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	Author Data <b>Andrew Becker</b>	Dates of Test <b>August 13, Sep 09 2010</b>	Test Report No <b>RTS-2068-1008-53</b>	FCC ID: <b>L6ARCL20CW</b>

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

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Test Laboratory: RIM Testing Services

**Horizontal\_Holster\_Back\_CDMA800\_low\_chan\_amb\_temp\_22.8C\_liq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 324AD10E**

Communication System: CDMA 800; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.949$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.97, 5.97, 5.97); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.670 mW/g

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

Reference Value = 26.8 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.803 W/kg

**SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.459 mW/g**

Maximum value of SAR (measured) = 0.653 mW/g

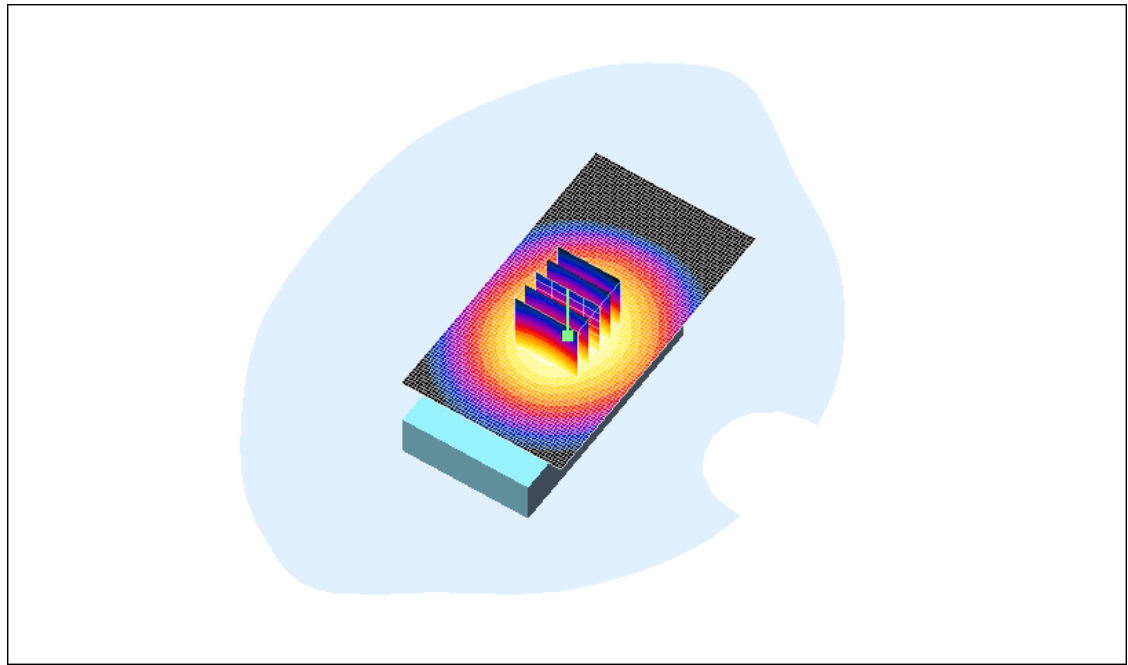
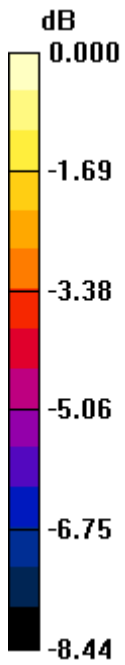
Author Data  
**Andrew Becker**

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0 dB = 0.653mW/g

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Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_CDMA1900\_mid\_chan\_amb\_temp\_22.8C\_liq\_temp\_21.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 324AD10E**

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 51$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.297 mW/g

**Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 8.33 V/m; Power Drift = 1.26 dB  
Peak SAR (extrapolated) = 0.439 W/kg  
**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.161 mW/g**  
Maximum value of SAR (measured) = 0.304 mW/g

