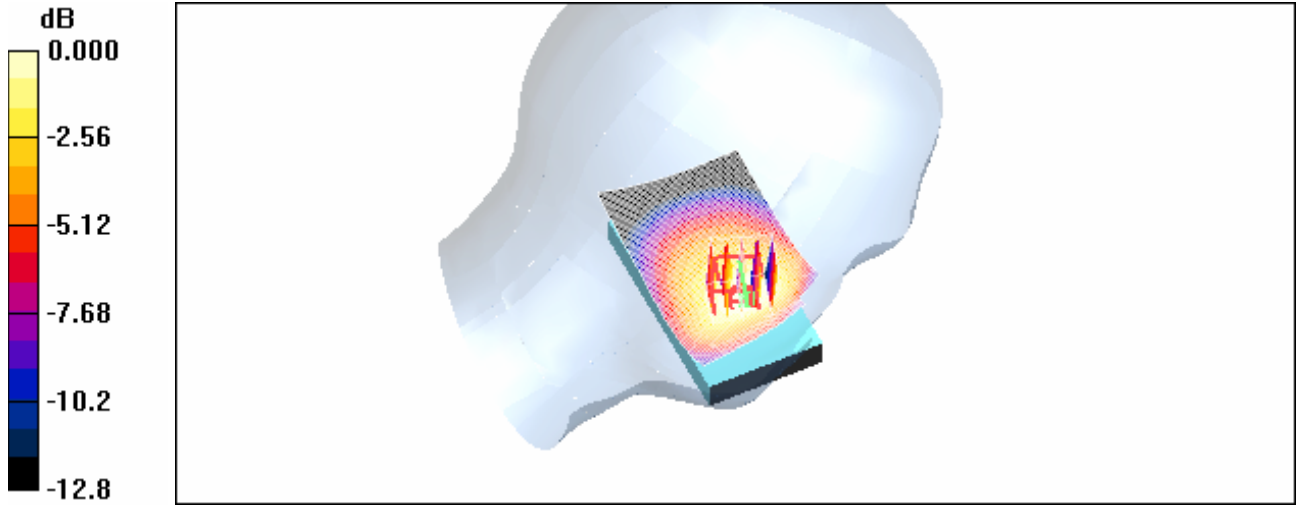
Reference Value = 13.2 V/m; Power Drift = -0.070 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.877 mW/g; SAR(10 g) = 0.642 mW/g**

Maximum value of SAR (measured) = 0.946 mW/g

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0 dB = 0.946mW/g

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Date/Time: 23/09/2008 12:25:19 PM

Test Laboratory: RTS

File Name: [LeftHandSide Tilt iDEN800 2-slot\\_high\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.856$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (interpolated) = 0.453 mW/g

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

Reference Value = 15.6 V/m; Power Drift = -0.105 dB

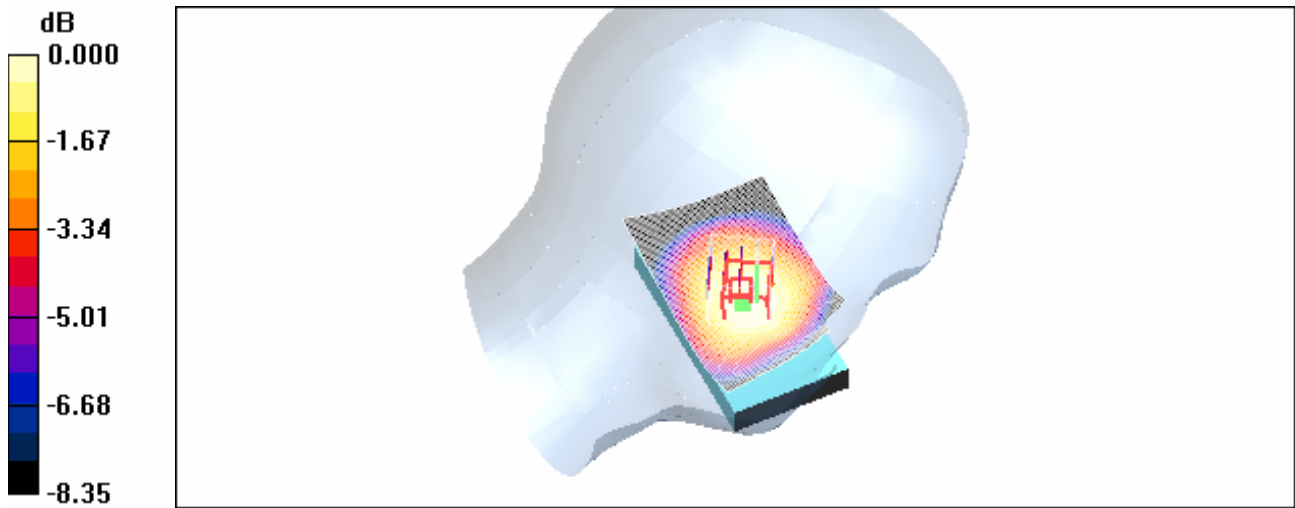
Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.334 mW/g**

Maximum value of SAR (measured) = 0.451 mW/g



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0 dB = 0.451mW/g

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Date/Time: 24/09/2008 10:20:38 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_iDEN800\\_2-slot\\_low\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_22.2C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 806.013 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 806.013 \text{ MHz}$ ;  $\sigma = 0.837 \text{ mho/m}$ ;  $\epsilon_r = 41.7$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.945 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 13.8 V/m; Power Drift = 0.076 dB

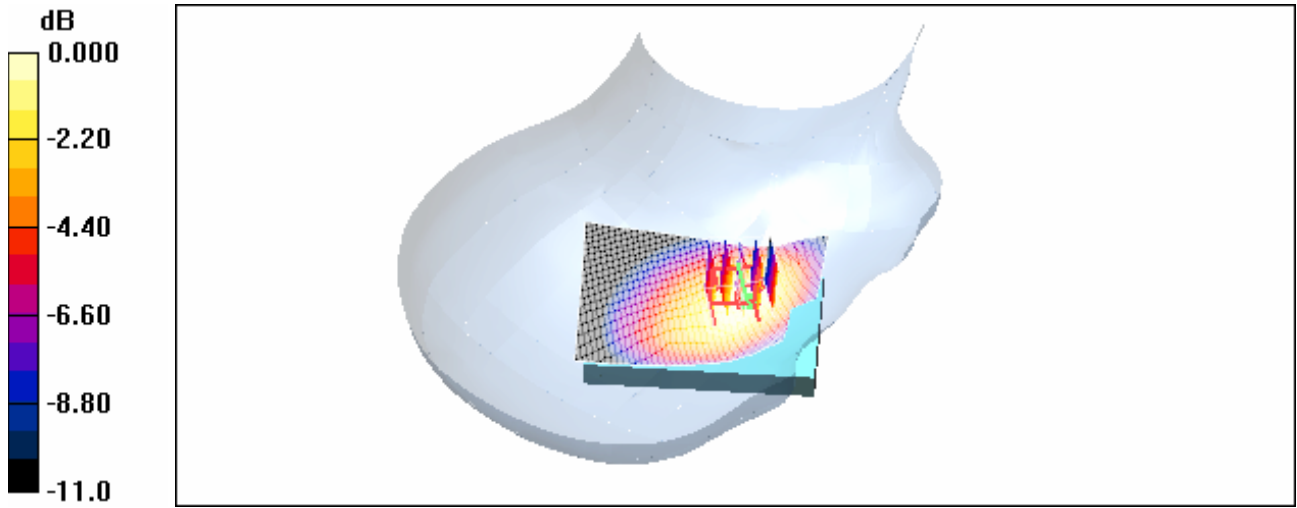
Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.626 mW/g**

