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	<b>Appendix A for the BlackBerry® Smartphone Model RFD31CW SAR Report</b>			<b>1(5)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
<b>Andrew Becker</b>	<b>February 23 – March 19, 2012</b>	<b>RTS-5994-1203-78</b>	<b>L6ARFD30CW</b>	<b>2503A-RFD30CW</b>

**APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION**

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
Andrew Becker	February 23 – March 19, 2012	RTS-5994-1203-78	L6ARFD30CW	2503A-RFD30CW

Date/Time: 3/16/2012 11:06:46 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_03\_16\_12\_Amb\_Tem\_22.0\_Liq\_Tem\_21.2C

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446**

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.883 \text{ mho/m}$ ;  $\epsilon_r = 39.884$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement

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

Maximum value of SAR (interpolated) = 10.957 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 114.2 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 13.6490

**SAR(1 g) = 9.24 mW/g; SAR(10 g) = 6.05 mW/g**

Maximum value of SAR (measured) = 10.860 mW/g

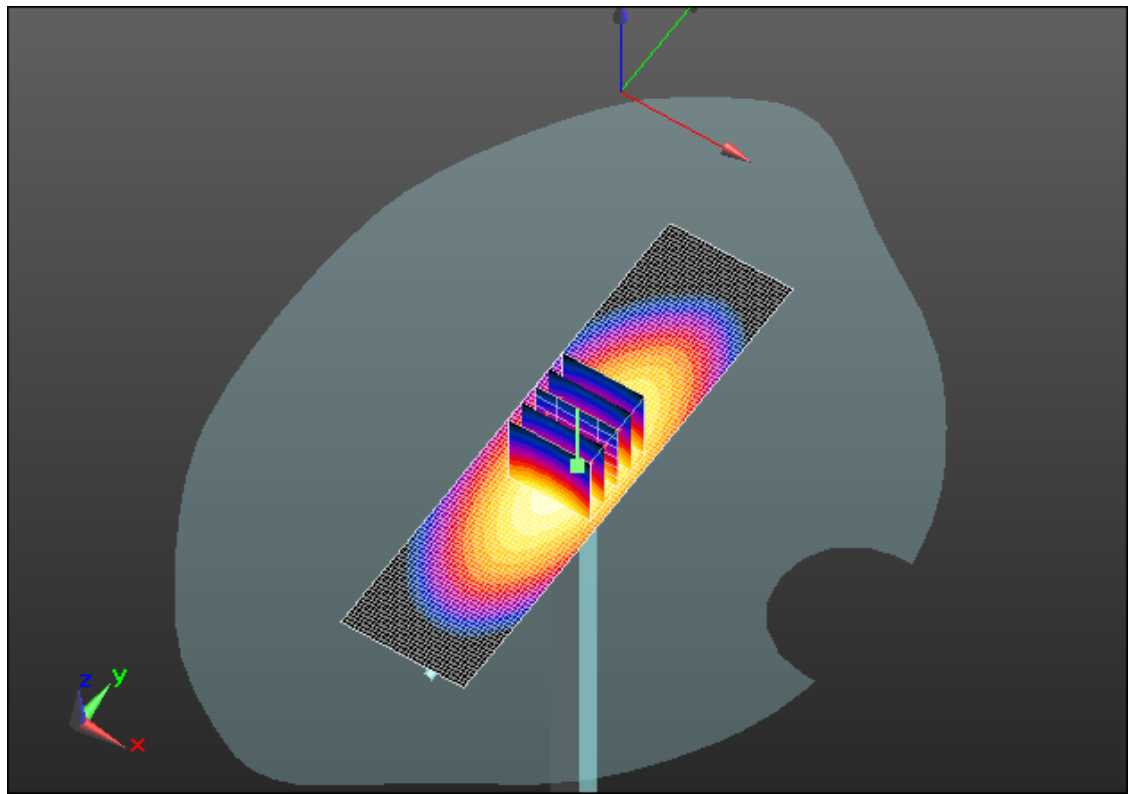
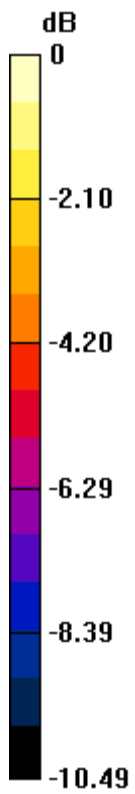
Author Data  
**Andrew Becker**

Dates of Test  
**February 23 – March 19, 2012**


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0 dB = 10.860mW/g = 20.72 dB mW/g

