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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

## APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 9:19:53 PM, Date/Time: 5/26/2011 9:25:05 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA800\_low\_chan\_amb\_temp\_23.3\_liq\_temp\_21.8C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 817.9 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 817.9 \text{ MHz}$ ;  $\sigma = 0.856 \text{ mho/m}$ ;  $\epsilon_r = 39.766$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

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

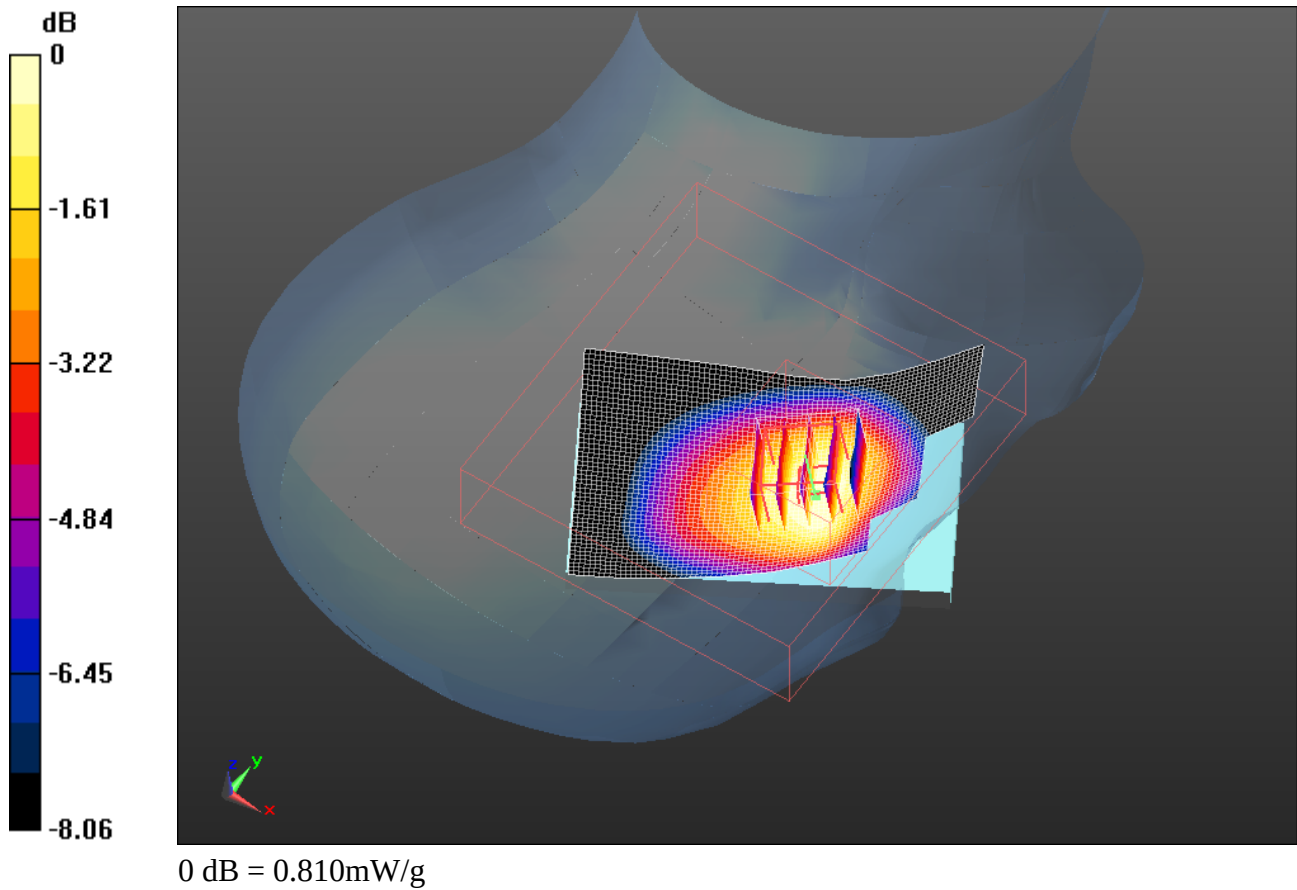
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.272 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.987 W/kg  
**SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.560 mW/g**

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

Maximum value of SAR (measured) = 0.811 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 8:08:09 PM, Date/Time: 5/26/2011 8:13:21 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_21.8C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.858 \text{ mho/m}$ ;  $\epsilon_r = 39.748$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.924 mW/g

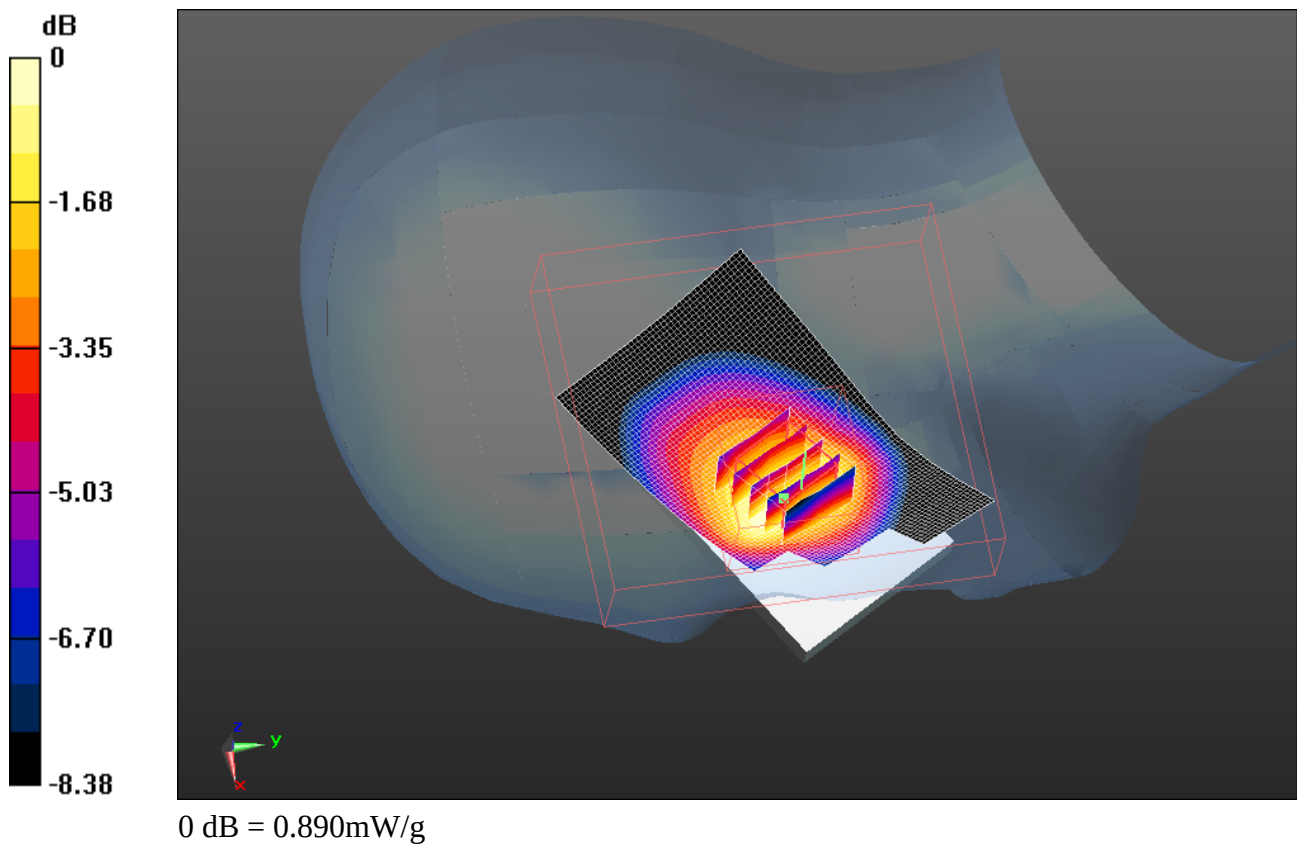
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 12.123 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.072 W/kg  
**SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.613 mW/g**

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

Maximum value of SAR (measured) = 0.894 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 9:37:19 PM, Date/Time: 5/26/2011 9:42:31 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA800\_high\_chan\_amb\_temp\_23.9\_liq\_temp\_22.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 823.1 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 823.1 \text{ MHz}$ ;  $\sigma = 0.861 \text{ mho/m}$ ;  $\epsilon_r = 39.715$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.885 mW/g

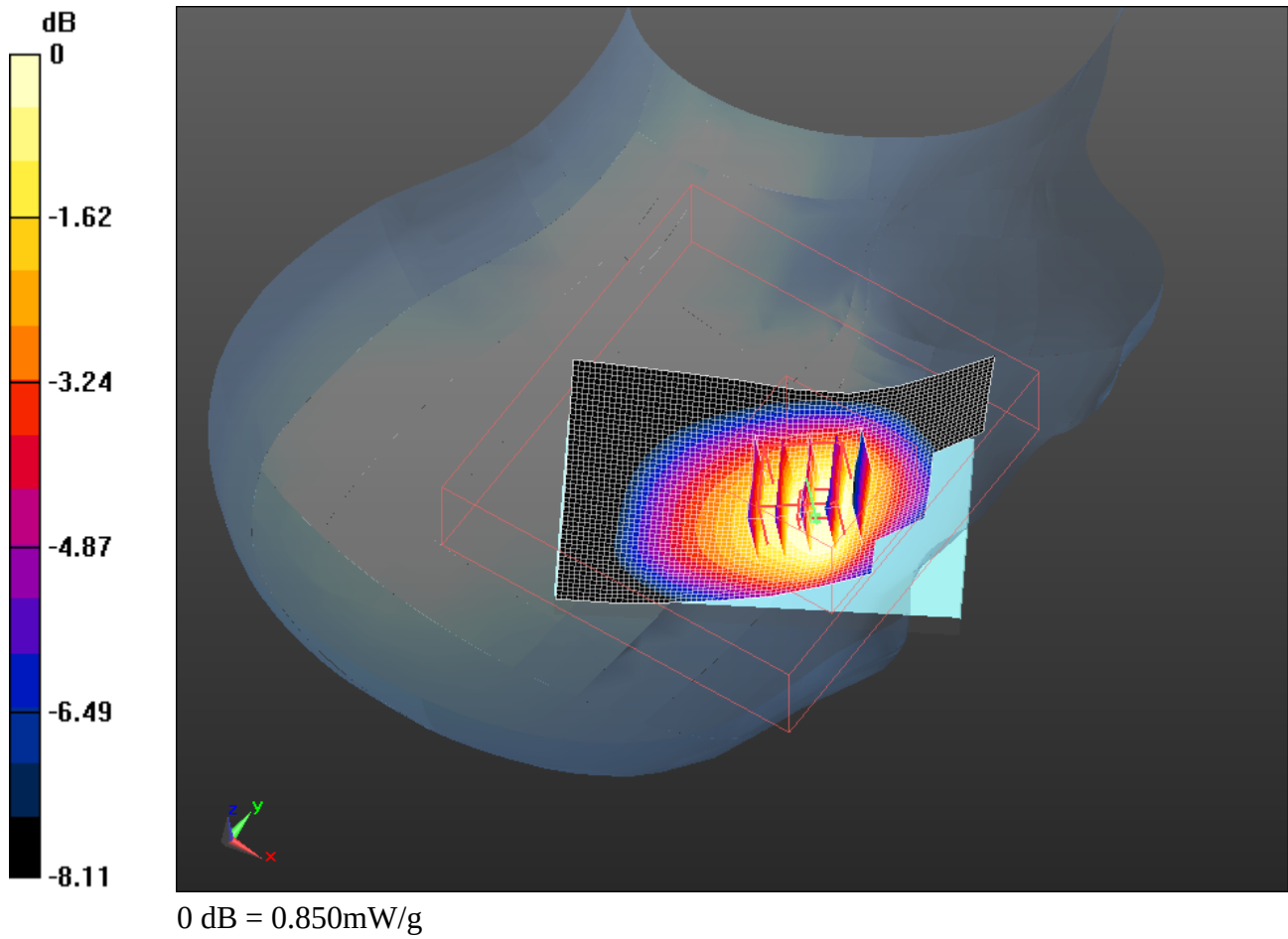
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.192 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.036 W/kg  
**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.586 mW/g**

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

Maximum value of SAR (measured) = 0.852 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 9:49:57 PM, Date/Time: 5/26/2011 9:55:07 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_CDMA800\_mid\_chan\_amb\_temp\_23.7\_liq\_temp\_22  
.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.858 \text{ mho/m}$ ;  $\epsilon_r = 39.748$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.551 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 17.249 V/m; Power Drift = 0.0063 dB

Peak SAR (extrapolated) = 0.661 W/kg

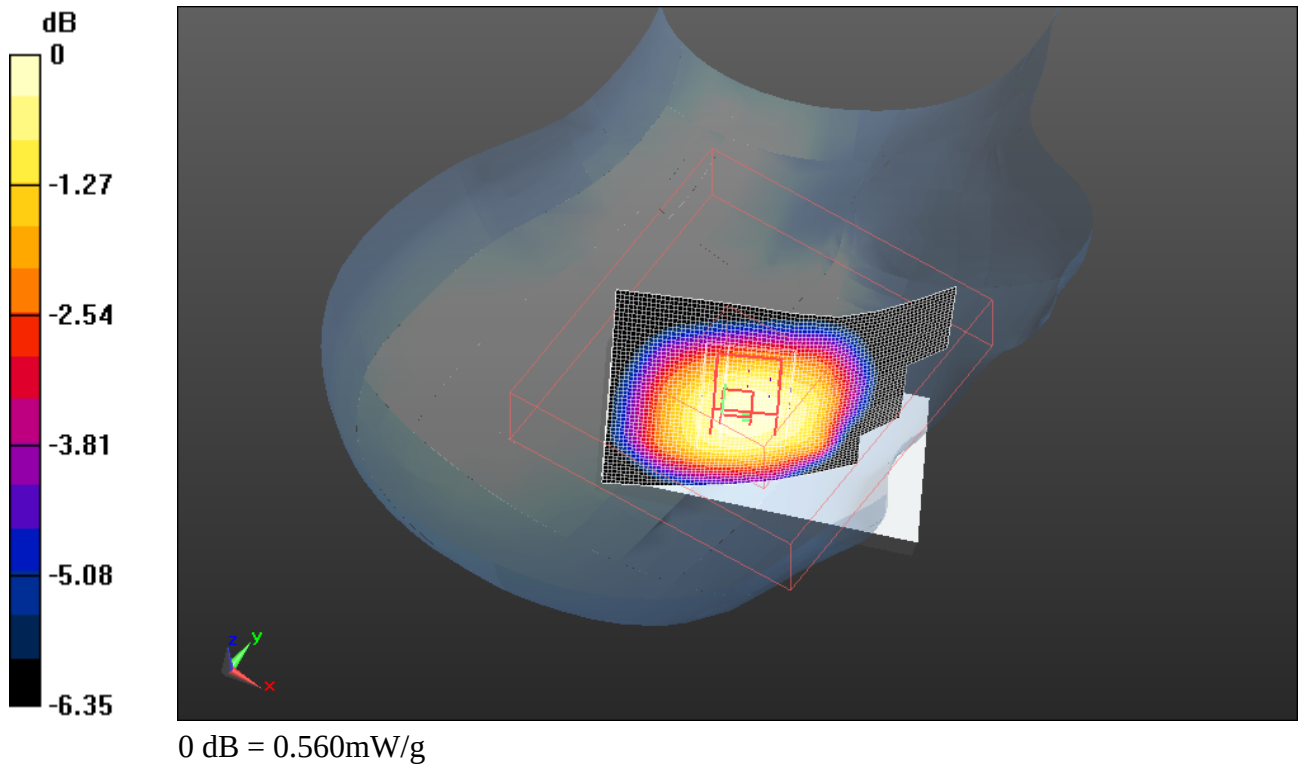
**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.400 mW/g**

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

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



|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 7:26:08 PM, Date/Time: 5/26/2011 7:31:10 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA800\_low\_chan\_amb\_temp\_23.5\_liq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 817.9 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 817.9 \text{ MHz}$ ;  $\sigma = 0.856 \text{ mho/m}$ ;  $\epsilon_r = 39.766$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/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

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 11.197 V/m; Power Drift = 0.04 dB