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

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

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0 dB = 0.944mW/g

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Date/Time: 23/09/2008 2:10:56 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_iDEN800\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_21.7\\_liq\\_temp\\_21.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.844 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Touch position - Mid/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) = 0.837 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 10.2 V/m; Power Drift = -0.372 dB

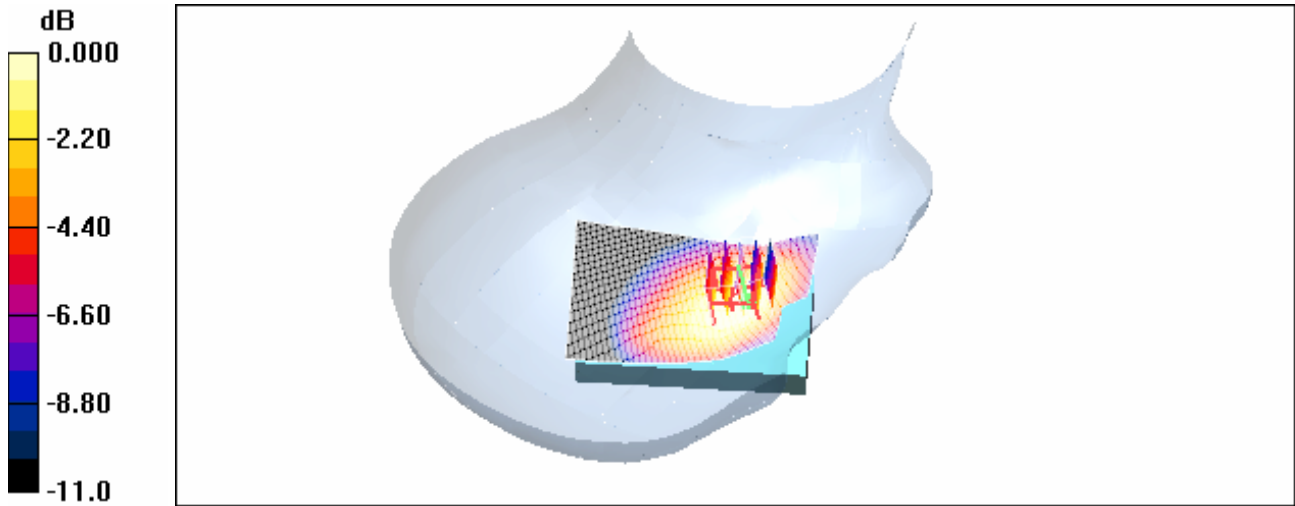
Peak SAR (extrapolated) = 0.952 W/kg

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.552 mW/g**

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

Maximum value of SAR (measured) = 0.802 mW/g

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0 dB = 0.802mW/g

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Date/Time: 24/09/2008 10:37:10 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_iDEN800\\_2-slot\\_high\\_chan\\_amb\\_temp\\_22.4\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 824.987 MHz; Duty Cycle: 1:3  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.856$  mho/m;  $\epsilon_r = 41.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

Maximum value of SAR (interpolated) = 0.928 mW/g

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

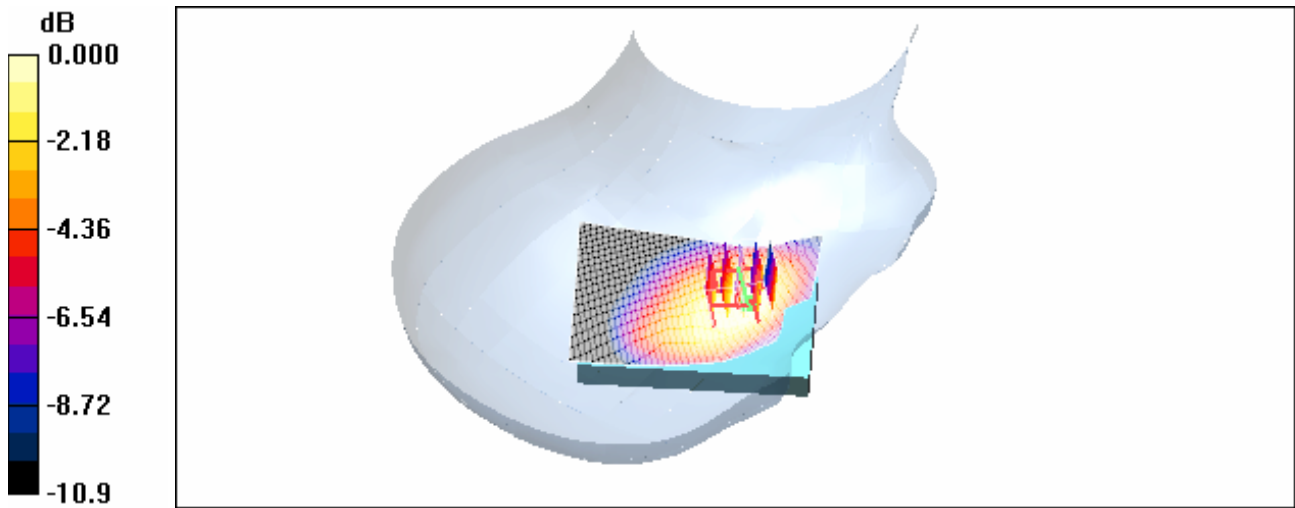
Reference Value = 10.8 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.593 mW/g**

Maximum value of SAR (measured) = 0.854 mW/g

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0 dB = 0.854mW/g

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Date/Time: 23/09/2008 2:34:52 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_Tilt\\_iDEN800\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_22.3\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.844 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Touch position - Mid/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) = 0.452 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 14.3 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 0.523 W/kg

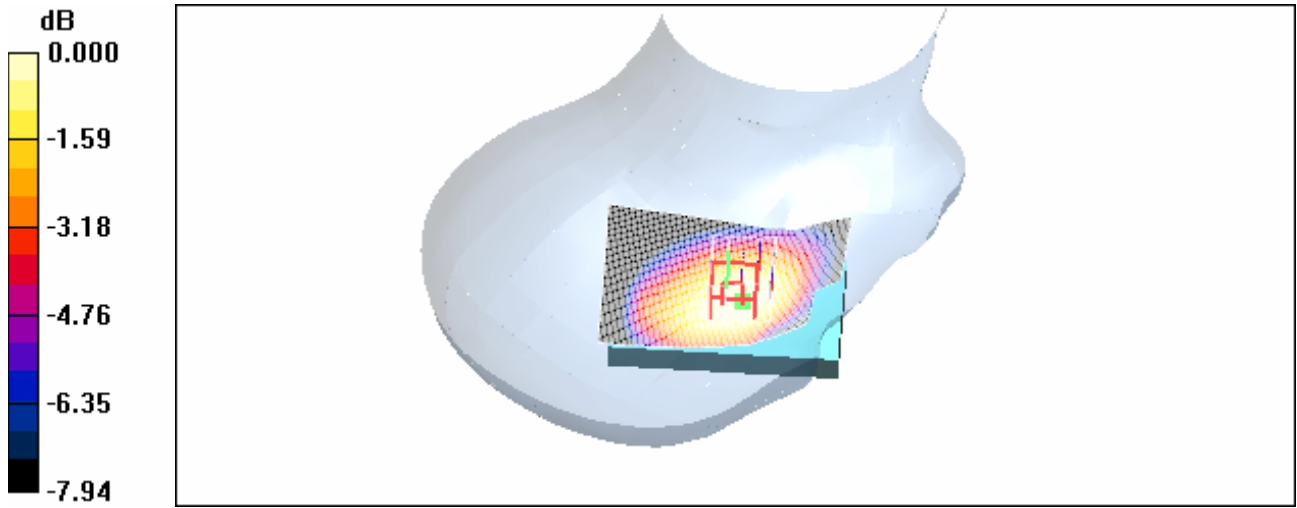
**SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.335 mW/g**