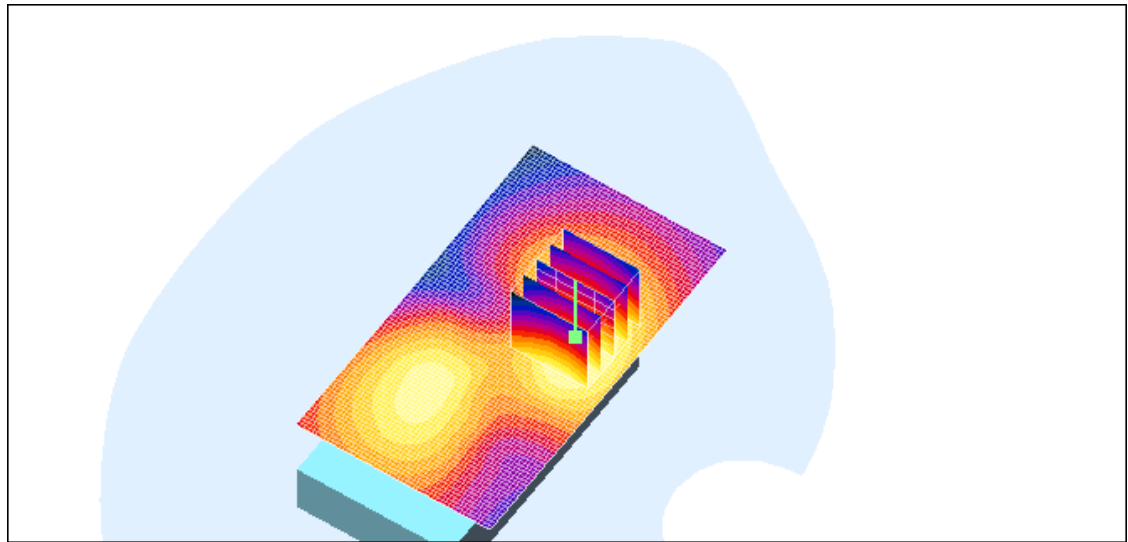
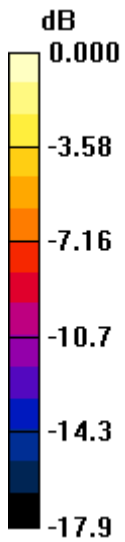
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0 dB = 0.304mW/g

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Test Laboratory: RIM Testing Services

**Horizontal\_Holster\_Back\_CDMA1900\_mid\_chan\_amb\_temp\_23.7C\_liq\_t  
emp\_21.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 324AD10E**

Communication System: CDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 51$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section  
Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.9, 4.9, 4.9); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.501 mW/g

**Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  
 $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 5.90 V/m; Power Drift = -0.672 dB  
Peak SAR (extrapolated) = 0.668 W/kg  
**SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.256 mW/g**  
Maximum value of SAR (measured) = 0.476 mW/g

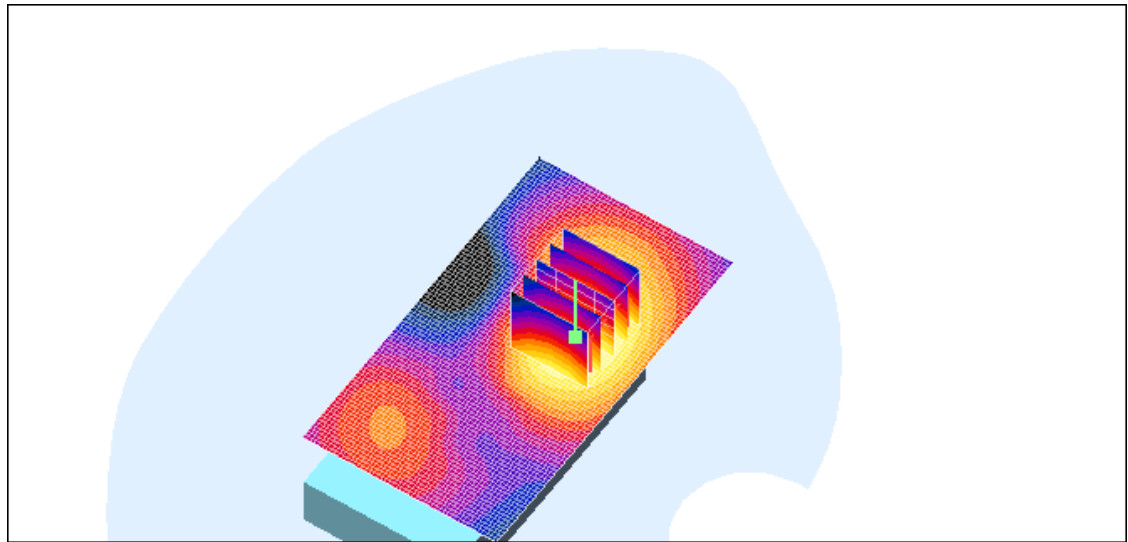
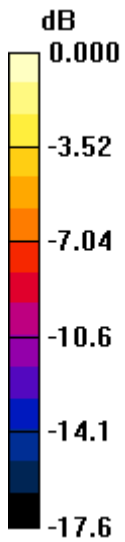
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0 dB = 0.476mW/g



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