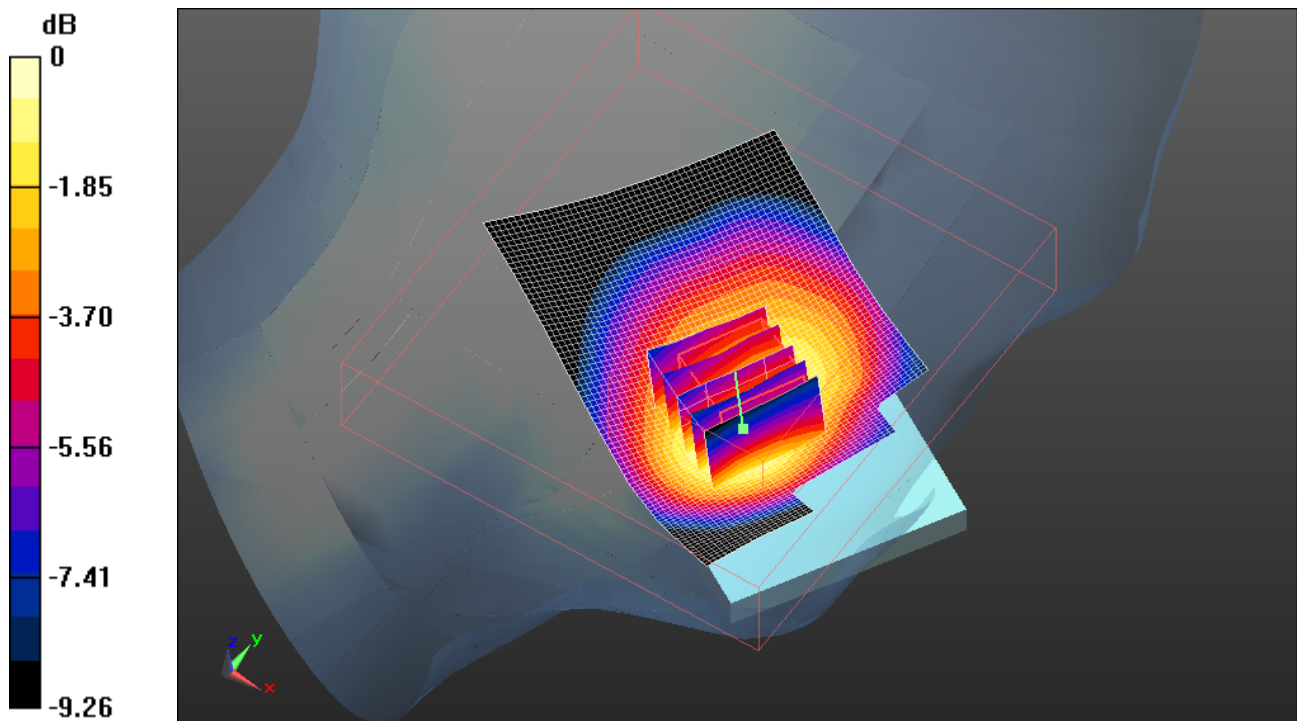
Peak SAR (extrapolated) = 1.283 W/kg

**SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.583 mW/g**

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

Maximum value of SAR (measured) = 0.922 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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0 dB = 0.920mW/g

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Date/Time: 5/26/2011 7:14:22 PM, Date/Time: 5/26/2011 7:19:24 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.6\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.858 \text{ mho/m}$ ;  $\epsilon_r = 39.748$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.013 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 11.784 V/m; Power Drift = -0.12 dB

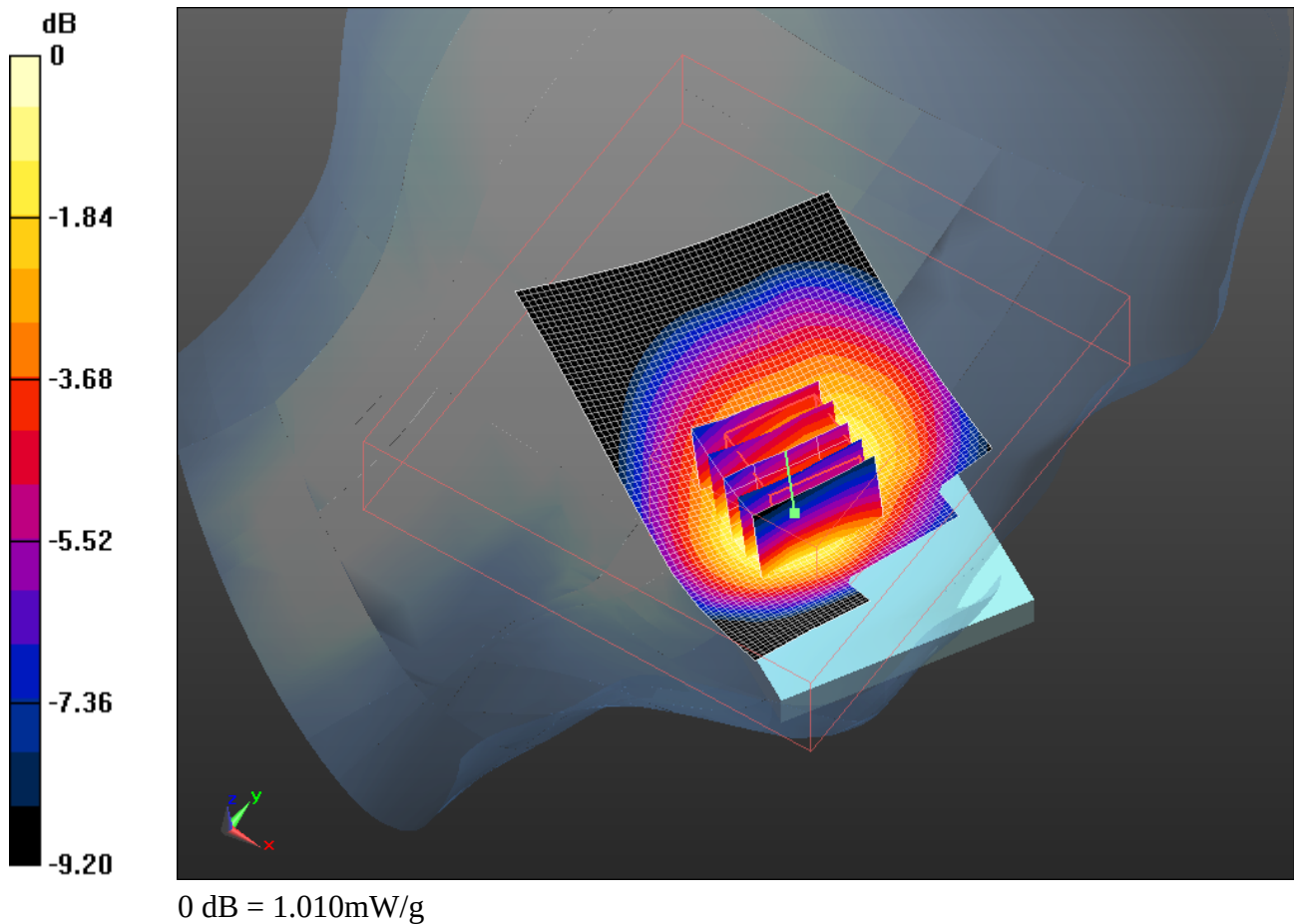
Peak SAR (extrapolated) = 1.422 W/kg

**SAR(1 g) = 0.948 mW/g; SAR(10 g) = 0.635 mW/g**

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

Maximum value of SAR (measured) = 1.007 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 7:40:26 PM, Date/Time: 5/26/2011 7:45:28 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA800\_high\_chan\_amb\_temp\_23.4\_liq\_temp\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 823.1 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 823.1 \text{ MHz}$ ;  $\sigma = 0.861 \text{ mho/m}$ ;  $\epsilon_r = 39.715$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.004 mW/g

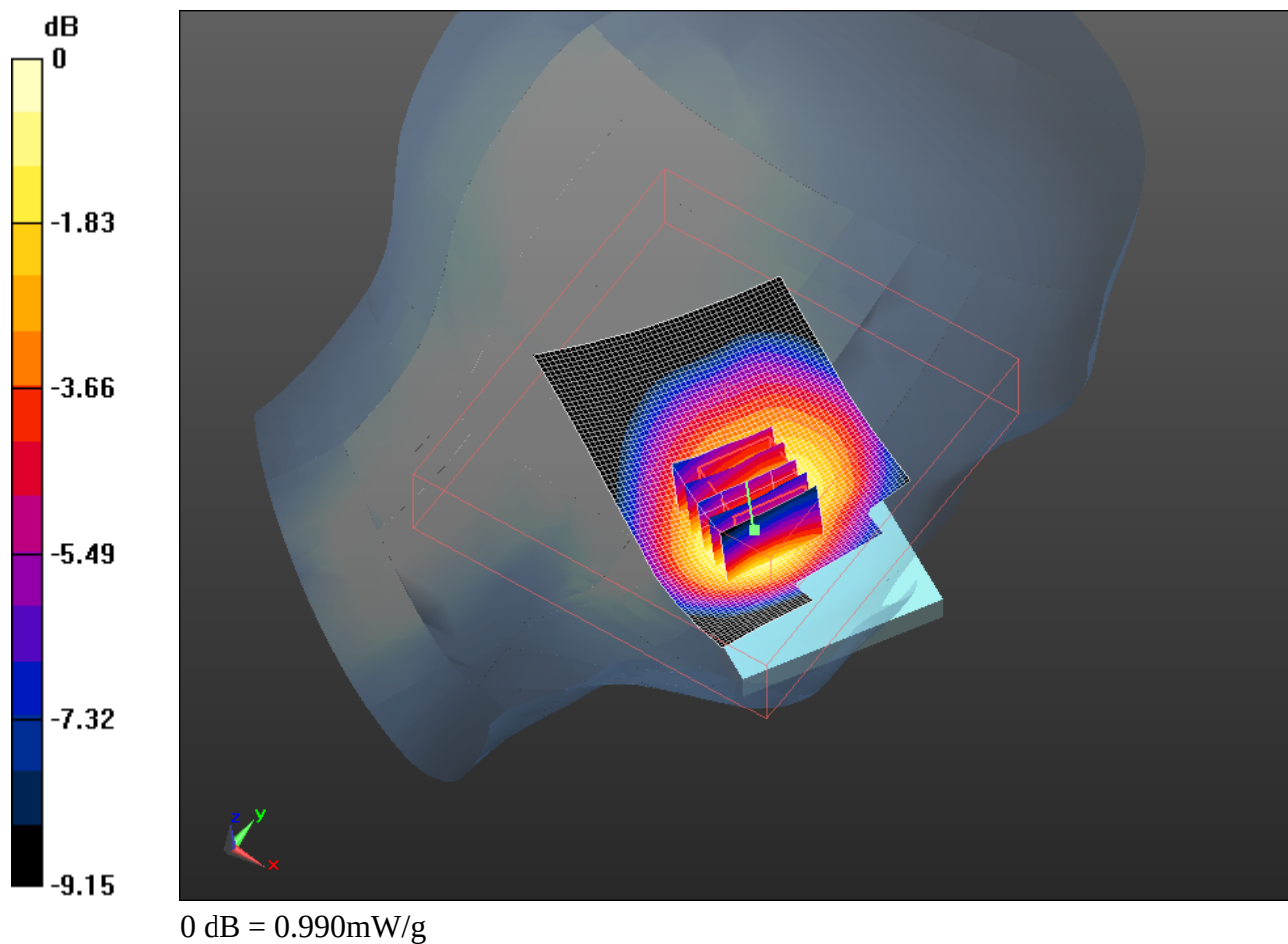
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.430 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.381 W/kg  
**SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.623 mW/g**

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

Maximum value of SAR (measured) = 0.986 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |





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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 7:52:50 PM, Date/Time: 5/26/2011 7:57:52 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_CDMA800\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.858 \text{ mho/m}$ ;  $\epsilon_r = 39.748$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

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

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

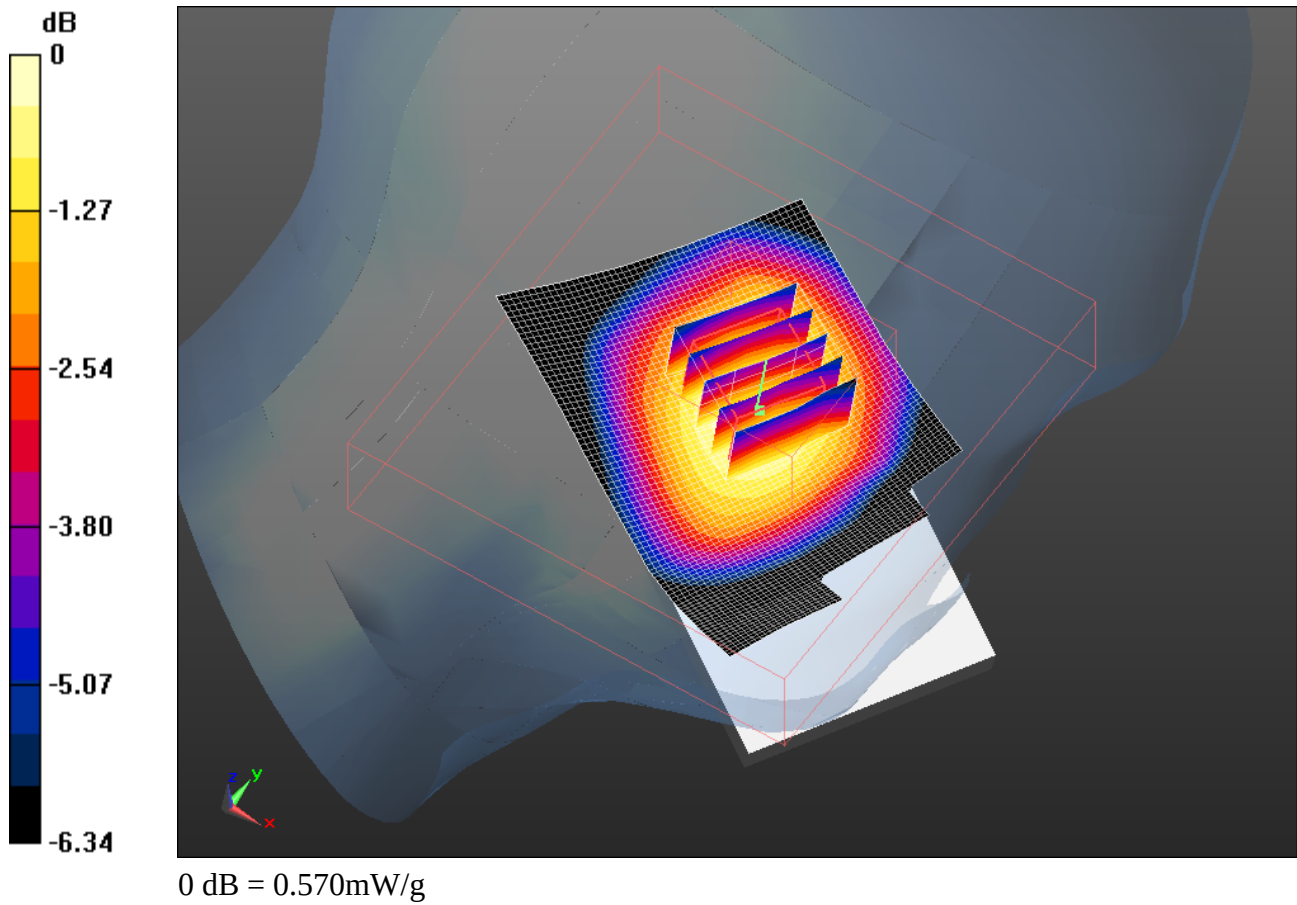
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 18.104 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.677 W/kg  
**SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.404 mW/g**

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

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



|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/6/2011 5:09:52 PM, Date/Time: 6/6/2011 5:15:08 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.0\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.879 \text{ mho/m}$ ;  $\epsilon_r = 40.344$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.722 mW/g