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

Maximum value of SAR (measured) = 0.447 mW/g



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0 dB = 0.447mW/g

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Date/Time: 23/09/2008 3:43:23 PM

Test Laboratory: RTS

File Name: [Head Flat Side 25mm Push to Talk Front iDEN800 2-slot mid chan amb temp 22.2 liq temp 21.4C.da4](#)

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

Communication System: IDEN ; Frequency: 813.5 MHz; Duty Cycle: 1:6  
Medium parameters used (interpolated):  $f = 813.5 \text{ MHz}$ ;  $\sigma = 0.844 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Head-15mm-push to talk - Middle/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.232 mW/g

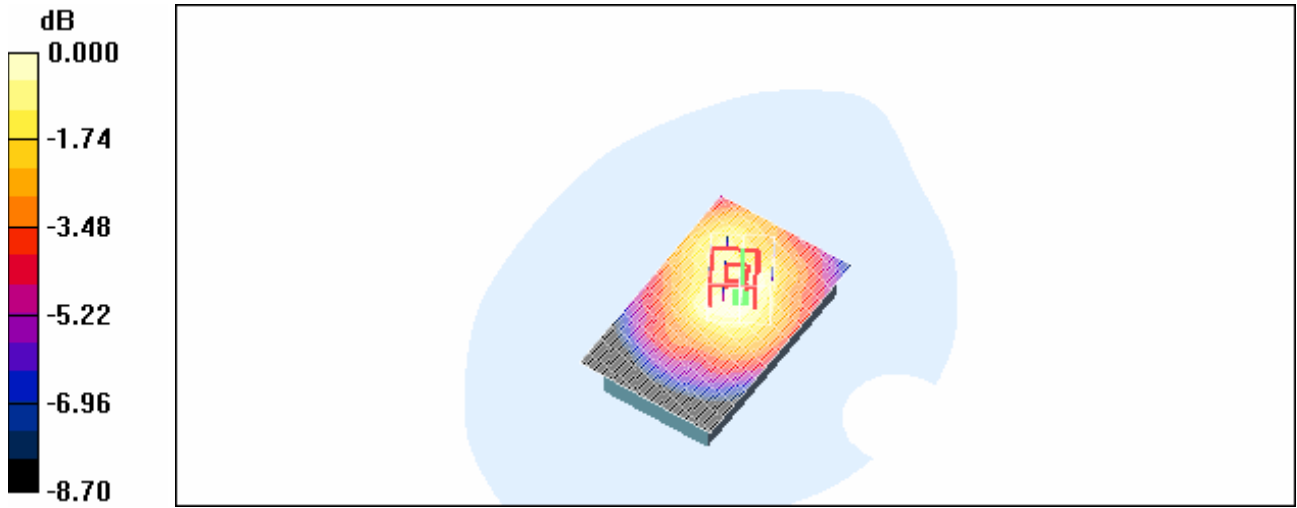
**Head-15mm-push to talk - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 15.8 V/m; Power Drift = -0.058 dB  
Peak SAR (extrapolated) = 0.407 W/kg  
**SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.163 mW/g**

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

Maximum value of SAR (measured) = 0.241 mW/g

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0 dB = 0.241mW/g

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Date/Time: 24/09/2008 11:59:51 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_iDEN900\\_2-slot\\_low\\_chan\\_amb\\_temp\\_21.9\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 896 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 896$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 1.11 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 13.0 V/m; Power Drift = -0.184 dB

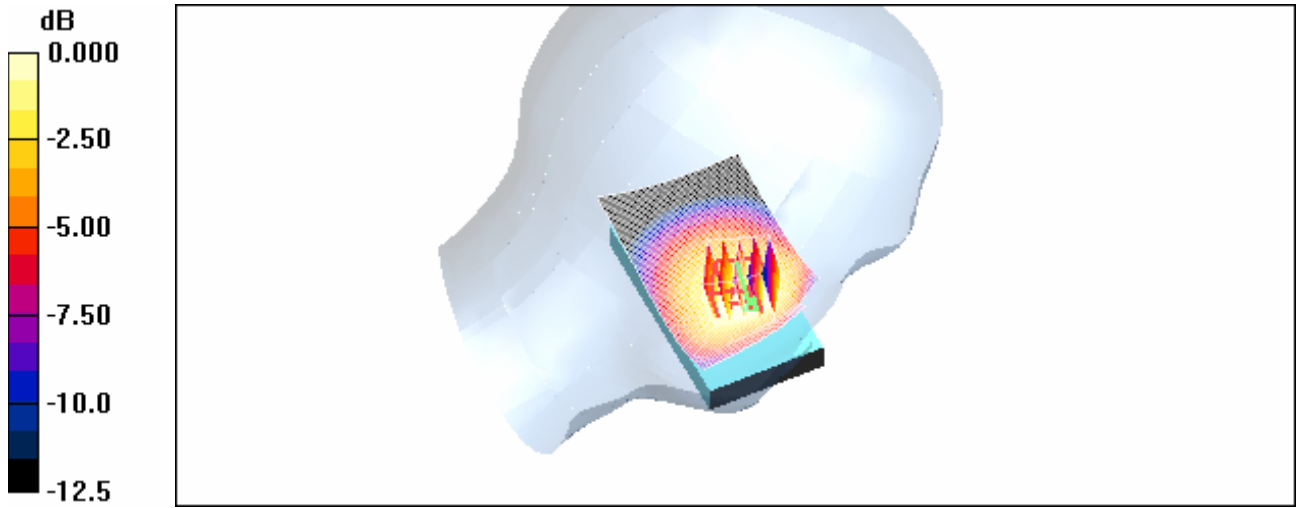
Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.767 mW/g**

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

Maximum value of SAR (measured) = 1.08 mW/g

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0 dB = 1.08mW/g

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Date/Time: 24/09/2008 12:18:02 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_iDEN900\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_21.9\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 1.07 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 15.4 V/m; Power Drift = -0.186 dB