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<b>Andrew Becker</b>	<b>February 23 – March 19, 2012</b>	<b>RTS-5994-1203-78</b>	<b>L6ARFD30CW</b>	<b>2503A-RFD30CW</b>

Date/Time: 3/19/2012 9:49:37 AM

Test Laboratory: RIM Testing Services

## DipoleValidation\_835MHz\_03\_19\_12\_Amb\_Tem\_22.2\_Liq\_Tem\_21.3C

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446**

Communication System: CW; Frequency: 835 MHz

Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.889 \text{ mho/m}$ ;  $\epsilon_r = 41.122$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.06, 6.06, 6.06); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

**Configuration/d=15mm, Pin=1000mW/Area Scan (31x121x1):** Measurement

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

Maximum value of SAR (interpolated) = 10.972 mW/g

**Configuration/d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 2**

**(5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 114.4 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 13.7110

**SAR(1 g) = 9.28 mW/g; SAR(10 g) = 6.07 mW/g**

Maximum value of SAR (measured) = 10.846 mW/g

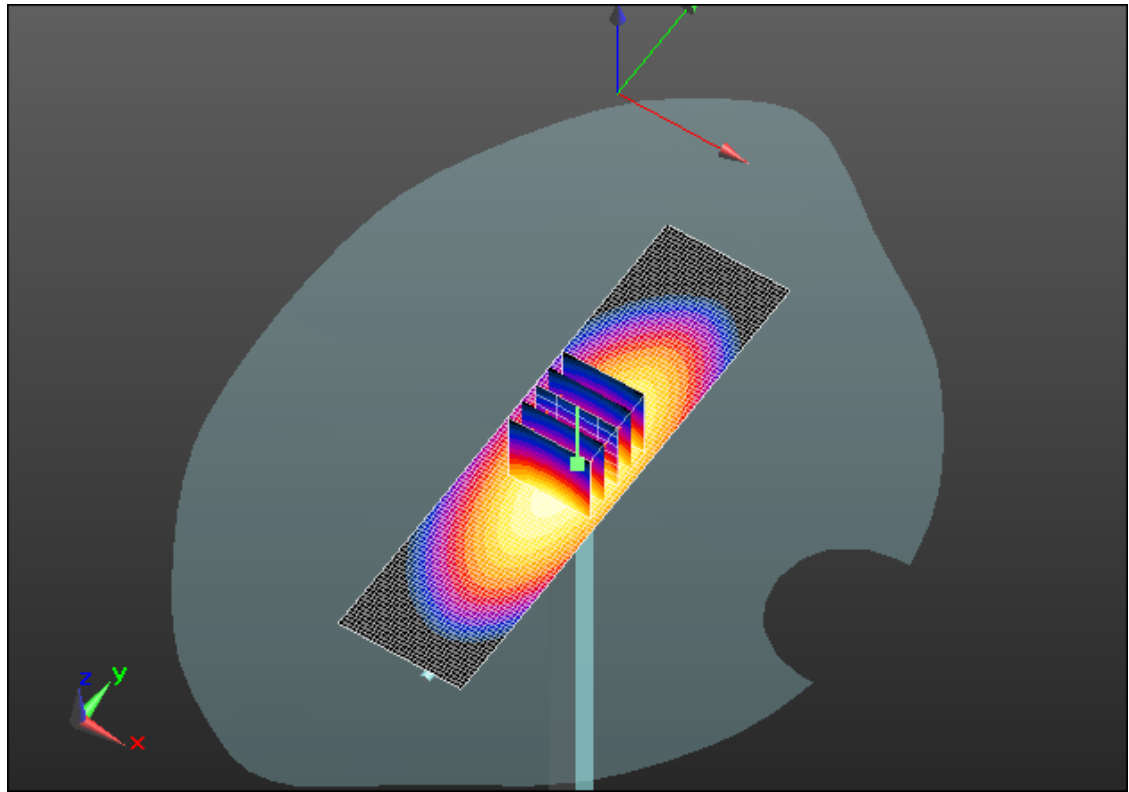
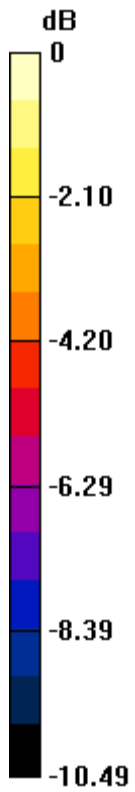
Author Data  
**Andrew Becker**

Dates of Test  
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**L6ARFD30CW**

IC ID  
**2503A-RFD30CW**



0 dB = 10.850mW/g = 20.71 dB mW/g