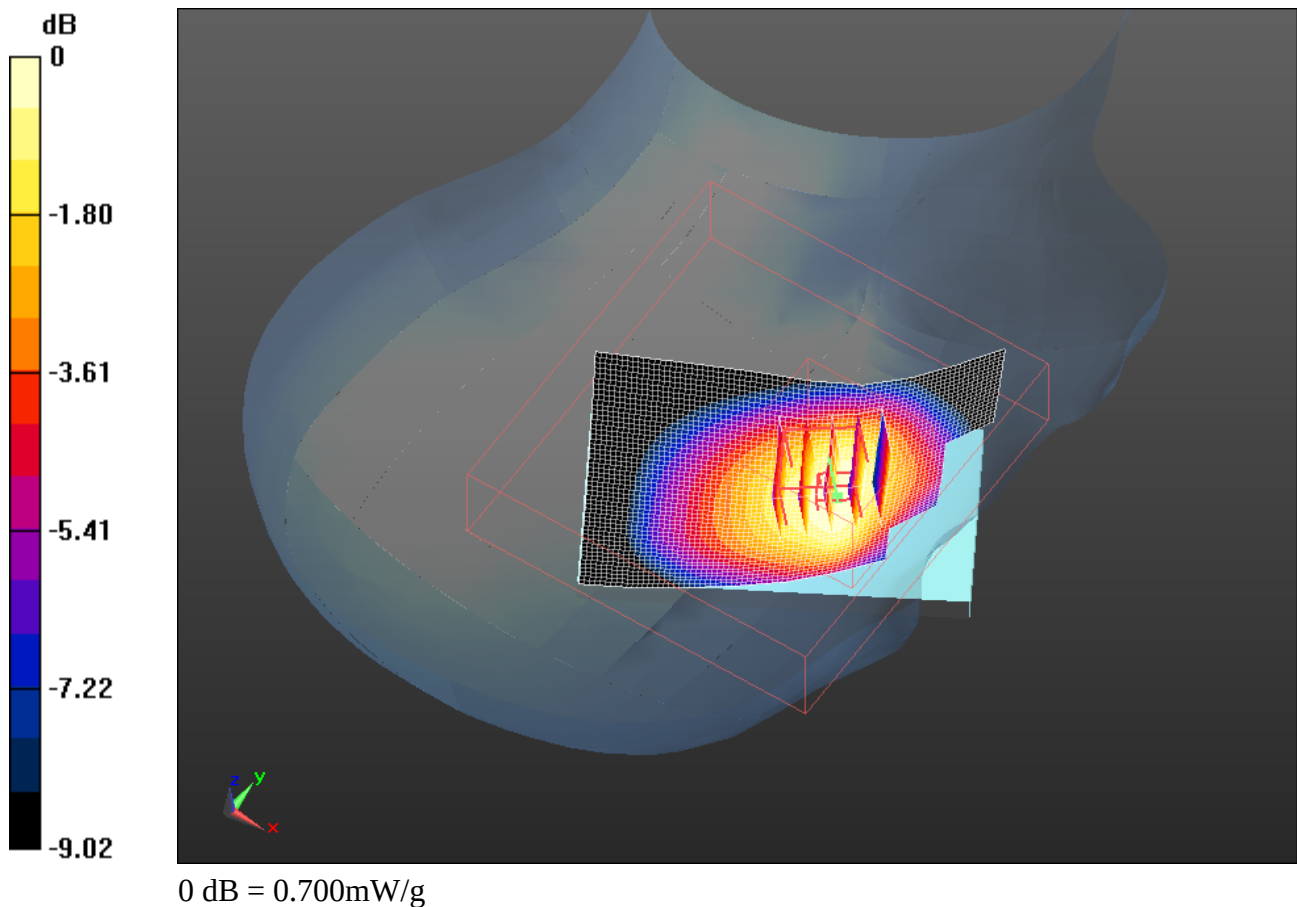
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 10.147 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.832 W/kg  
**SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.481 mW/g**

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

Maximum value of SAR (measured) = 0.703 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/6/2011 5:23:45 PM, Date/Time: 6/6/2011 5:28:51 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_CDMA800\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22.3C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10 ; Frequency: 820.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.879 \text{ mho/m}$ ;  $\epsilon_r = 40.344$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.707 mW/g

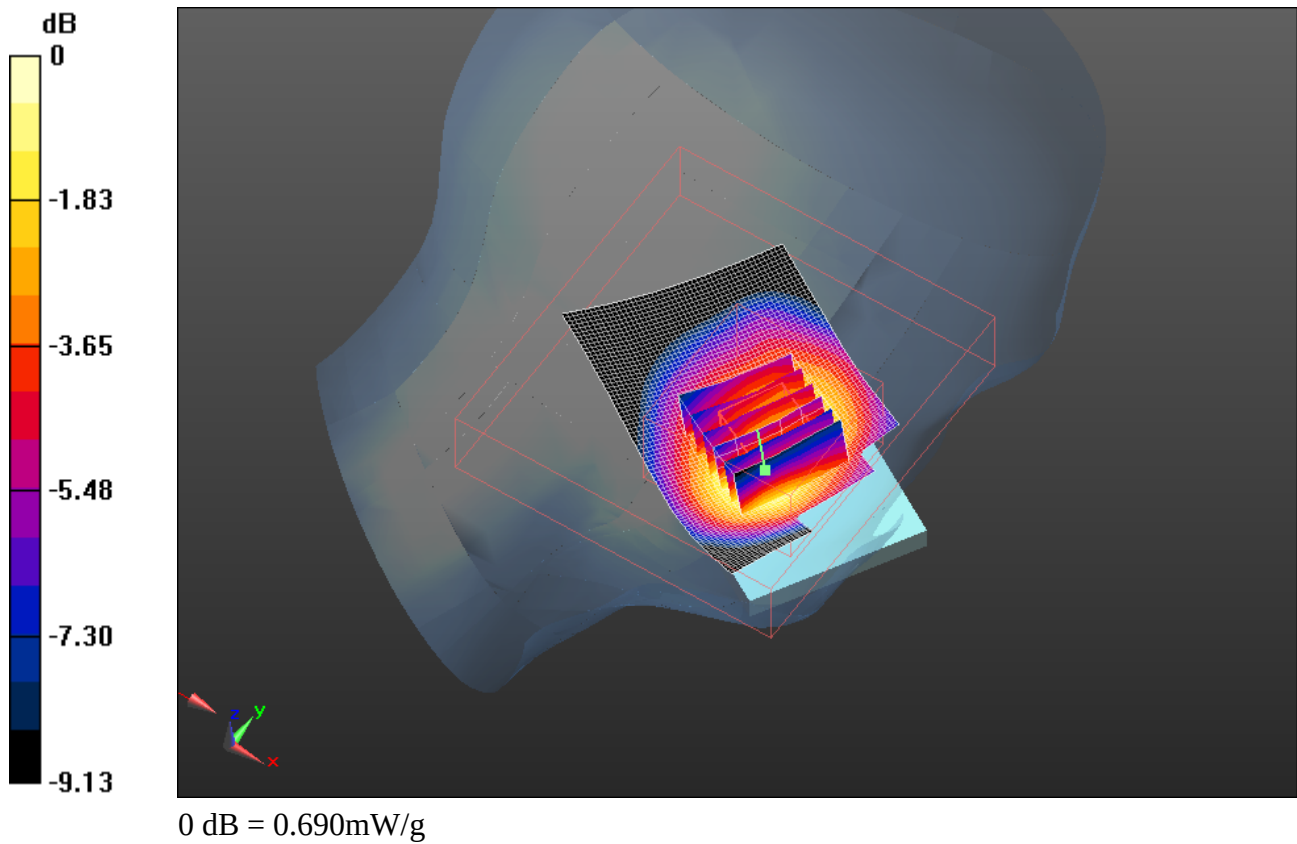
**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 9.281 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.937 W/kg  
**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.444 mW/g**

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

Maximum value of SAR (measured) = 0.688 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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|  | Document<br><b>Appendix B for the BlackBerry® Smartphone Model RDS41CW SAR Report</b> |                                           |                              | Page<br><b>22(68)</b>         |
| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 10:17:15 PM, Date/Time: 5/26/2011 10:22:25 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA850\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 836.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.875 \text{ mho/m}$ ;  $\epsilon_r = 39.519$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.855 mW/g

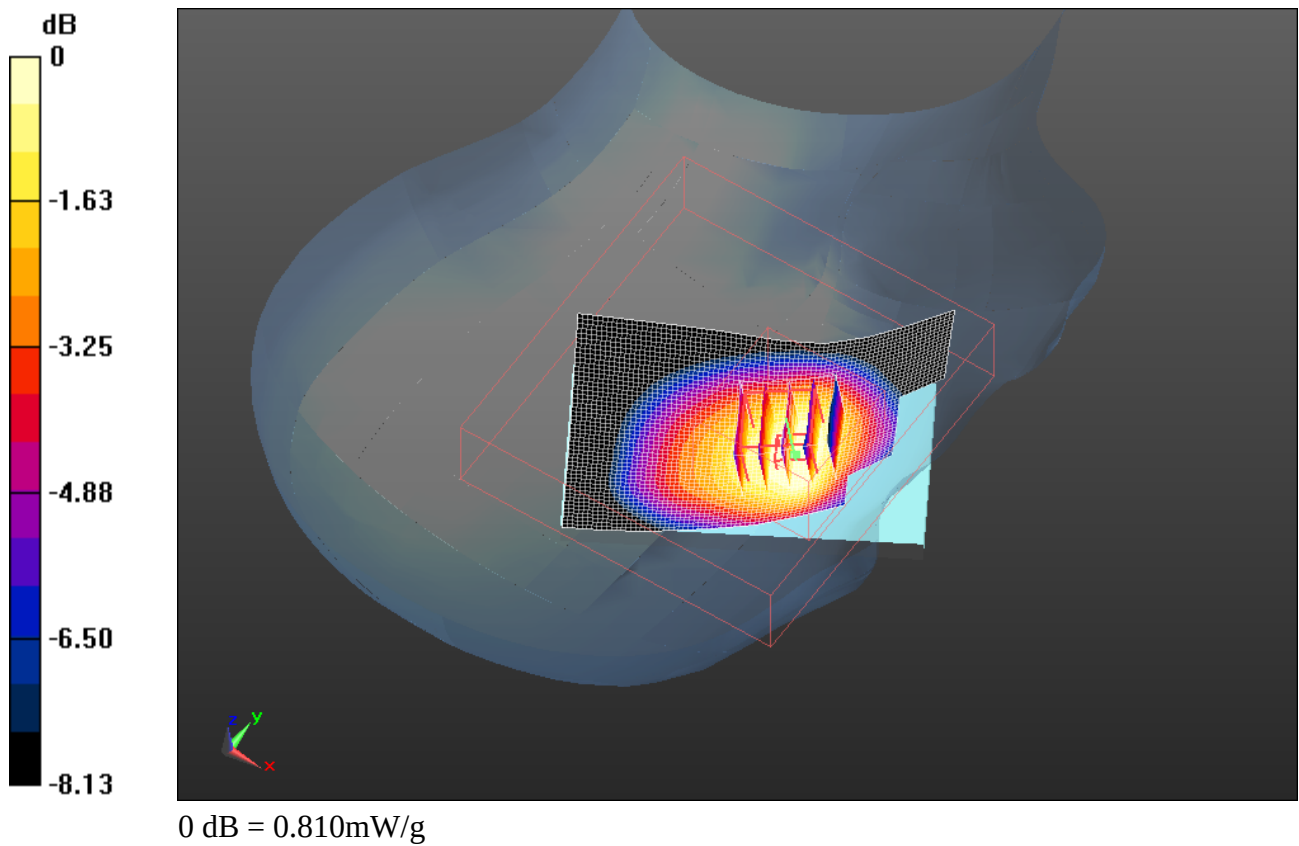
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.385 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.995 W/kg  
**SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.557 mW/g**

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

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

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 10:03:25 PM, Date/Time: 5/26/2011 10:08:35 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_CDMA850\_mid\_chan\_amb\_temp\_23.7\_liq\_temp\_22  
.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 836.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.875 \text{ mho/m}$ ;  $\epsilon_r = 39.519$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.585 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

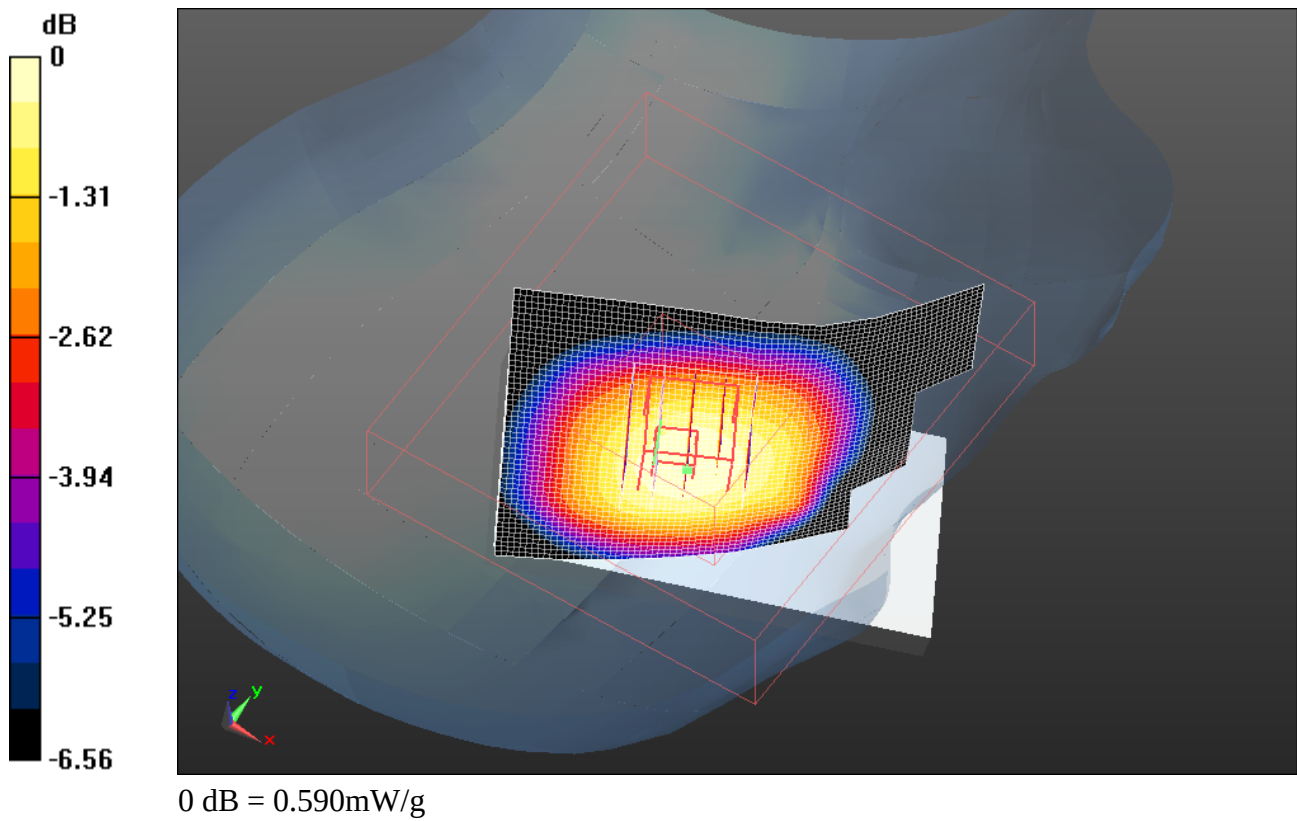
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 17.683 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.698 W/kg  
**SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.422 mW/g**

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

Maximum value of SAR (measured) = 0.586 mW/g



|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 10:55:30 PM, Date/Time: 5/26/2011 11:00:32 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA850\_low\_chan\_amb\_temp\_23.4\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 824.7 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.863 \text{ mho/m}$ ;  $\epsilon_r = 39.691$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

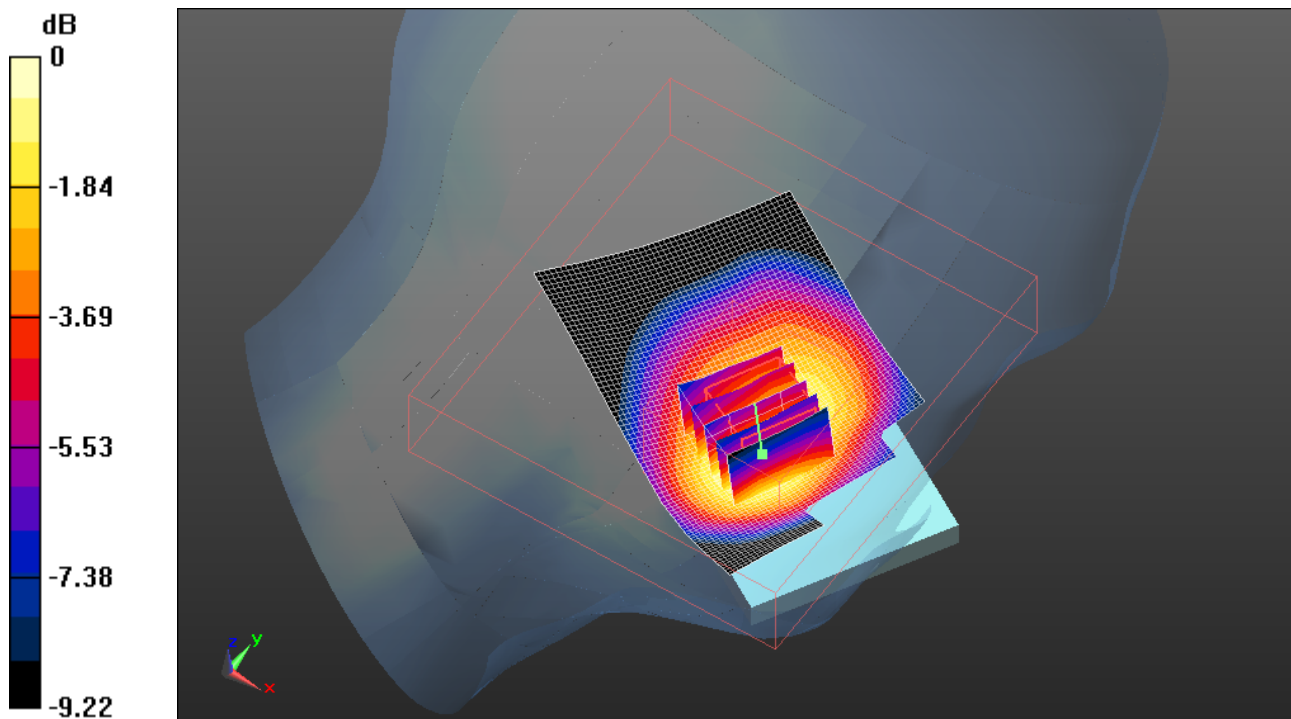
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.956 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**  
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.076 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.329 W/kg  
**SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.601 mW/g**  
Maximum value of SAR (measured) = 0.948 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