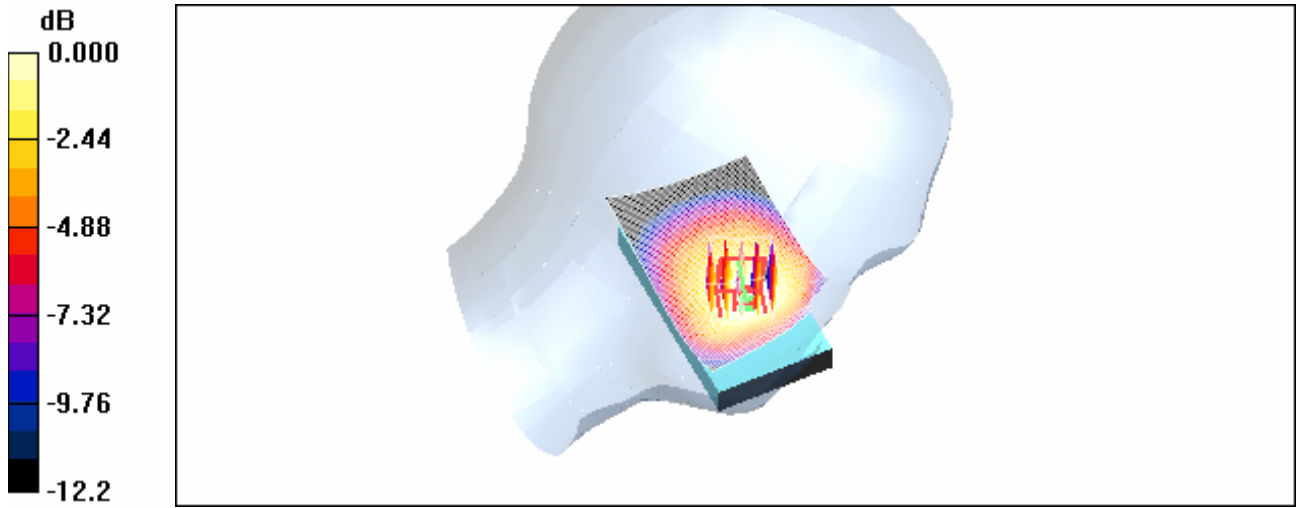
Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.978 mW/g; SAR(10 g) = 0.718 mW/g**

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

Maximum value of SAR (measured) = 1.02 mW/g

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		FCC ID: <b>L6ARCD20IN</b>	



0 dB = 1.02mW/g

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Date/Time: 24/09/2008 1:21:15 PM

Test Laboratory: RTS

File Name: [LeftHandSide\\_iDEN900\\_2-slot\\_high\\_chan\\_amb\\_temp\\_22.3\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 901 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 901$  MHz;  $\sigma = 0.935$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 1.08 mW/g

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

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

Reference Value = 15.5 V/m; Power Drift = -0.466 dB

Peak SAR (extrapolated) = 1.24 W/kg

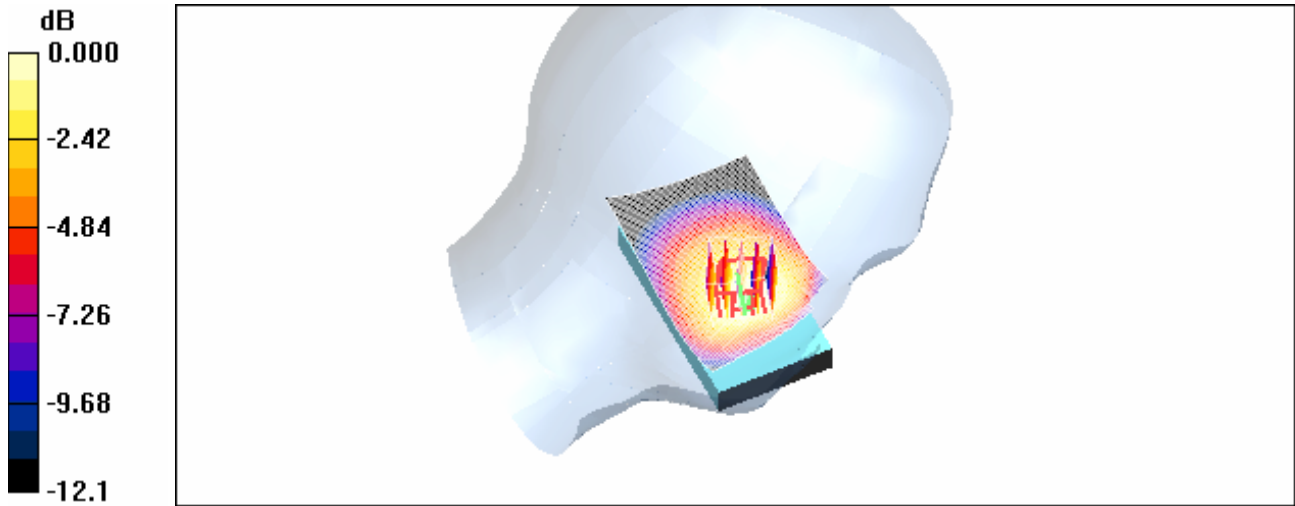
**SAR(1 g) = 0.989 mW/g; SAR(10 g) = 0.729 mW/g**

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

Maximum value of SAR (measured) = 1.05 mW/g



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0 dB = 1.05mW/g

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Date/Time: 24/09/2008 1:42:44 PM

Test Laboratory: RTS

File Name: [LeftHandSide Tilt iDEN900 2-slot\\_high\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 901 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 901$  MHz;  $\sigma = 0.935$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.604 mW/g

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

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

Reference Value = 17.8 V/m; Power Drift = -0.162 dB

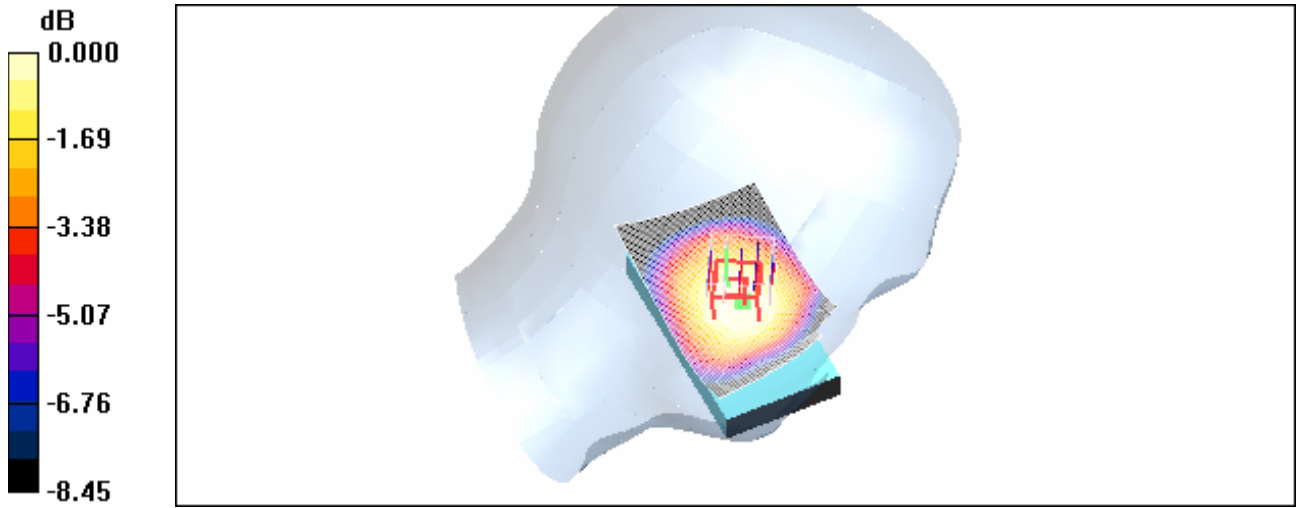
Peak SAR (extrapolated) = 0.697 W/kg

**SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.440 mW/g**

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

Maximum value of SAR (measured) = 0.592 mW/g

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0 dB = 0.592mW/g

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Date/Time: 24/09/2008 2:02:53 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_iDEN900\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_22.2\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 1.09 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 14.7 V/m; Power Drift = -0.150 dB