0 dB = 0.950mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 10:33:23 PM, Date/Time: 5/26/2011 10:38:26 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_CDMA850\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_22.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 836.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.875 \text{ mho/m}$ ;  $\epsilon_r = 39.519$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.867 mW/g

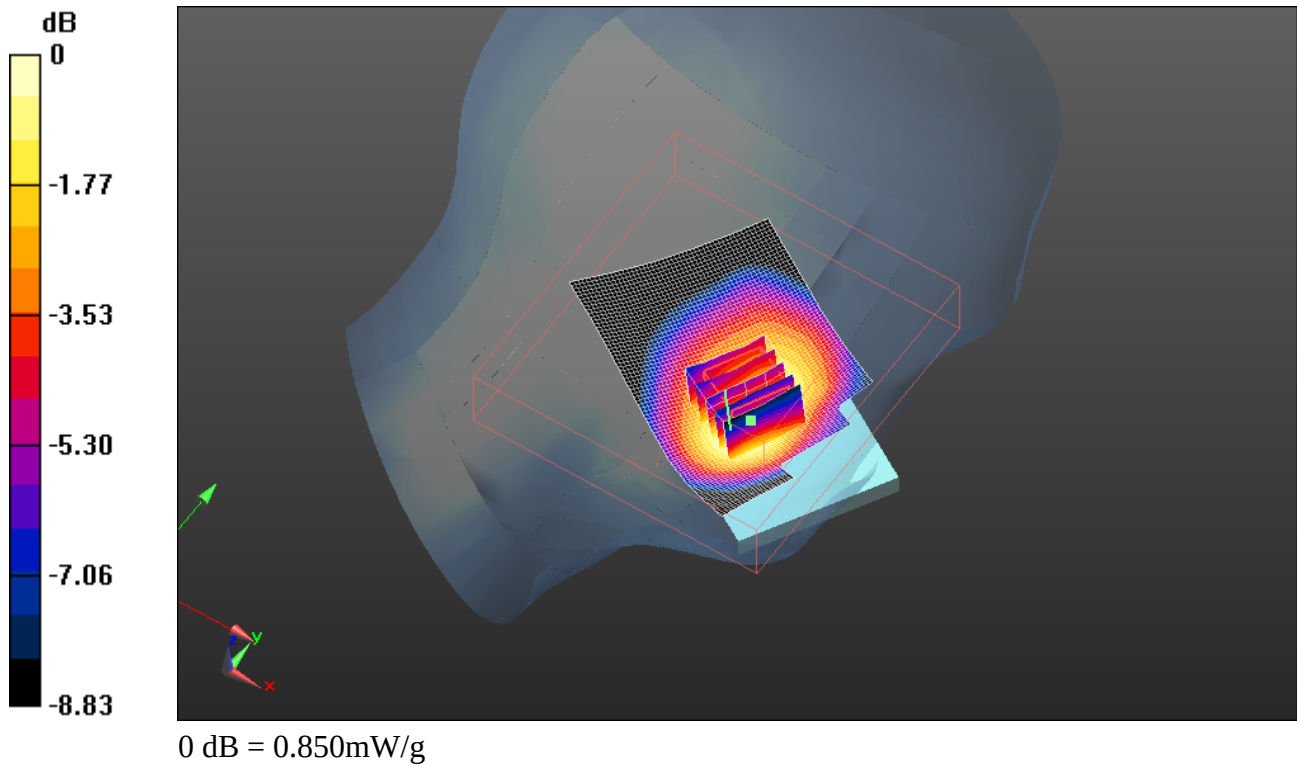
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 10.052 V/m; Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 1.185 W/kg  
**SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.551 mW/g**

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

Maximum value of SAR (measured) = 0.847 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 11:37:55 PM, Date/Time: 5/26/2011 11:42:58 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA850\_high\_chan\_amb\_temp\_23.5\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 848.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 848.52 \text{ MHz}$ ;  $\sigma = 0.885 \text{ mho/m}$ ;  $\epsilon_r = 39.377$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

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

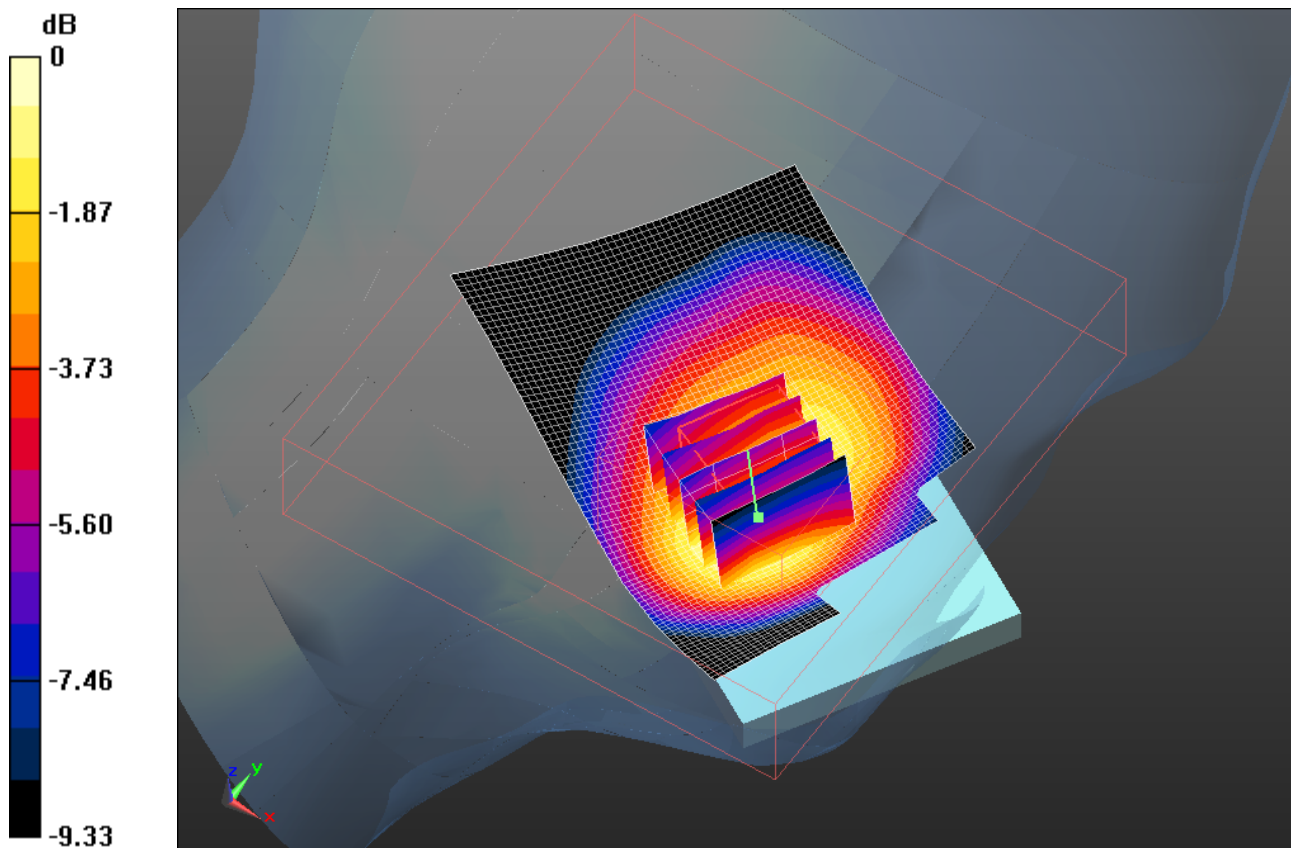
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 10.528 V/m; Power Drift = 0.38 dB  
Peak SAR (extrapolated) = 1.279 W/kg  
**SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.578 mW/g**

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

Maximum value of SAR (measured) = 0.915 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



0 dB = 0.920mW/g



|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 5/26/2011 11:59:27 PM, Date/Time: 5/27/2011 12:04:30 AM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_CDMA850\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_22.  
2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E4DBBB**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 836.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.875 \text{ mho/m}$ ;  $\epsilon_r = 39.519$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.593 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

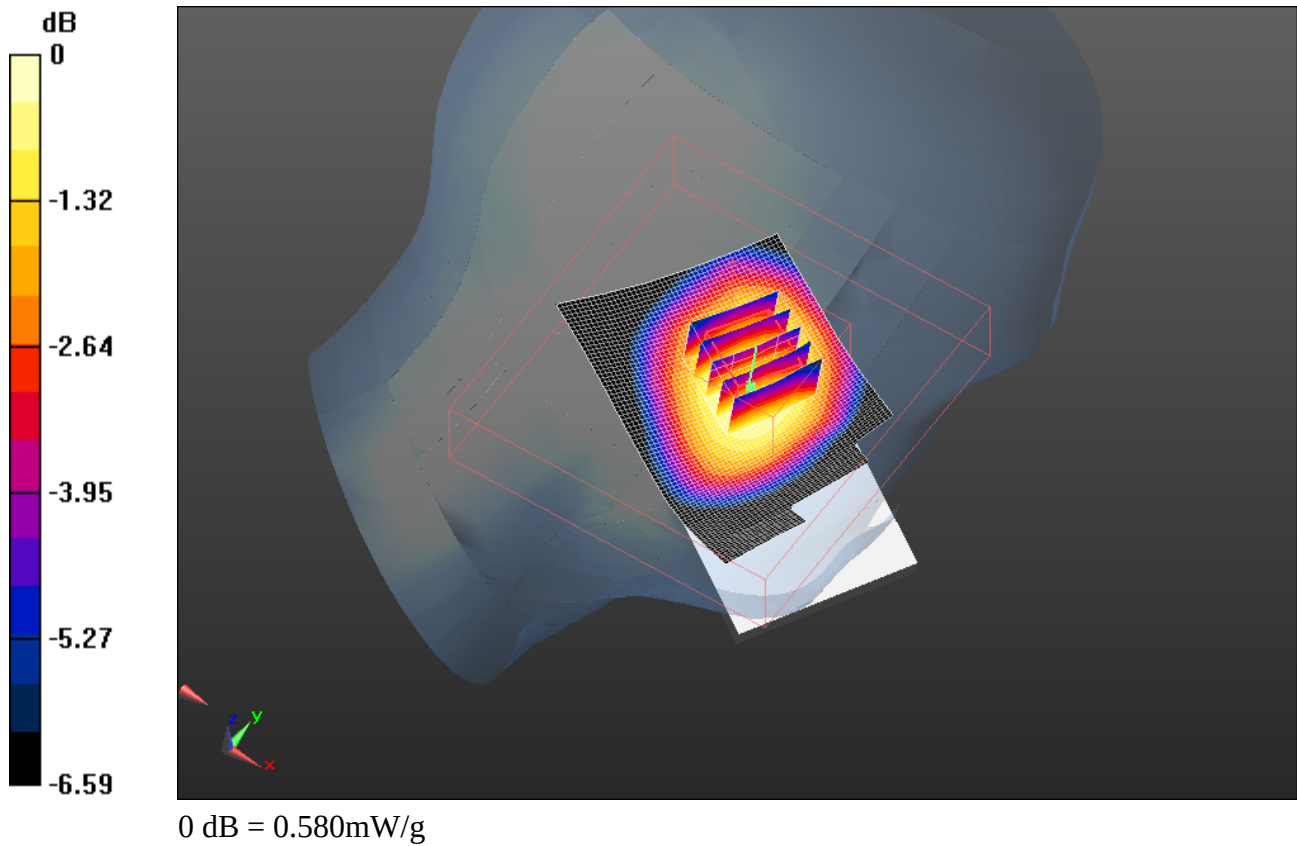
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 17.311 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.687 W/kg  
**SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.413 mW/g**

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

Maximum value of SAR (measured) = 0.584 mW/g



|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/6/2011 3:46:31 PM, Date/Time: 6/6/2011 3:51:40 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA850\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_22.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 836.52 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.896 \text{ mho/m}$ ;  $\epsilon_r = 40.14$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.629 mW/g

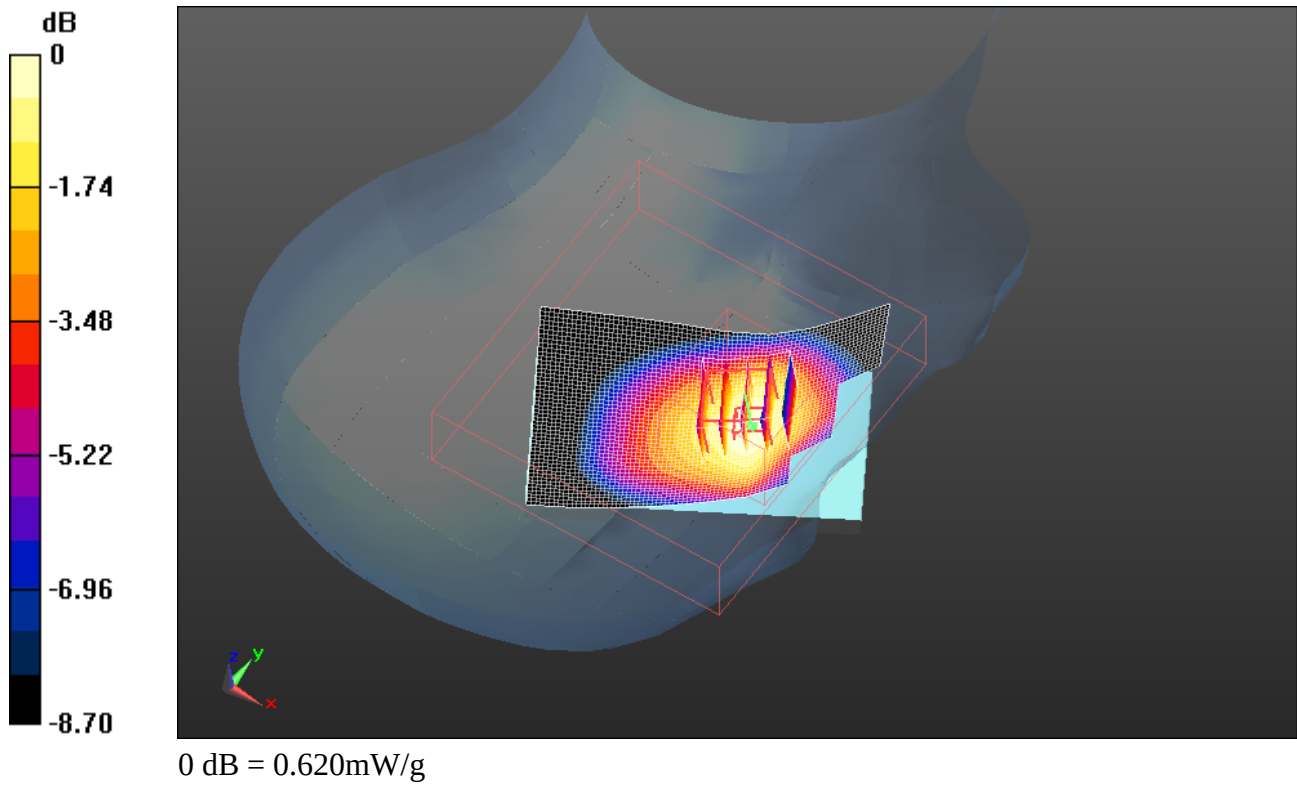
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.788 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 0.761 W/kg  
**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.425 mW/g**

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

Maximum value of SAR (measured) = 0.619 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/6/2011 3:18:41 PM, Date/Time: 6/6/2011 3:23:44 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA850\_low\_chan\_amb\_temp\_23.0\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 850; Communication System Band: CDMA 2000  
Cellular; Frequency: 824.7 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.884 \text{ mho/m}$ ;  $\epsilon_r = 40.299$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