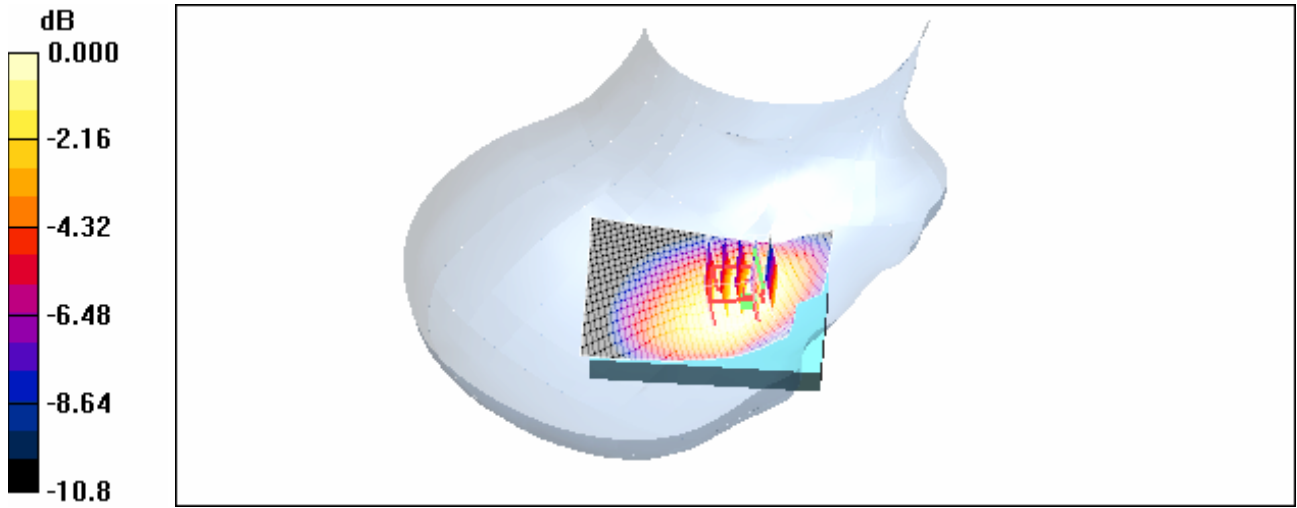
Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.729 mW/g**

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

Maximum value of SAR (measured) = 1.01 mW/g

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0 dB = 1.01mW/g

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Date/Time: 24/09/2008 2:24:54 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_Tilt\\_iDEN900\\_2-slot\\_mid\\_chan\\_amb\\_temp\\_22.9\\_liq\\_temp\\_22.0C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:3  
Medium parameters used (interpolated):  $f = 898.5$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.642 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 18.1 V/m; Power Drift = -0.066 dB

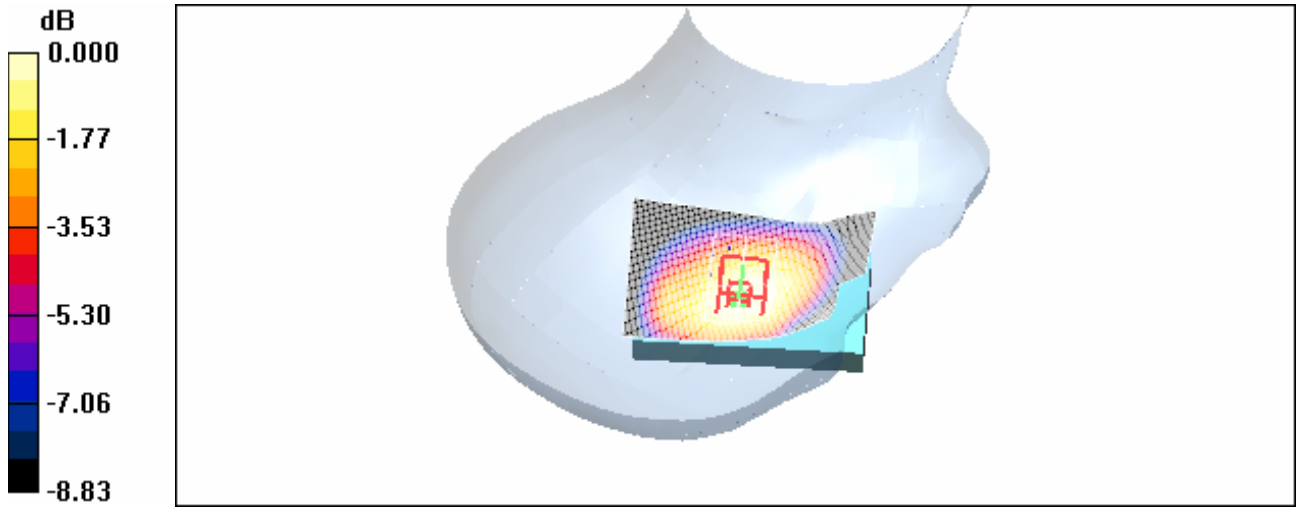
Peak SAR (extrapolated) = 0.726 W/kg

**SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.450 mW/g**

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

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

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0 dB = 0.626mW/g

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Date/Time: 24/09/2008 2:44:06 PM

Test Laboratory: RTS

File Name: [Head Flat Side 25mm Push to Talk Front iDEN900 2-slot mid chan amb temp 22.2 liq temp 21.7C.da4](#)

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

Communication System: IDEN 900; Frequency: 898.5 MHz; Duty Cycle: 1:6  
Medium parameters used (interpolated):  $f = 898.5$  MHz;  $\sigma = 0.924$  mho/m;  $\epsilon_r = 40.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1642; ConvF(6.42, 6.42, 6.42); Calibrated: 18/01/2008
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 05/03/2008
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Head-25mm-push to talk - Middle/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.312 mW/g

**Head-25mm-push to talk - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:**

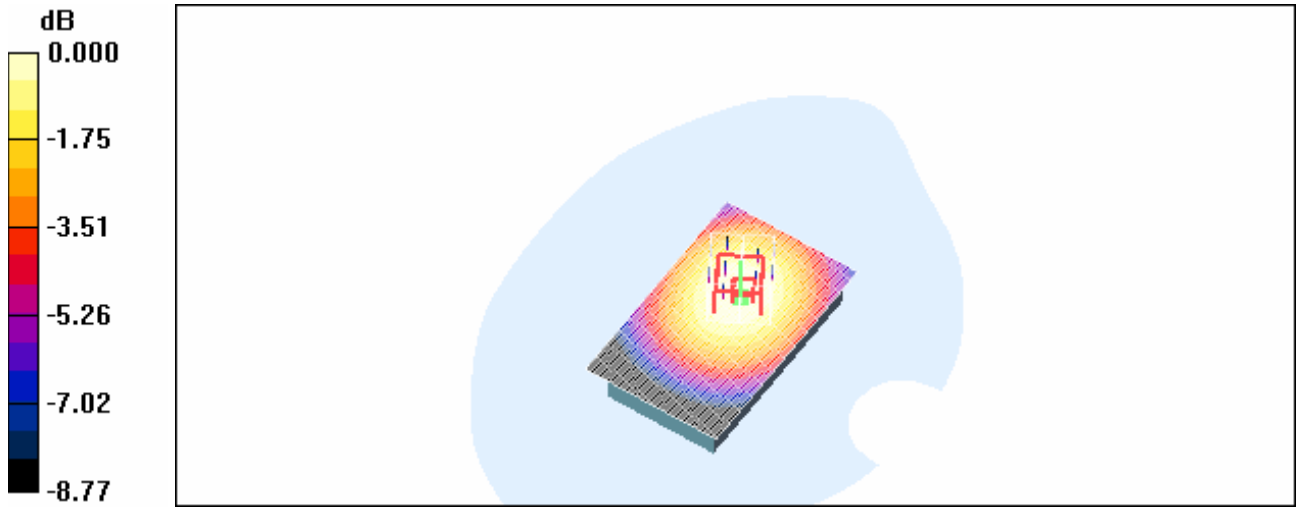
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 17.9 V/m; Power Drift = -0.114 dB  
Peak SAR (extrapolated) = 0.370 W/kg  
**SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.214 mW/g**

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

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



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0 dB = 0.309mW/g

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Date/Time: 30/09/2008 8:55:23 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_BT\\_mid\\_chan\\_amb\\_temp\\_22.2\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Touch position - Mid/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

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 0.897 V/m; Power Drift = -0.033 dB

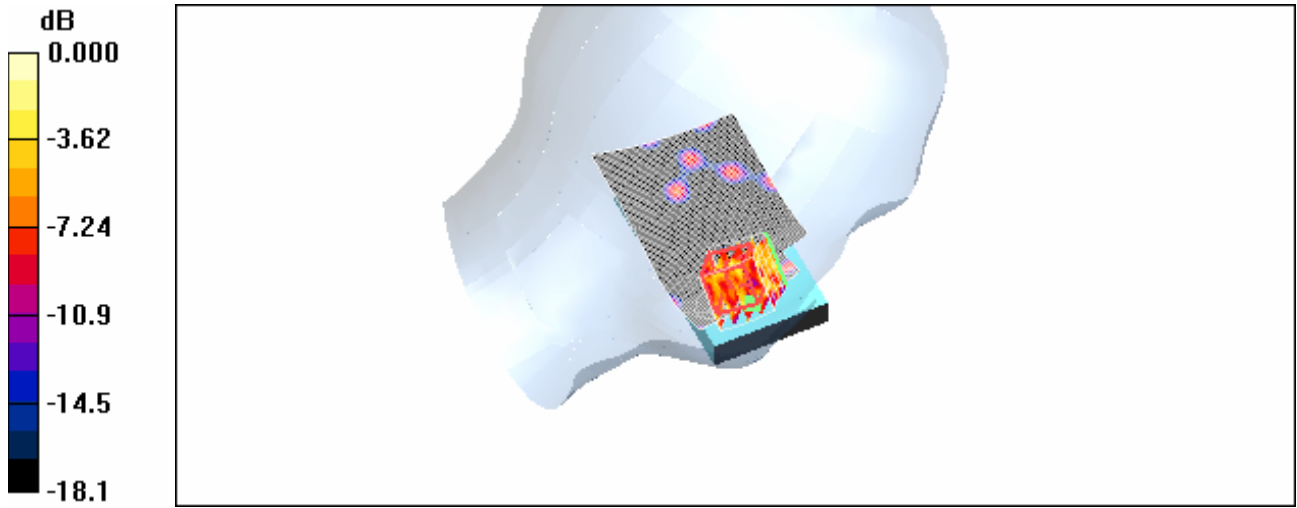
Peak SAR (extrapolated) = 0.010 W/kg

**SAR(1 g) = 0.000195 mW/g; SAR(10 g) = 3.65e-005 mW/g**

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

Maximum value of SAR (measured) = 0.010 mW/g

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0 dB = 0.010mW/g

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Date/Time: 30/09/2008 9:19:36 AM

Test Laboratory: RTS

File Name: [RightHandSide\\_BT\\_mid\\_chan\\_amb\\_temp\\_22.2\\_liq\\_temp\\_21.8C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A0B**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

**Touch position - Mid/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

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

Reference Value = 0.967 V/m; Power Drift = 0.390 dB

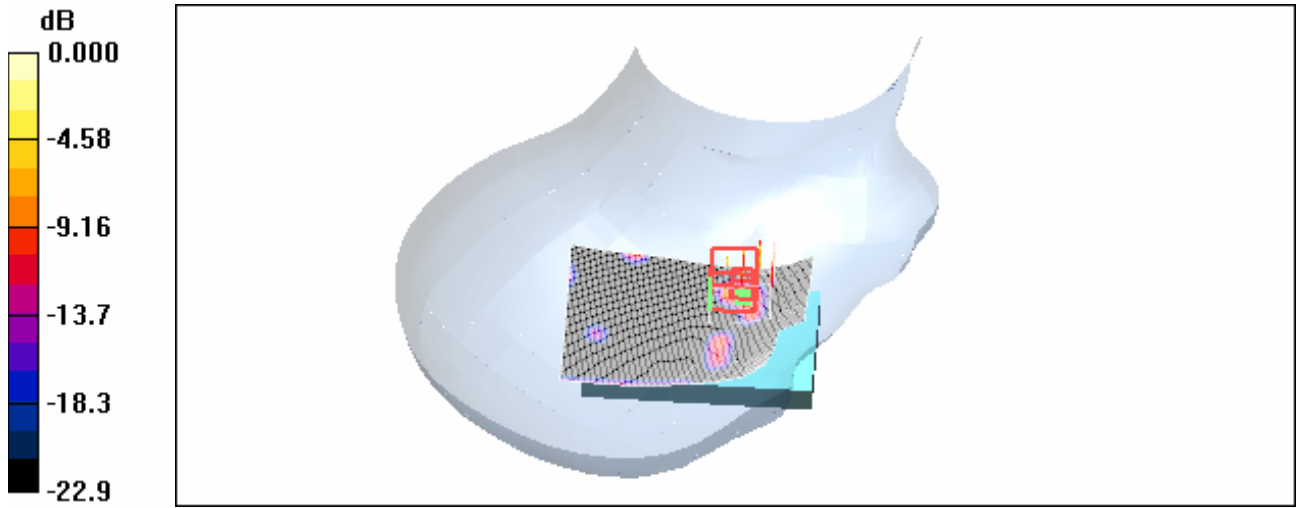
Peak SAR (extrapolated) = 0.026 W/kg

**SAR(1 g) = 0.000573 mW/g; SAR(10 g) = 9.58e-005 mW/g**

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

Maximum value of SAR (measured) = 0.026 mW/g

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0 dB = 0.026mW/g

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Date/Time: 06/10/2008 10:55:56 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_802.11b\\_low\\_chan\\_amb\\_temp\\_22.8\\_liq\\_temp\\_22.1C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.91$  mho/m;  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.168 mW/g

**Touch position - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 8.95 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.071 mW/g**

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

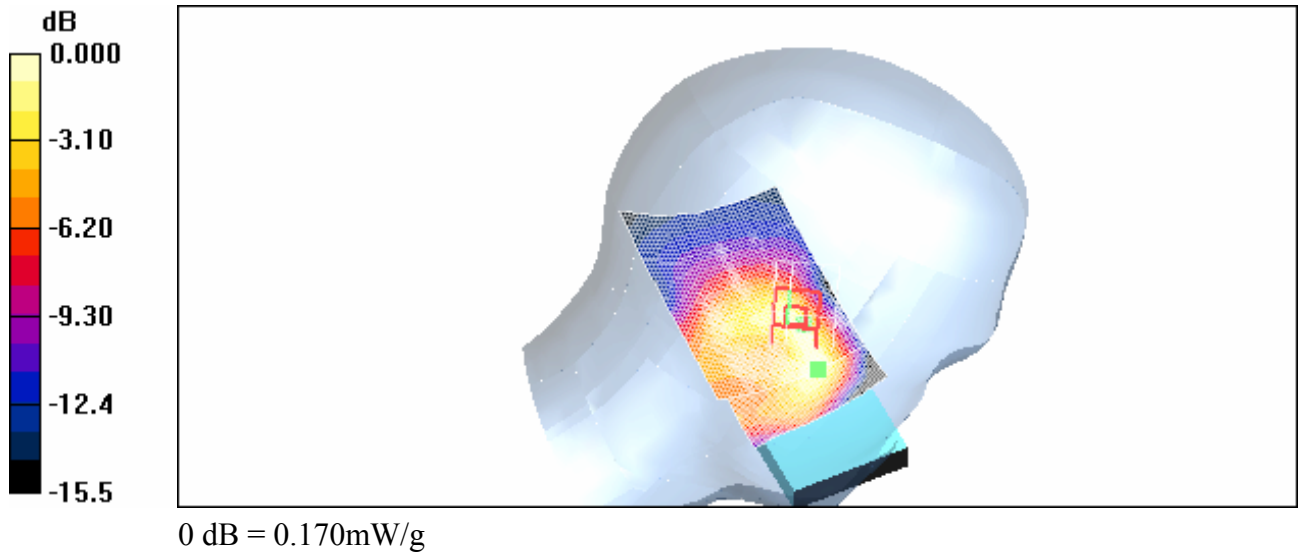
Maximum value of SAR (measured) = 0.141 mW/g