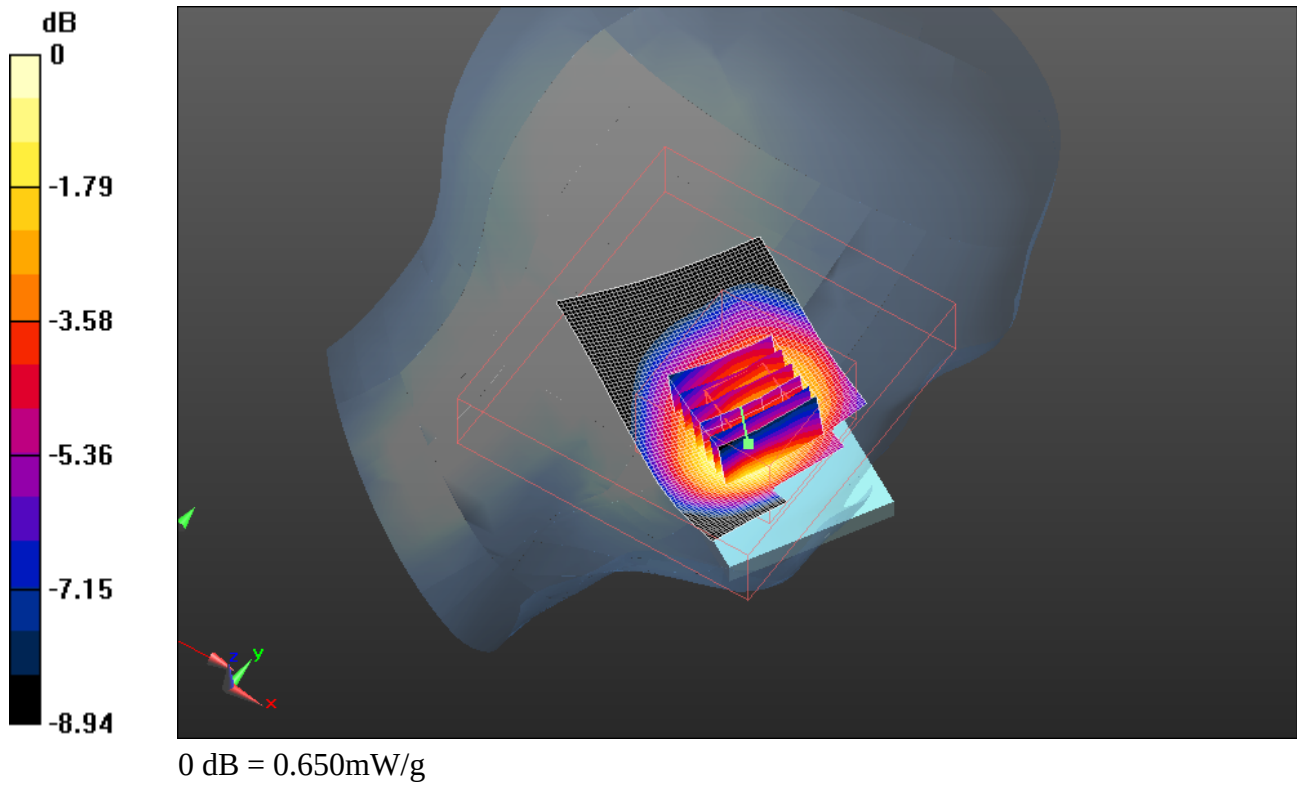
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.47, 6.47, 6.47); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.672 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:**  
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 8.281 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.874 W/kg  
**SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.418 mW/g**  
Maximum value of SAR (measured) = 0.647 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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Test Laboratory: RIM Testing Services

## RightHandSide\_CDMA1900\_low\_chan\_amb\_temp\_23.1\_liq\_temp\_22.2 C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1851.25 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.322 \text{ mho/m}$ ;  $\epsilon_r = 39.997$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.081 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 13.623 V/m; Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 1.324 W/kg  
**SAR(1 g) = 0.950 mW/g; SAR(10 g) = 0.623 mW/g**

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

Maximum value of SAR (measured) = 1.005 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

### Configuration/Touch position -/Zoom Scan (5x5x7) 2 (8x6x5)/Cube 0:

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

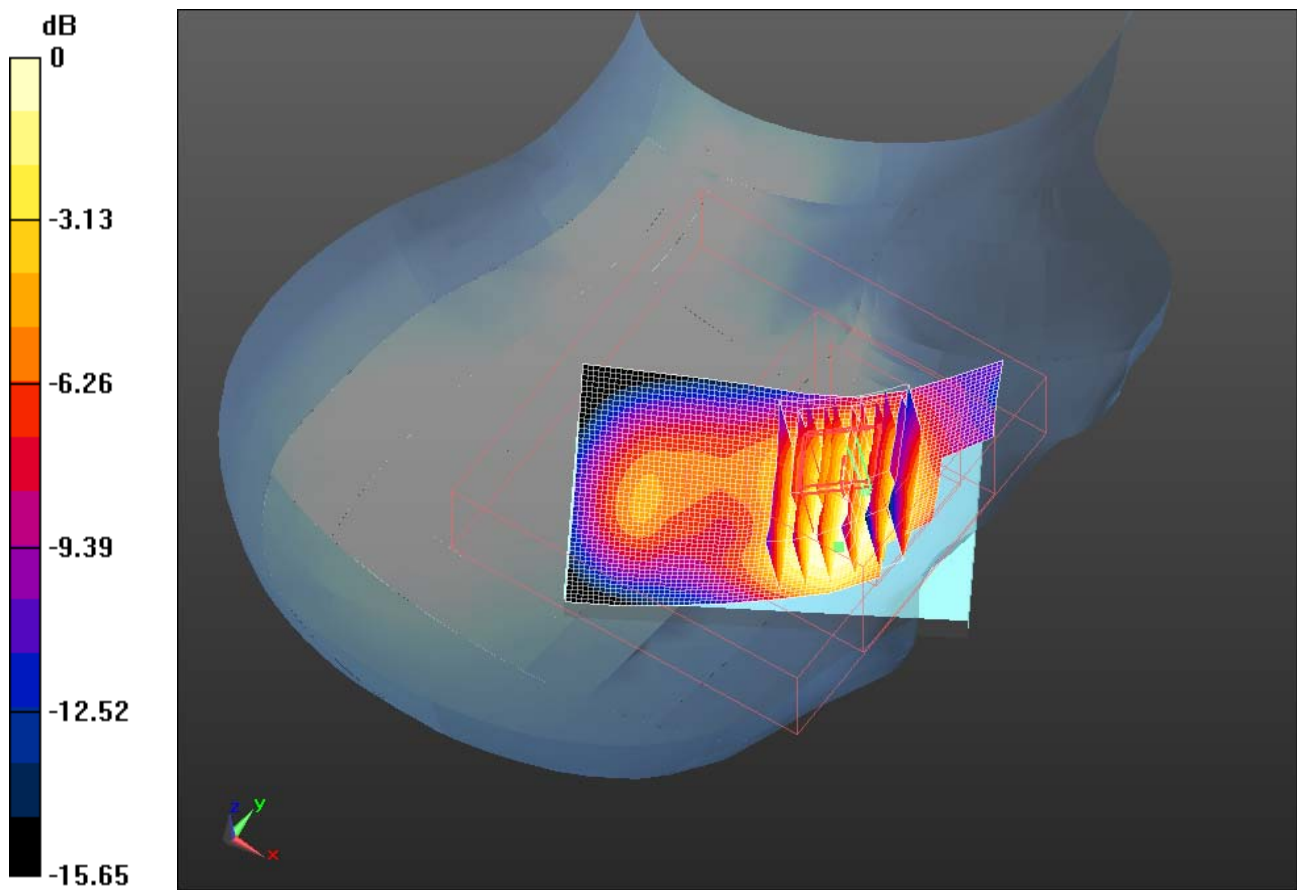
Reference Value = 13.623 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.397 W/kg

**SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.623 mW/g**

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

Maximum value of SAR (measured) = 1.006 mW/g



0 dB = 1.010mW/g

|                                                                                   |                                                                                       |                                               |                                           |                              |                               |
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Date/Time: 6/8/2011 10:42:24 PM, Date/Time: 6/8/2011 10:47:30 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_CDMA1900\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22.3**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1880 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.351 \text{ mho/m}$ ;  $\epsilon_r = 39.881$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:

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

Maximum value of SAR (interpolated) = 0.998 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 12.993 V/m; Power Drift = 0.02 dB

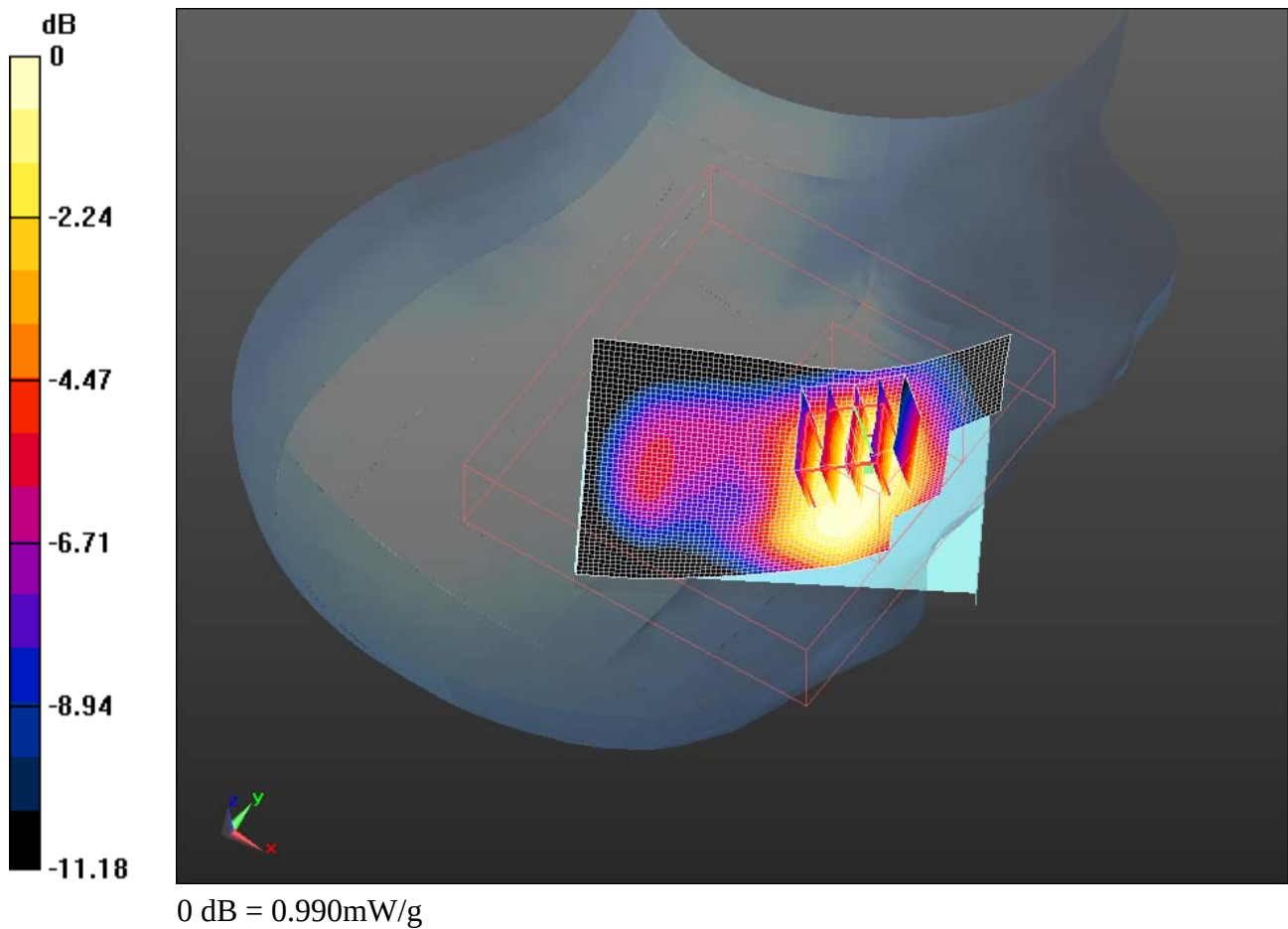
Peak SAR (extrapolated) = 1.258 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.594 mW/g**

Maximum value of SAR (measured) = 0.985 mW/g



|                                                                                   |                                                                                       |                                           |                              |                               |
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Date/Time: 6/8/2011 11:14:40 PM, Date/Time: 6/8/2011 11:19:47 PM, Date/Time: 6/8/2011 11:28:45 PM

Test Laboratory: RIM Testing Services

## RightHandSide\_CDMA1900\_high\_chan\_amb\_temp\_23.2\_liq\_temp\_22.4 C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1908.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 1908.5 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.742$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.919 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.339 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 1.236 W/kg  
**SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.525 mW/g**

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

Maximum value of SAR (measured) = 0.867 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

### Configuration/Touch position -/Zoom Scan (5x5x7) 2 (6x6x5)/Cube 0:

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

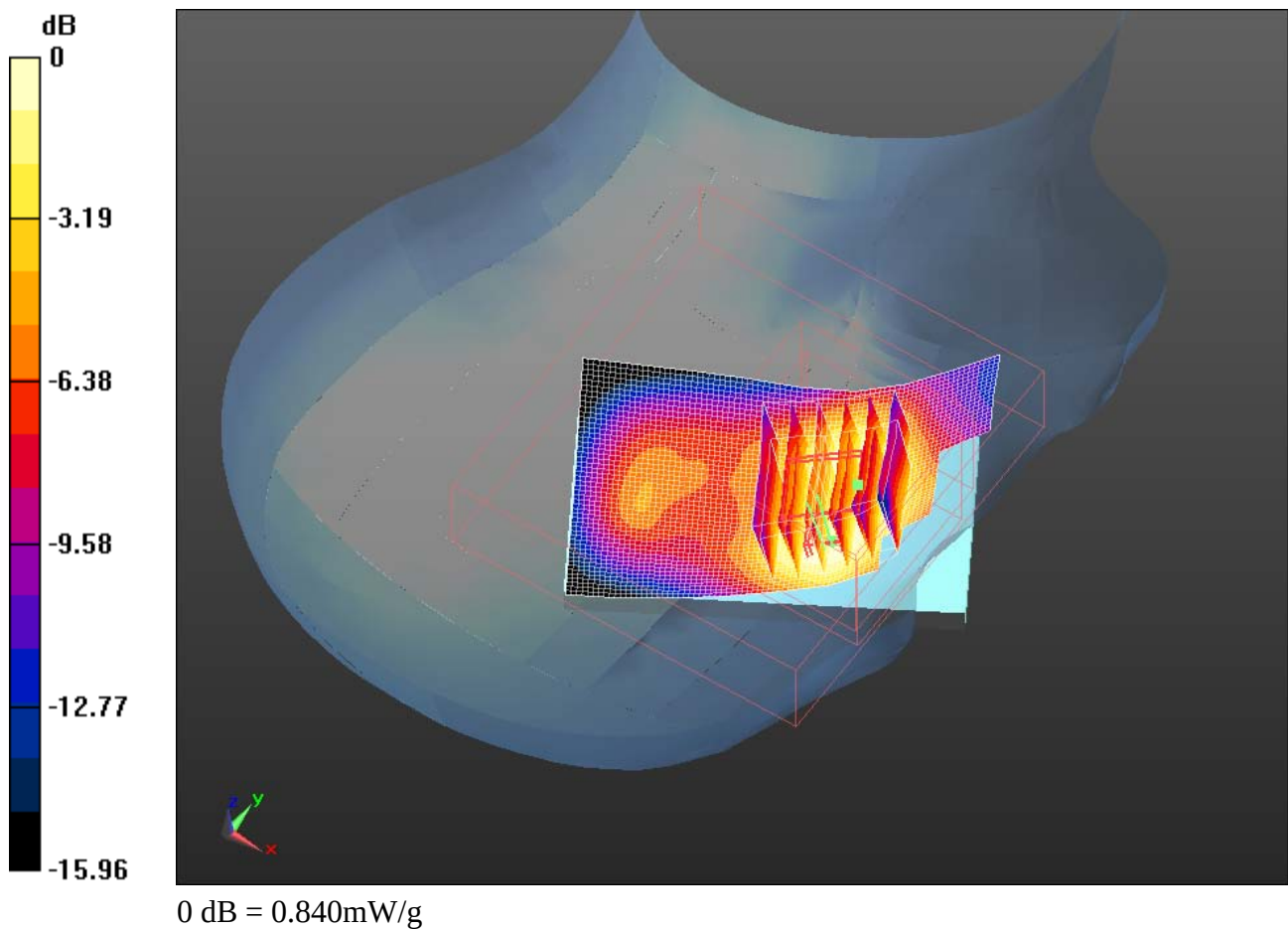
Reference Value = 11.339 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.123 W/kg

**SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.519 mW/g**

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

Maximum value of SAR (measured) = 0.840 mW/g



|                                                                                  |                                                                                       |                                               |                                           |                              |                               |
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Test Laboratory: RIM Testing Services

## RightHandSide\_Tilt\_CDMA1900\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_2 2.5C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1880 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.351 \text{ mho/m}$ ;  $\epsilon_r = 39.881$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