**Touch position - Low/Area Scan 2 (41x51x1):** Measurement grid: dx=20mm, dy=20mm

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

Maximum value of SAR (interpolated) = 0.170 mW/g



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Date/Time: 06/10/2008 11:34:18 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_802.11b\\_mid\\_chan\\_amb\\_temp\\_22.7\\_liq\\_temp\\_21.9C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 37.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.142 mW/g

**Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

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

Reference Value = 8.03 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 0.378 W/kg

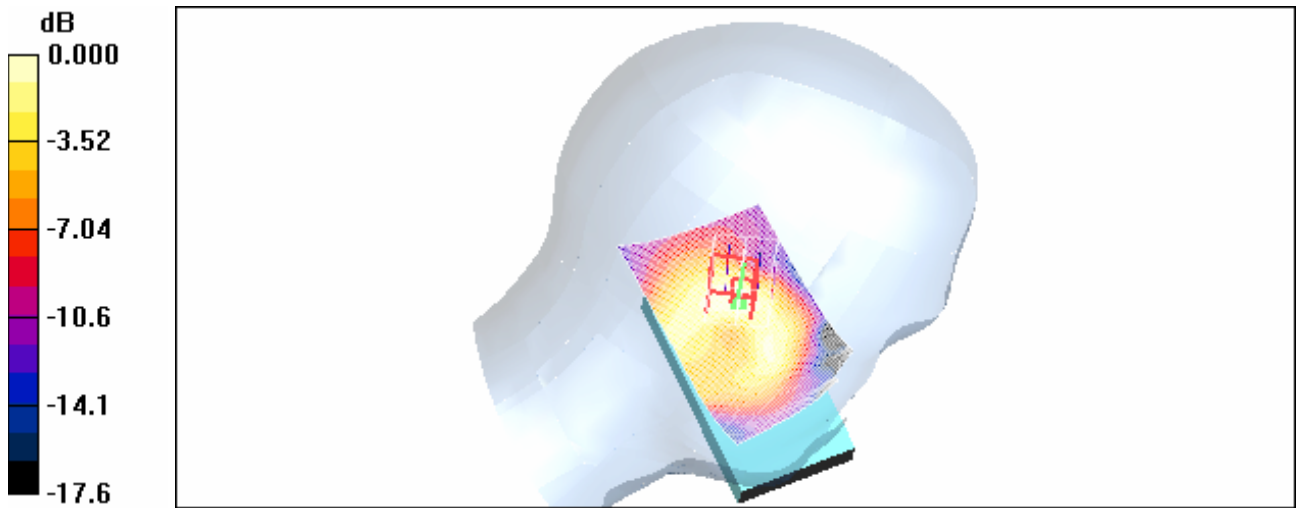
**SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.063 mW/g**

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

Maximum value of SAR (measured) = 0.133 mW/g



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0 dB = 0.133mW/g

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Date/Time: 06/10/2008 11:52:21 AM

Test Laboratory: RTS

File Name: [LeftHandSide\\_802.11b\\_high\\_chan\\_amb\\_temp\\_22.6\\_liq\\_temp\\_21.7C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.148 mW/g

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

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

Reference Value = 8.43 V/m; Power Drift = -0.548 dB

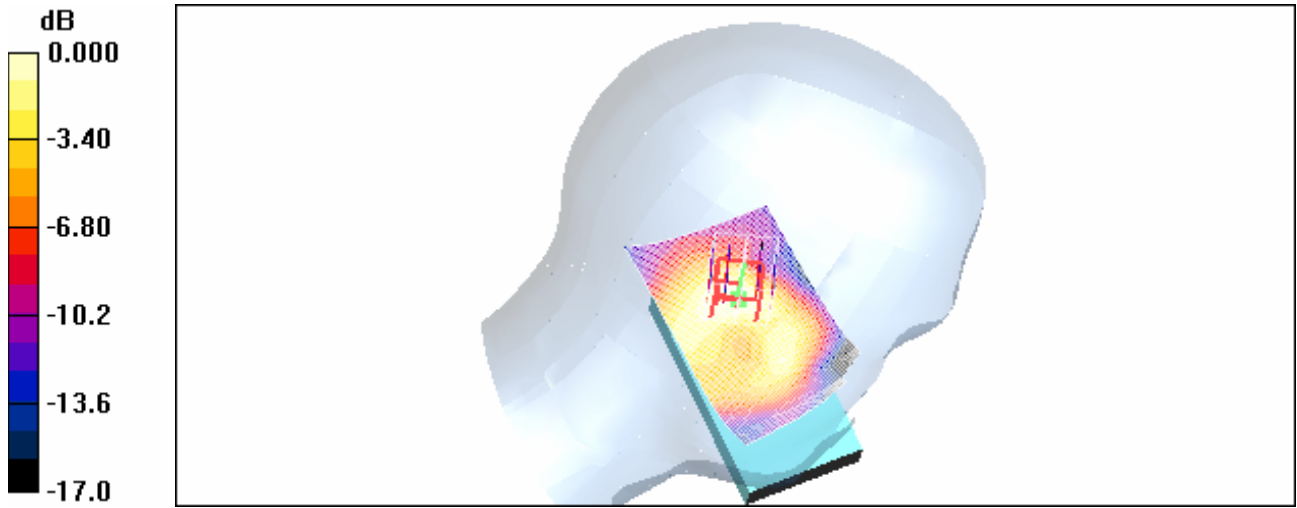
Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.064 mW/g**

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

Maximum value of SAR (measured) = 0.130 mW/g

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Date/Time: 06/10/2008 12:14:53 PM

Test Laboratory: RTS

File Name:

[LeftHandSide\\_Tilt\\_802.11b\\_high\\_chan\\_amb\\_temp\\_22.5\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.140 mW/g

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

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

Reference Value = 9.03 V/m; Power Drift = -0.538 dB

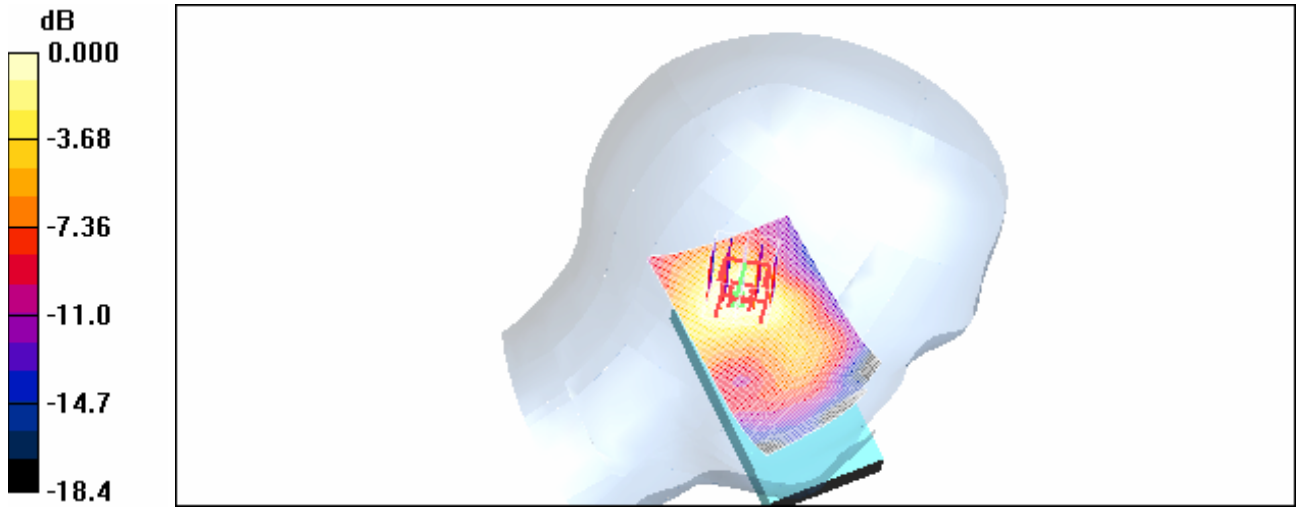
Peak SAR (extrapolated) = 0.234 W/kg

**SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.064 mW/g**

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

Maximum value of SAR (measured) = 0.132 mW/g

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0 dB = 0.132mW/g

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Date/Time: 06/10/2008 2:05:26 PM

Test Laboratory: RTS

File Name: [RightHandSide\\_802.11b\\_high\\_chan\\_amb\\_temp\\_23.0\\_liq\\_temp\\_21.4C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.177 mW/g

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

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

Reference Value = 7.04 V/m; Power Drift = 0.114 dB

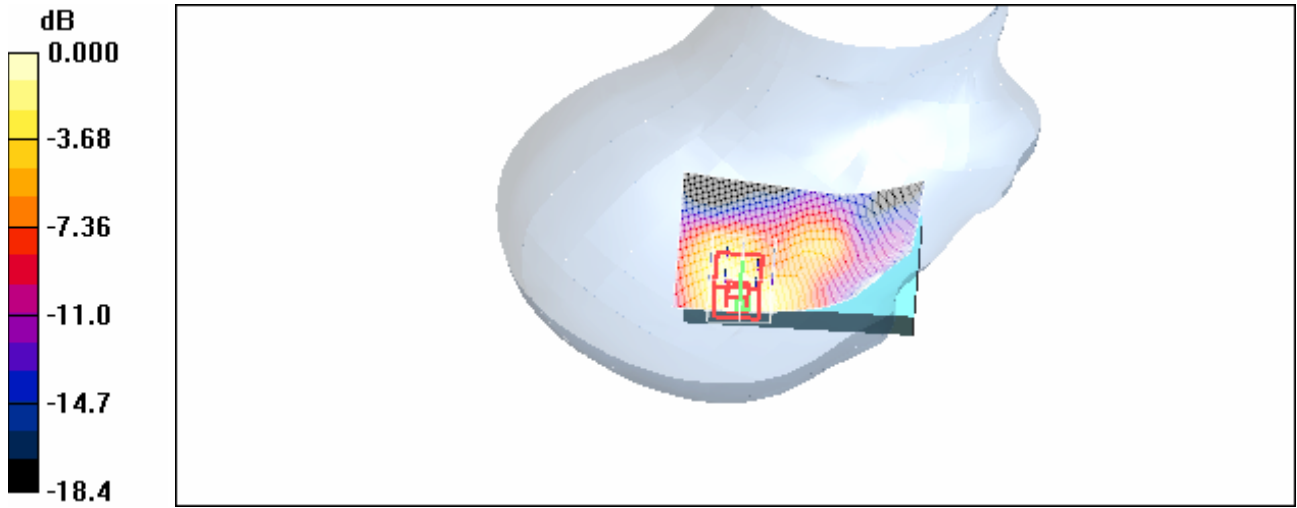
Peak SAR (extrapolated) = 0.411 W/kg

**SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.090 mW/g**

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

Maximum value of SAR (measured) = 0.188 mW/g

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0 dB = 0.188mW/g

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Date/Time: 06/10/2008 2:21:41 PM

Test Laboratory: RTS

File Name:

[RightHandSide\\_Tilt\\_802.11b\\_high\\_chan\\_amb\\_temp\\_23.1\\_liq\\_temp\\_21.6C.da4](#)

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 40245A36**  
**Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)**

Communication System: 802.11 b (2450); Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 37.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right 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 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

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

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

Maximum value of SAR (interpolated) = 0.154 mW/g

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

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

Reference Value = 7.53 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.283 W/kg

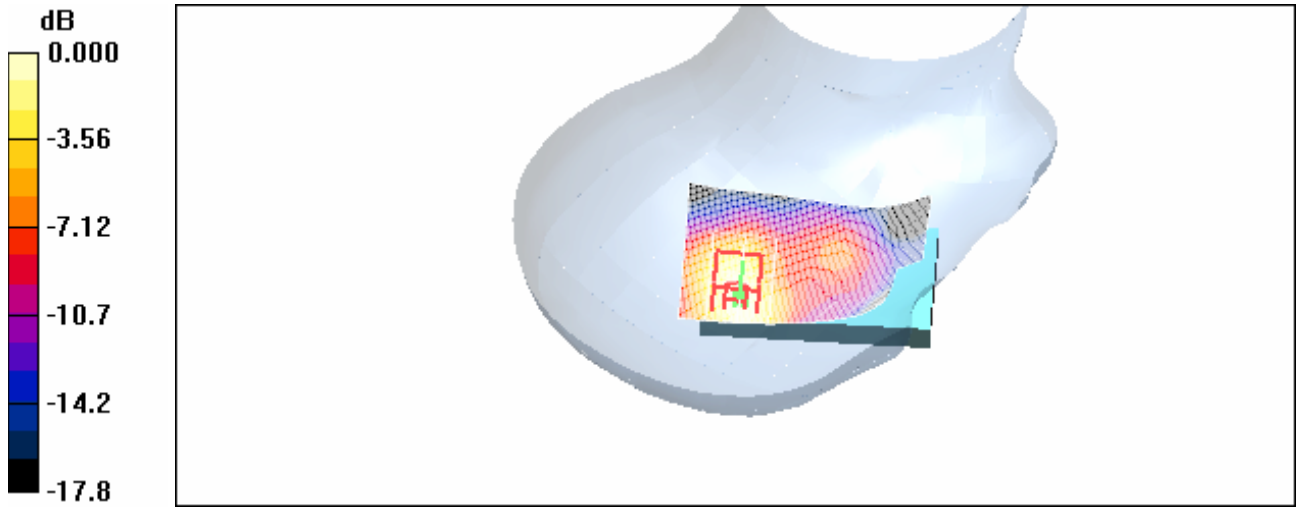
**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.072 mW/g**

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

Maximum value of SAR (measured) = 0.153 mW/g



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0 dB = 0.153mW/g

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**Z axis plot for the worst case head configuration:**