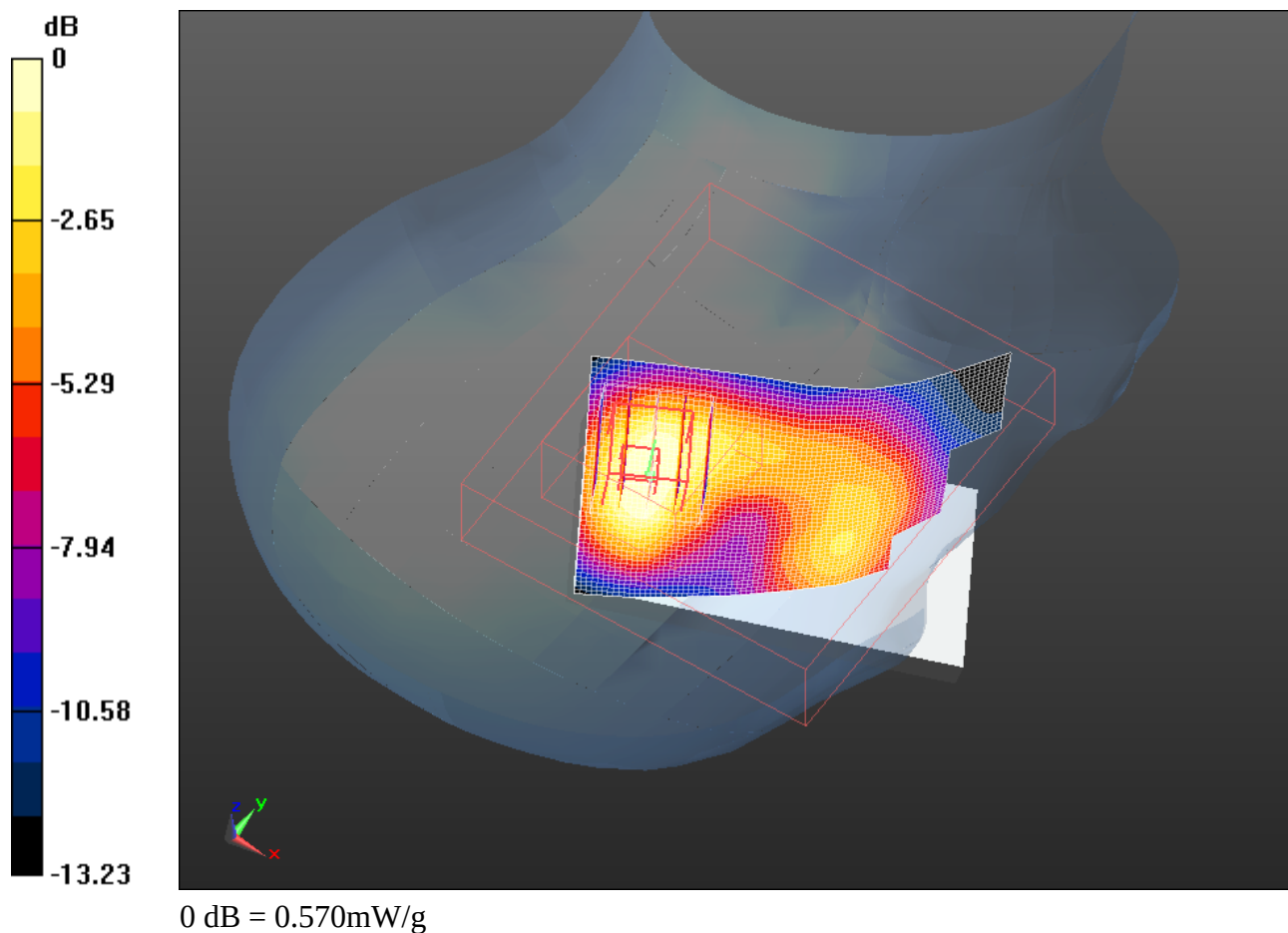
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.620 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**  
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 20.436 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.824 W/kg  
**SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.326 mW/g**  
Maximum value of SAR (measured) = 0.566 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



|                                                                                  |                                                                                       |                                           |                              |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |                       |

Date/Time: 6/9/2011 4:36:38 PM, Date/Time: 6/9/2011 4:41:40 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA1900\_low\_chan\_amb\_temp\_23.1\_liq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000

PCS; Frequency: 1851.25 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.322 \text{ mho/m}$ ;  $\epsilon_r = 39.997$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.652 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 12.027 V/m; Power Drift = -0.02 dB

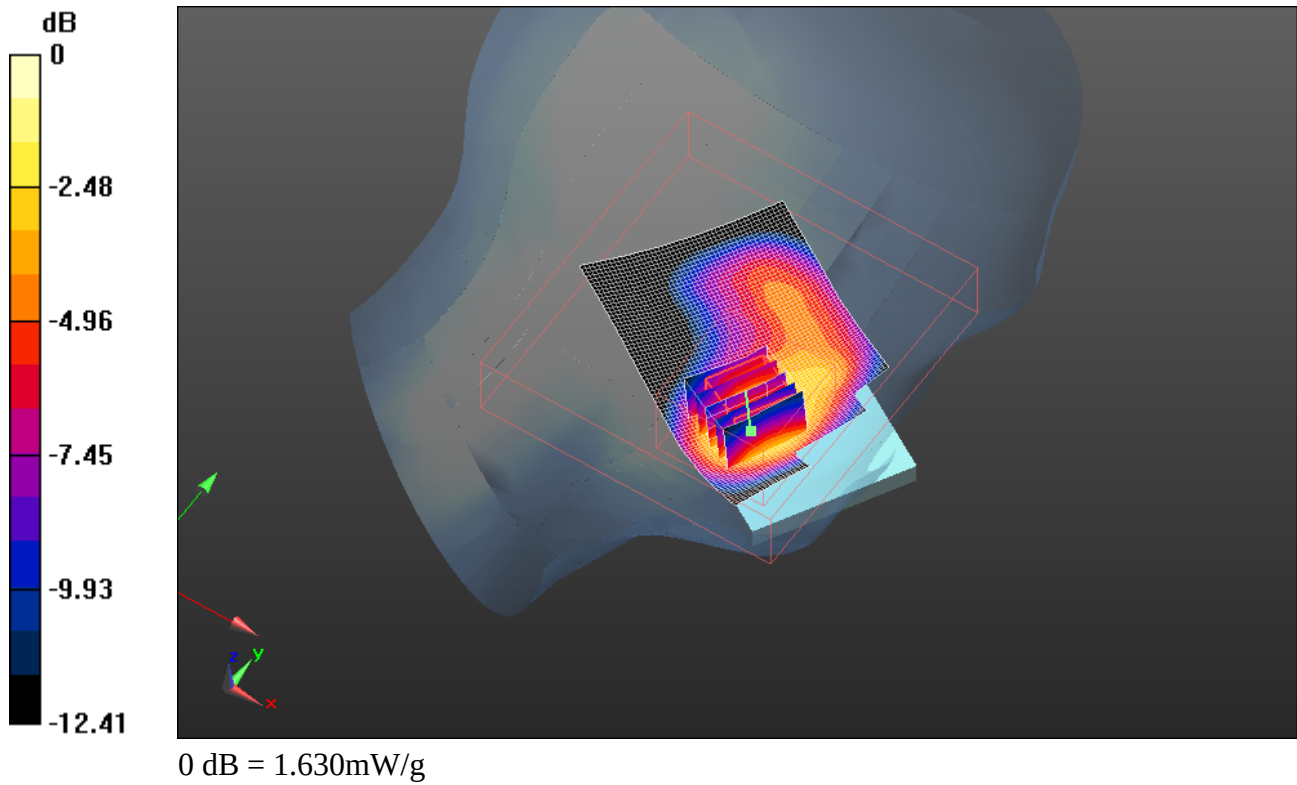
Peak SAR (extrapolated) = 2.335 W/kg

**SAR(1 g) = 1.5 mW/g; SAR(10 g) = 0.896 mW/g**

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

Maximum value of SAR (measured) = 1.629 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |





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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/9/2011 4:05:16 PM, Date/Time: 6/9/2011 4:10:18 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_CDMA1900\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1880 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.351 \text{ mho/m}$ ;  $\epsilon_r = 39.881$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

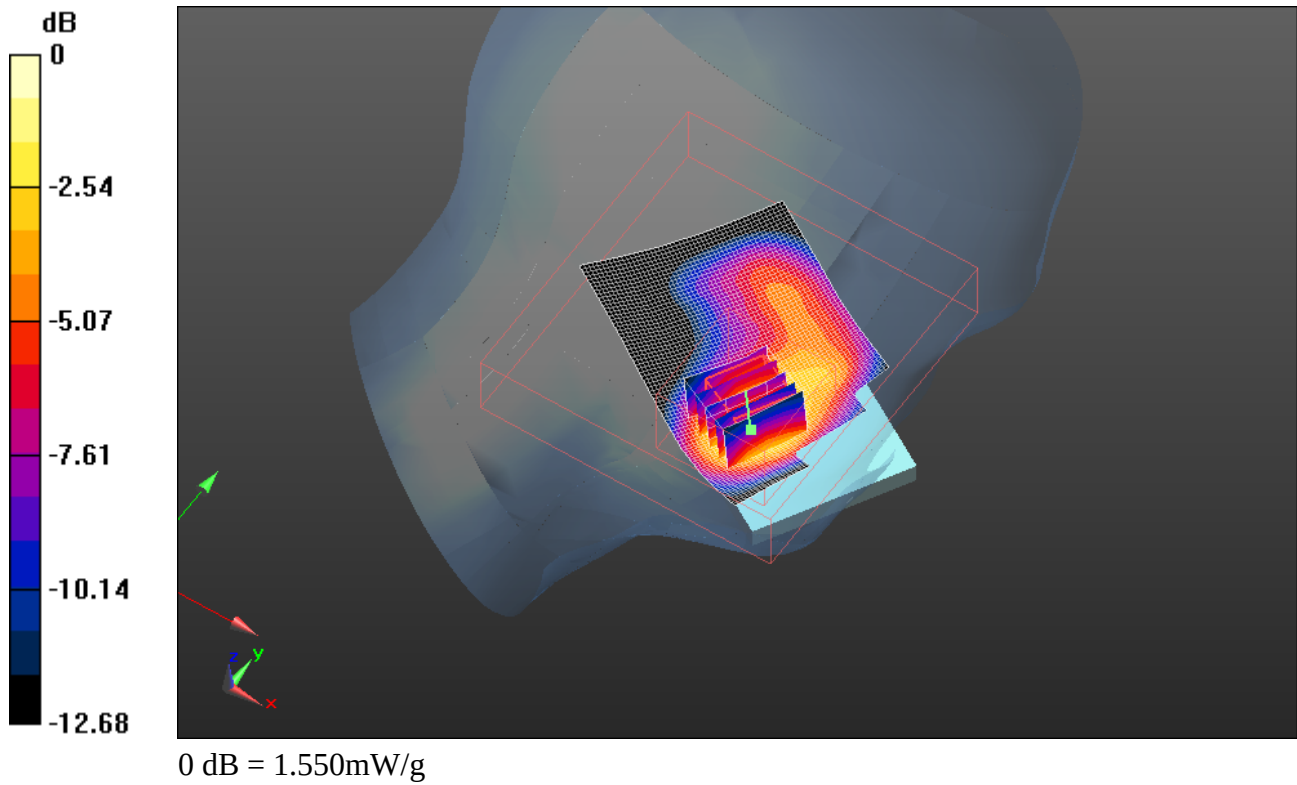
- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.541 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**  
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 11.077 V/m; Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 2.300 W/kg  
**SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.832 mW/g**  
Maximum value of SAR (measured) = 1.548 mW/g



|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/9/2011 4:51:00 PM, Date/Time: 6/9/2011 4:56:03 PM

Test Laboratory: RIM Testing Services

## LeftHandSide\_CDMA1900\_high\_chan\_amb\_temp\_23.3\_liq\_temp\_22.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1908.5 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 1908.5 \text{ MHz}$ ;  $\sigma = 1.38 \text{ mho/m}$ ;  $\epsilon_r = 39.742$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
  - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 1.320 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 9.815 V/m; Power Drift = 0.07 dB

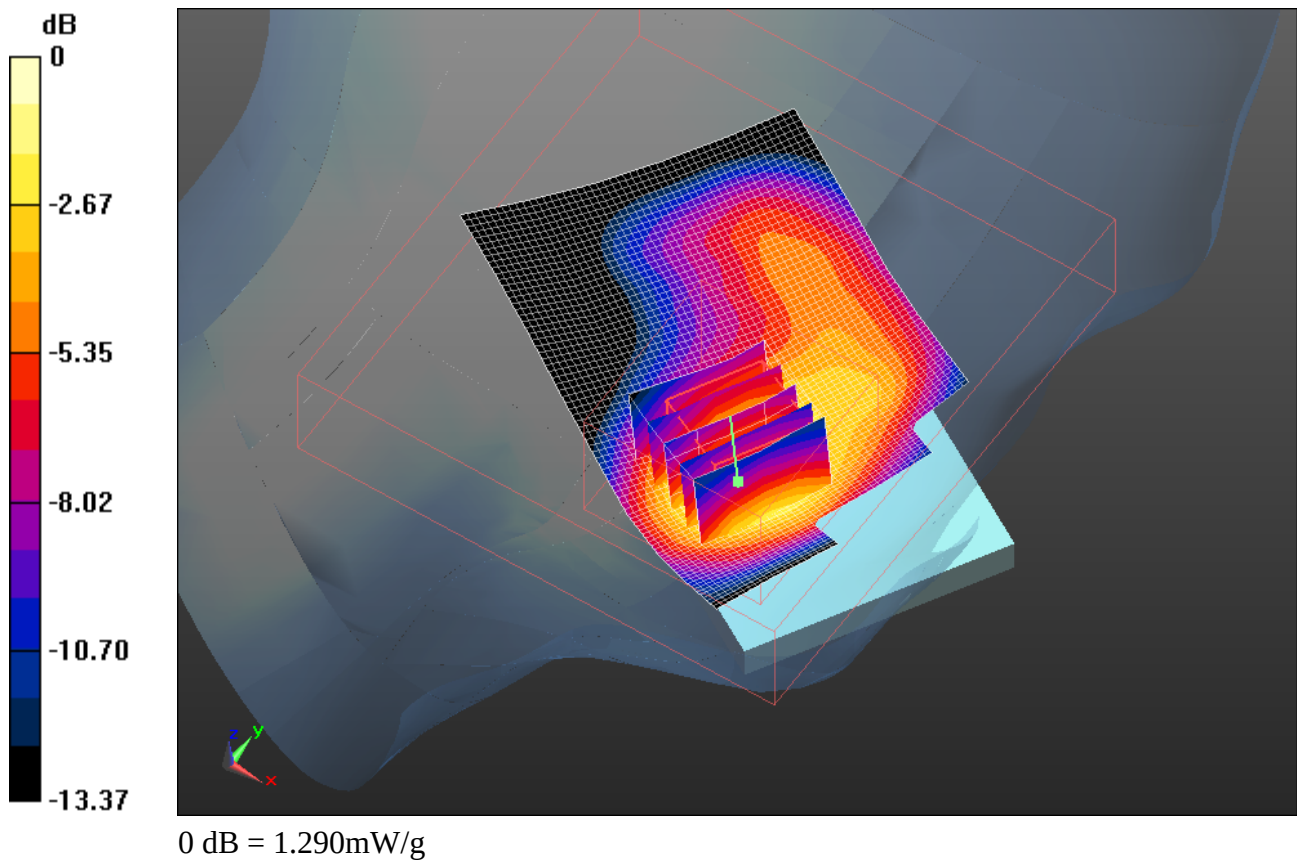
Peak SAR (extrapolated) = 1.765 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.700 mW/g**

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

Maximum value of SAR (measured) = 1.286 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/9/2011 5:03:35 PM, Date/Time: 6/9/2011 5:08:37 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_CDMA1900\_mid\_chan\_amb\_temp\_23.4\_liq\_temp\_22  
.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: CDMA 1900; Communication System Band: CDMA 2000  
PCS; Frequency: 1880 MHz; Communication System PAR: 0 dB  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.351 \text{ mho/m}$ ;  $\epsilon_r = 39.881$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

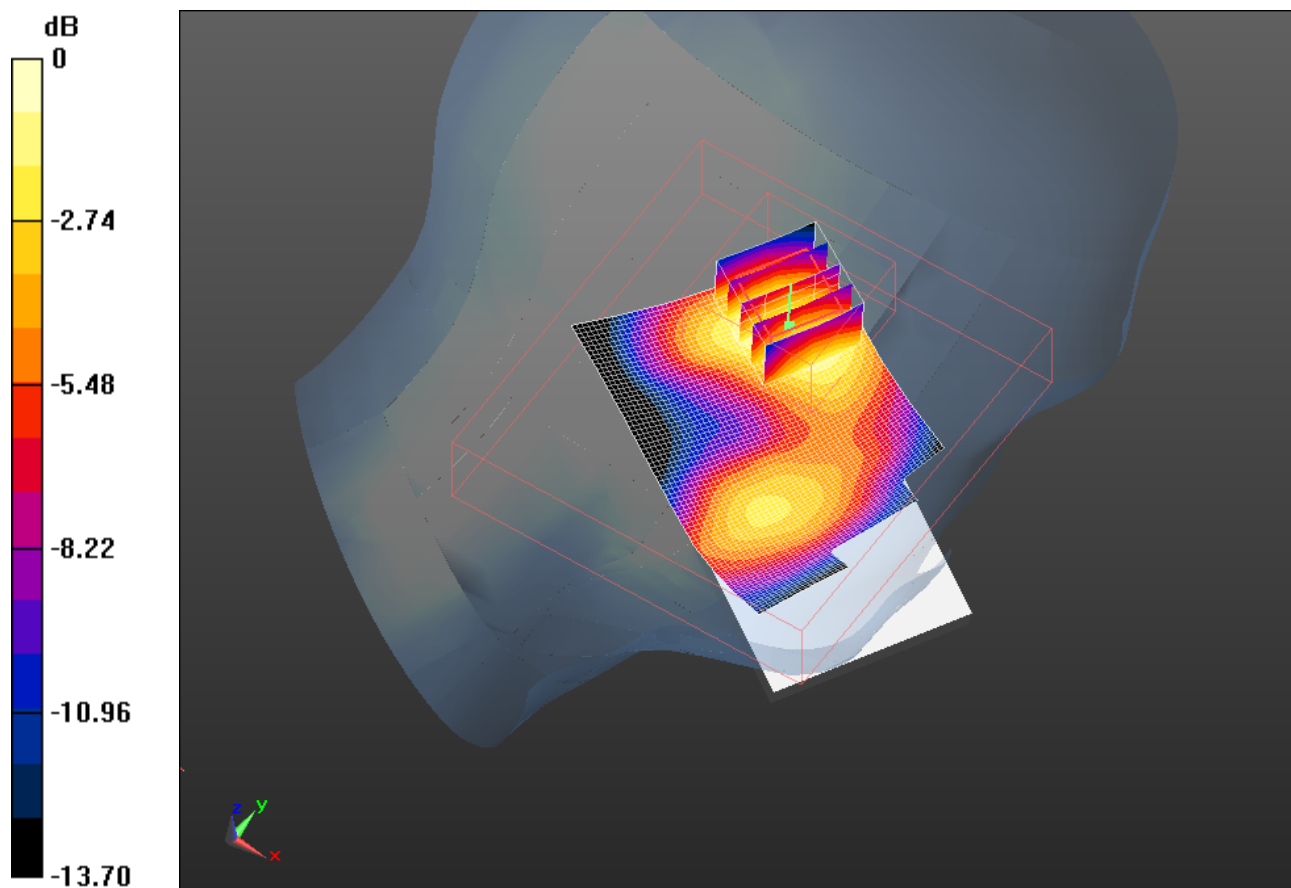
DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (51x81x1):** Measurement grid:  
dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.860 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**  
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 19.130 V/m; Power Drift = -0.15 dB  
Peak SAR (extrapolated) = 1.054 W/kg  
**SAR(1 g) = 0.709 mW/g; SAR(10 g) = 0.429 mW/g**  
Maximum value of SAR (measured) = 0.765 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



0 dB = 0.770mW/g

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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/24/2011 7:58:18 PM, Date/Time: 6/24/2011 8:03:38 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_802.11b\_high\_chan\_amb\_temp\_23.0\_liq\_temp\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;  
Frequency: 2462 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.829$  mho/m;  $\epsilon_r = 37.695$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.174 mW/g

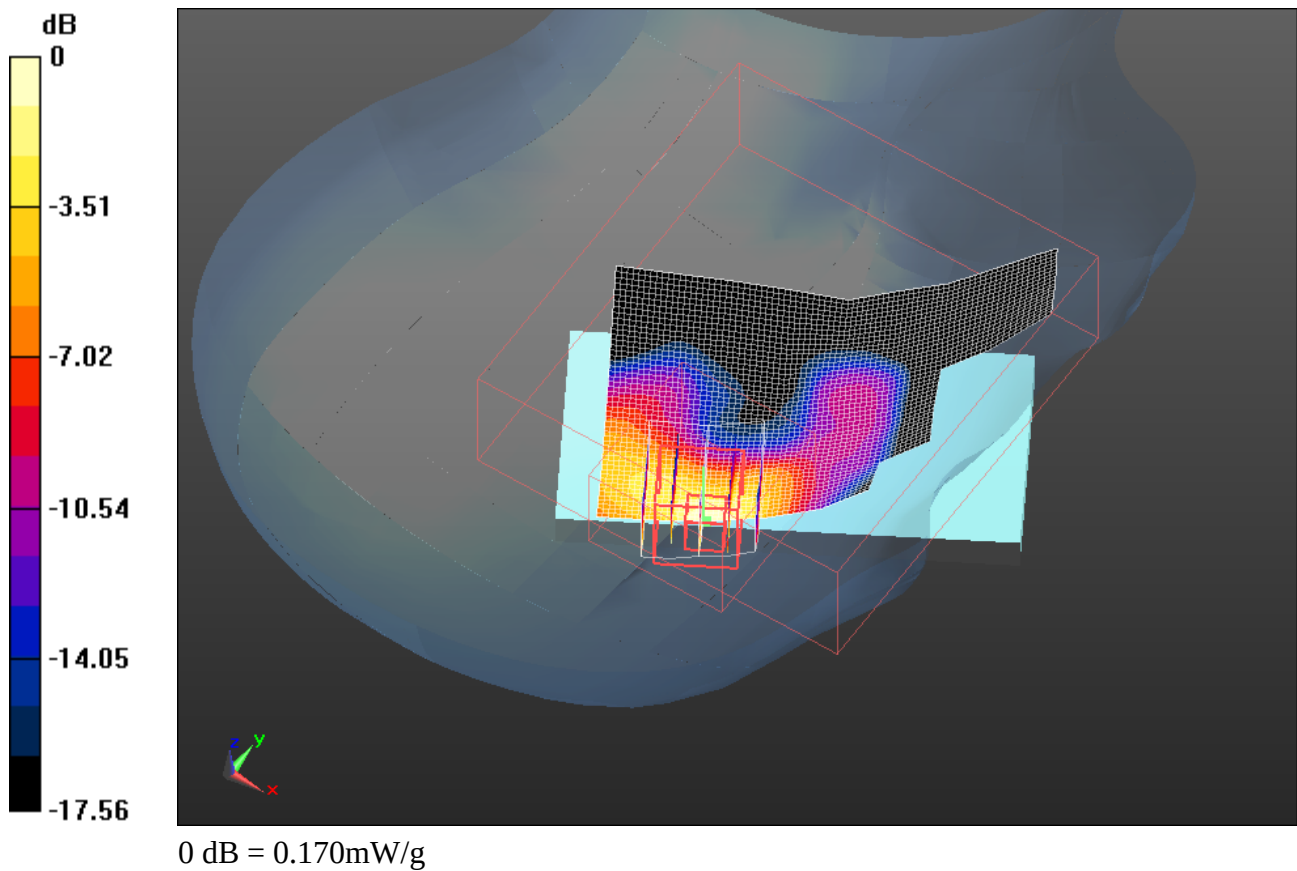
**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 4.059 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.347 W/kg  
**SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.066 mW/g**

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

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

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/24/2011 8:11:48 PM, Date/Time: 6/24/2011 8:16:53 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_802.11b\_high\_chan\_amb\_temp\_23.0\_liq\_temp\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;  
Frequency: 2462 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.829 \text{ mho/m}$ ;  $\epsilon_r = 37.695$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.107 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 5.140 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.198 W/kg

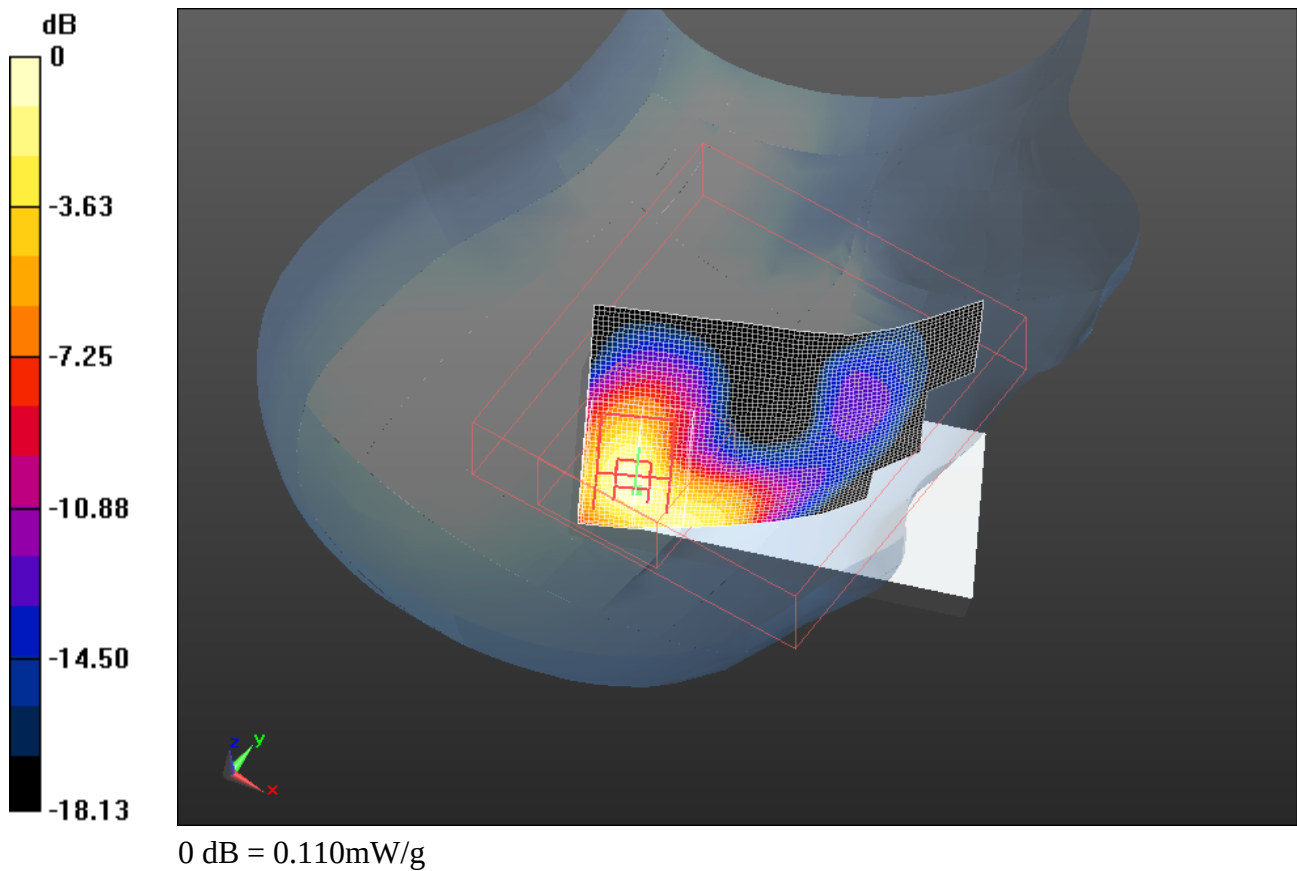
**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.041 mW/g**

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

Maximum value of SAR (measured) = 0.107 mW/g



|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/24/2011 7:02:54 PM, Date/Time: 6/24/2011 7:07:54 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_802.11b\_high\_chan\_amb\_temp\_23.2\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;  
Frequency: 2462 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.829 \text{ mho/m}$ ;  $\epsilon_r = 37.695$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.062 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 4.644 V/m; Power Drift = -0.07 dB

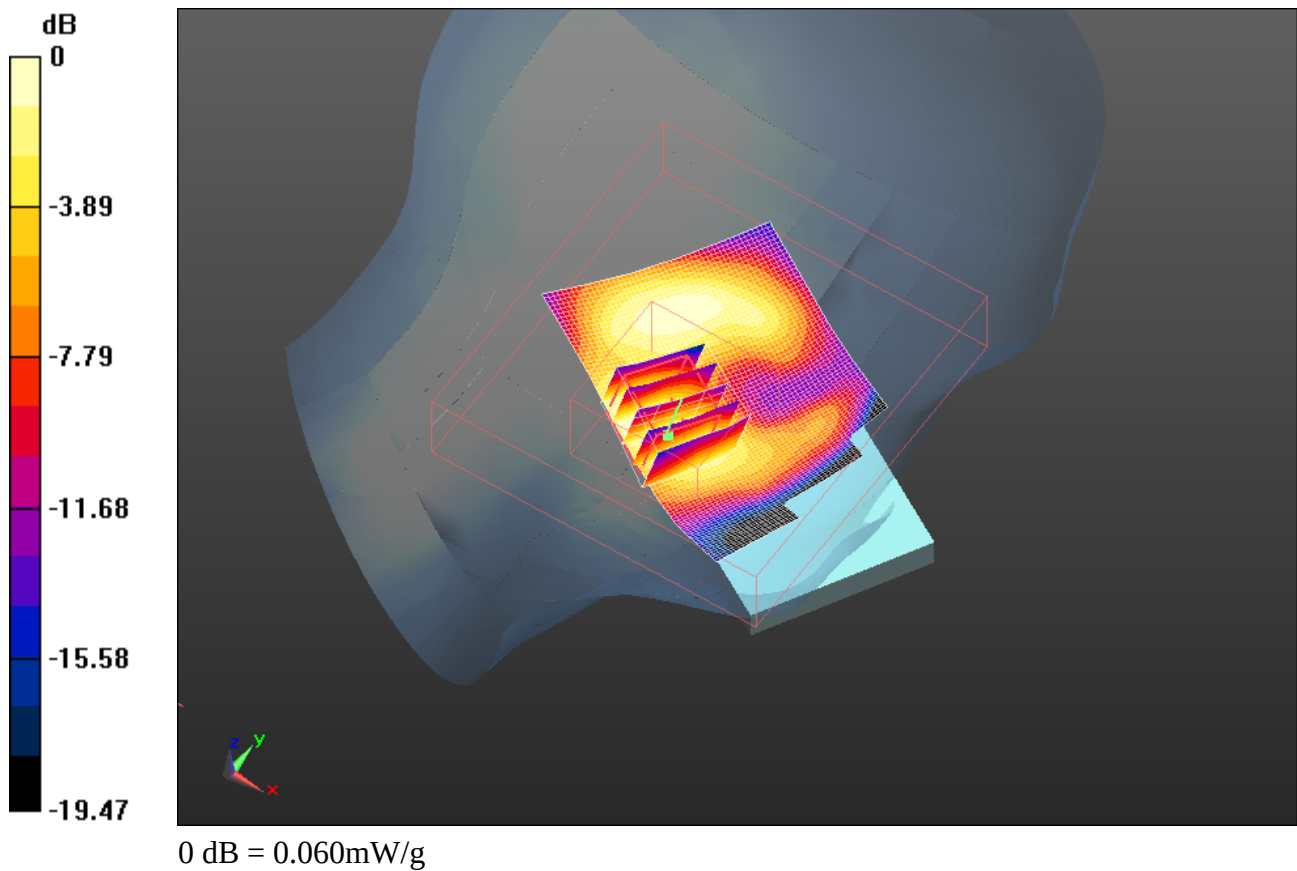
Peak SAR (extrapolated) = 0.110 W/kg

**SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.029 mW/g**

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

Maximum value of SAR (measured) = 0.062 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/24/2011 7:32:46 PM, Date/Time: 6/24/2011 7:37:47 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Tilt\_802.11b\_high\_chan\_amb\_temp\_23.1\_liq\_temp\_22.0**

**C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: 802.11 b (2450); Communication System Band: 802.11 b;  
Frequency: 2462 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.829 \text{ mho/m}$ ;  $\epsilon_r = 37.695$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.057 mW/g

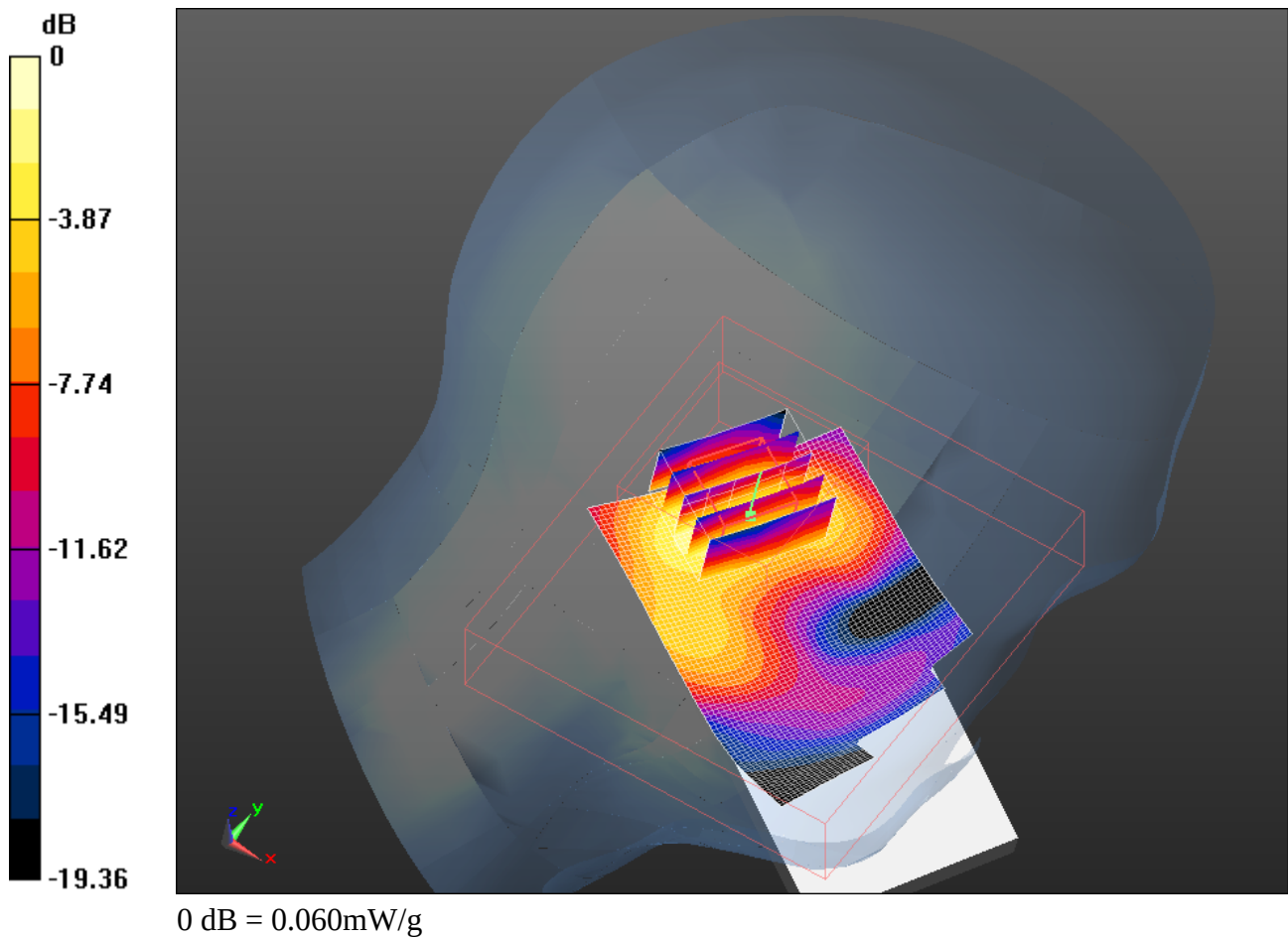
**Configuration/Touch position -/Zoom Scan (5x5x7) (6x5x5)/Cube 0:**

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 5.521 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.093 W/kg  
**SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.025 mW/g**

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

Maximum value of SAR (measured) = 0.058 mW/g

|                                                                                   |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/15/2011 10:11:58 PM, Date/Time: 6/15/2011 10:17:19 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Bluetooth\_mid\_chan\_amb\_temp\_23.8\_liq\_temp\_22.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: Bluetooth; Frequency: 2441 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.883$  mho/m;  $\epsilon_r = 40.624$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.0097 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 0.548 V/m; Power Drift = 4.09 dB

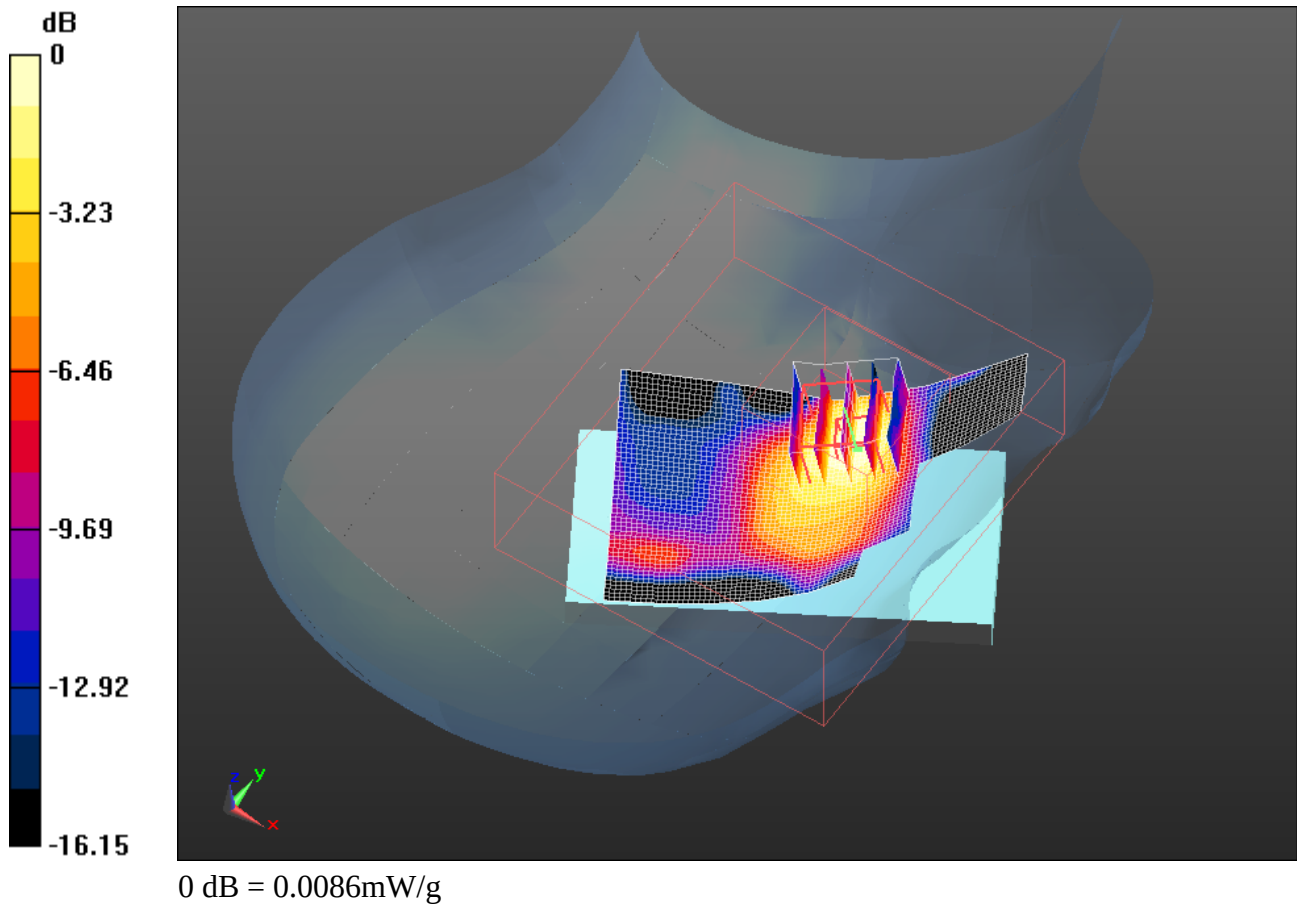
Peak SAR (extrapolated) = 0.020 W/kg

**SAR(1 g) = 0.00813 mW/g; SAR(10 g) = 0.00376 mW/g**

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

Maximum value of SAR (measured) = 0.00861 mW/g

|                                                                                  |                                                                                       |                                           |                              |                               |
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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |

Date/Time: 6/15/2011 10:25:16 PM, Date/Time: 6/15/2011 10:30:36 PM

Test Laboratory: RIM Testing Services

**RightHandSide\_Tilt\_Bluetooth\_mid\_chan\_amb\_temp\_23.7\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: Bluetooth; Frequency: 2441 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated):  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.883 \text{ mho/m}$ ;  $\epsilon_r = 40.624$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.00289 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 1.137 V/m; Power Drift = 0.69 dB

Peak SAR (extrapolated) = 0.00395 W/kg

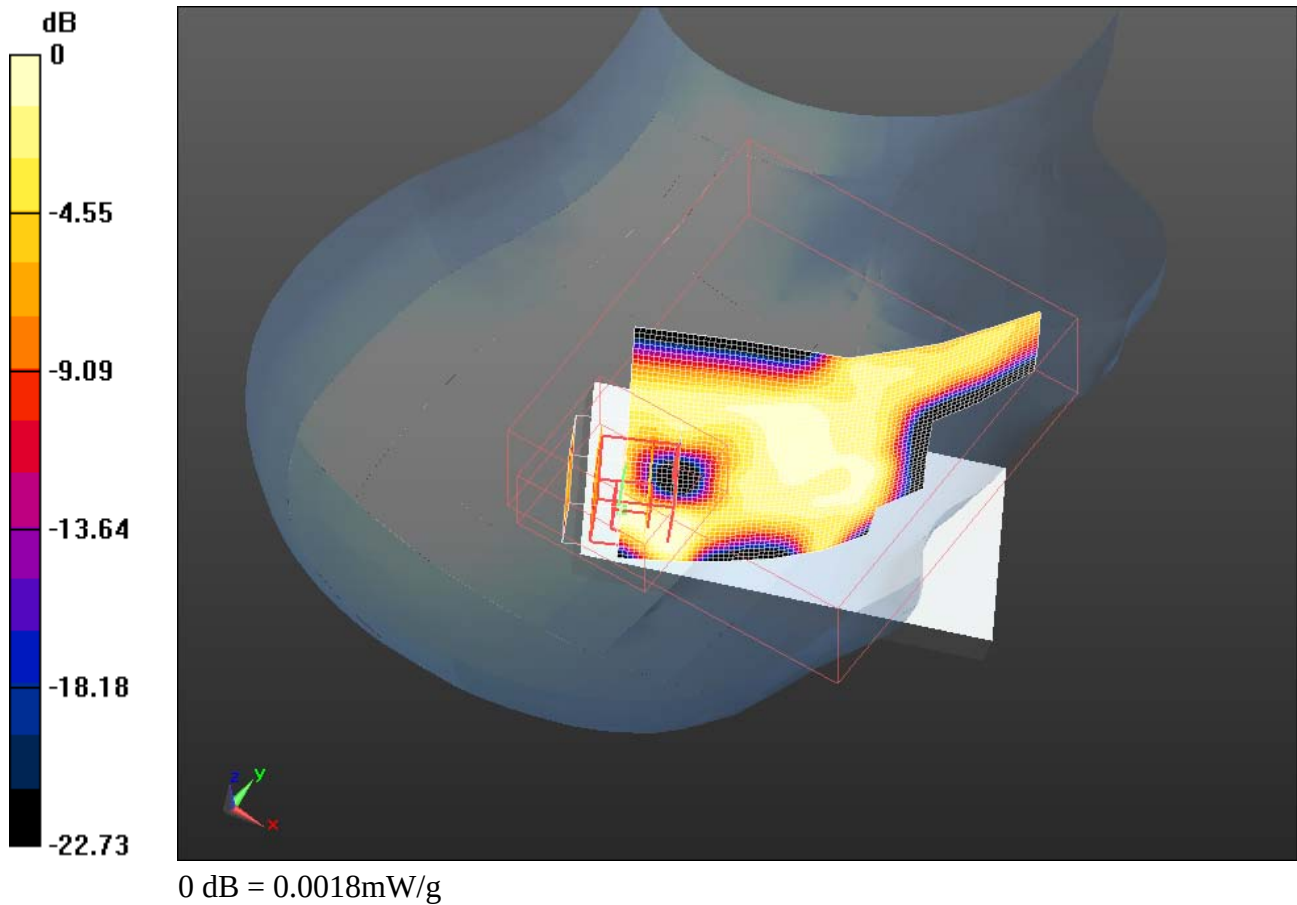
**SAR(1 g) = 0.00158 mW/g; SAR(10 g) = 0.000651 mW/g**

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

Maximum value of SAR (measured) = 0.0018 mW/g



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| Author Data<br><b>Andrew Becker</b>                                              | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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Date/Time: 6/15/2011 10:38:08 PM, Date/Time: 6/15/2011 10:43:11 PM

Test Laboratory: RIM Testing Services

**LeftHandSide\_Bluetooth\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32EFD22F**

Communication System: Bluetooth; Frequency: 2441 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated):  $f = 2441 \text{ MHz}$ ;  $\sigma = 1.883 \text{ mho/m}$ ;  $\epsilon_r = 40.624$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

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

Maximum value of SAR (interpolated) = 0.00536 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**

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

Reference Value = 0.906 V/m; Power Drift = 1.55 dB

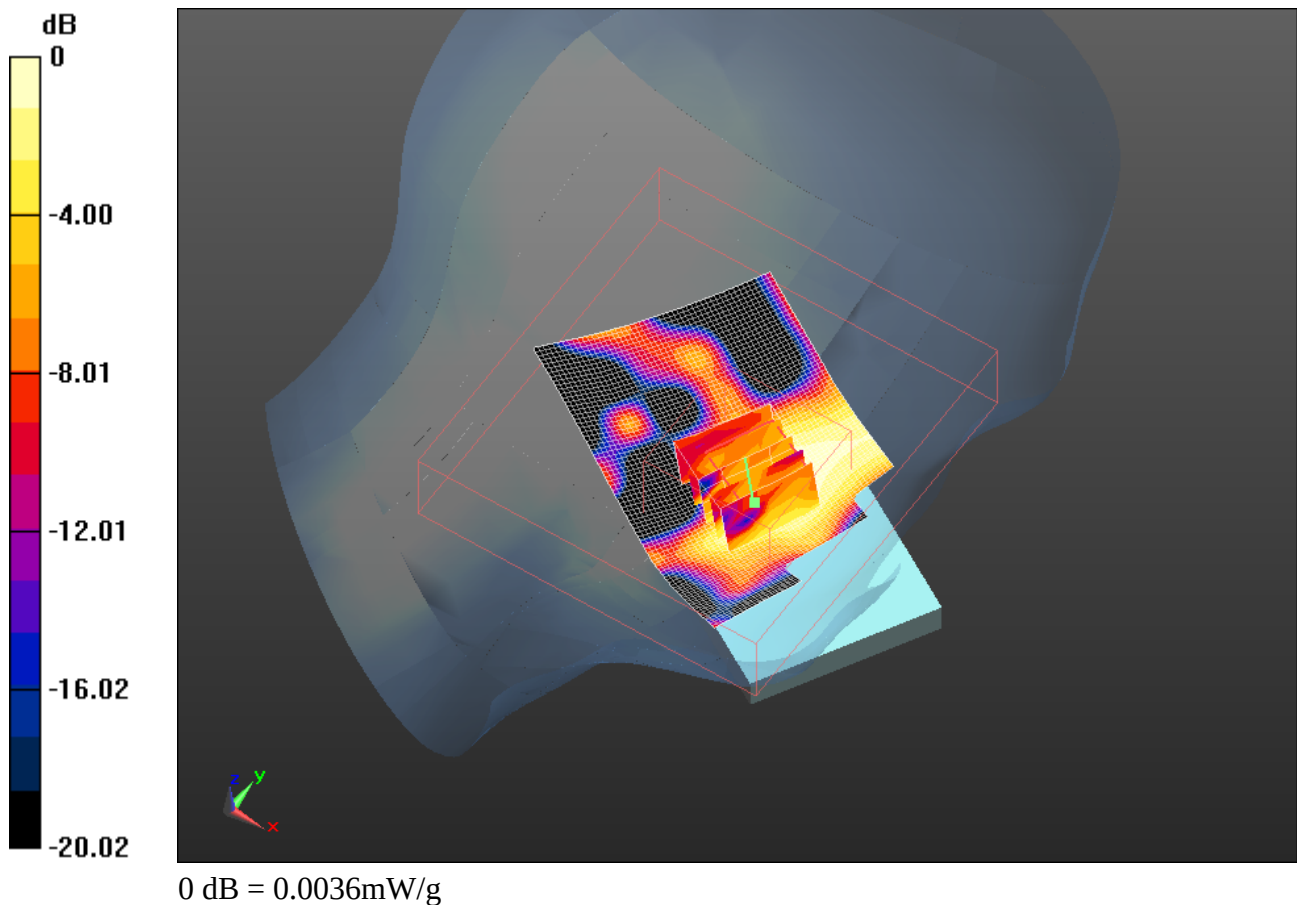
Peak SAR (extrapolated) = 0.00687 W/kg

**SAR(1 g) = 0.00338 mW/g; SAR(10 g) = 0.00198 mW/g**

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

Maximum value of SAR (measured) = 0.00361 mW/g

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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>May 3 – June 28, 2011</b>                                         | Test Report No<br><b>RTS-2604-1107-06</b> | FCC ID:<br><b>L6ARDS40CW</b> | IC ID<br><b>2503A-RDS40CW</b> |



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

