Testing Services™	Appendix A for the Blac SAR Report	V Page 1(9)		
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW

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

Testing Services	Appendix A for the Black SAR Report	N Page 2(9)		
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW

Date/Time: 4/22/2010 10:04:22 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

Dipole Validation 835 MHz Amb Tem 23.1 Liq Tem 21.8 C 04 22 10.da4

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

Program Name: System Performance Check at 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: f = 835 MHz;  $\sigma = 0.931$  mho/m;  $\varepsilon_r = 39.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### DASY4 Configuration:

- Probe: ES3DV3 SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement

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

Reference Value = 107.9 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 9.84 mW/g; SAR(10 g) = 6.46 mW/g

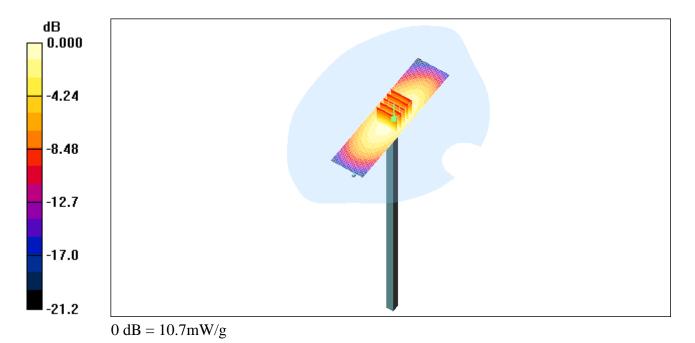
Maximum value of SAR (measured) = 10.6 mW/g

# d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm,

dy=15mm

Maximum value of SAR (interpolated) = 10.7 mW/g

Testing Services <sup>**</sup>	Appendix A for the Blac SAR Report	ekBerry® Smartphone	e Model RCW41GV	N Page 3(9)
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW



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Testing Services	Appendix A for the Black SAR Report	N Page 4(9)		
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW

Date/Time: 4/26/2010 8:05:12 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

Dipole Validation 835MHz Amb Tem 22.9 Liq Tem 22.4C 04 26 10.da4

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446 Program Name: System Performance Check at 835 MHz

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: f = 835 MHz;  $\sigma = 0.903$  mho/m;  $\varepsilon_r = 42.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

#### DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 12/11/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement

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

Reference Value = 106.0 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 9.16 mW/g; SAR(10 g) = 6.02 mW/g

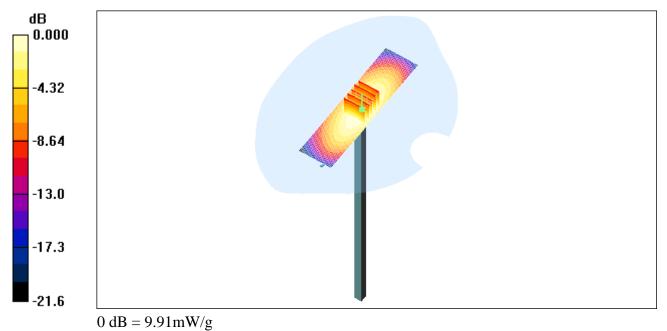
Maximum value of SAR (measured) = 9.92 mW/g

## d=15mm, Pin=1000mW/Area Scan (31x121x1): Measurement grid: dx=15mm,

dy=15mm

Maximum value of SAR (interpolated) = 9.91 mW/g

Testing Services	Appendix A for the Black SAR Report	W Page 5(9)		
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW



Testing Services™	Appendix A for the Black SAR Report	V Page <b>6(9)</b>			
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:	
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40	<b>)GW</b>

Date/Time: 3/24/2010 8:39:21 PM

Test Laboratory: RIM TESTING SERVICES

File Name:

Dipole Validation 1900MHz Amb Tem 22.7 Liq Tem 22.3 C 03 24 10.da4

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

Program Name: System Performance Check at 1900 MHz

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: f = 1900 MHz;  $\sigma = 1.43 \text{ mho/m}$ ;  $\varepsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

## DASY4 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.14, 5.14, 5.14); Calibrated: 12/11/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn473; Calibrated: 1/4/2010

- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

#### d=15mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement

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

Reference Value = 180.3 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 76.9 W/kg

SAR(1 g) = 40.9 mW/g; SAR(10 g) = 21 mW/g

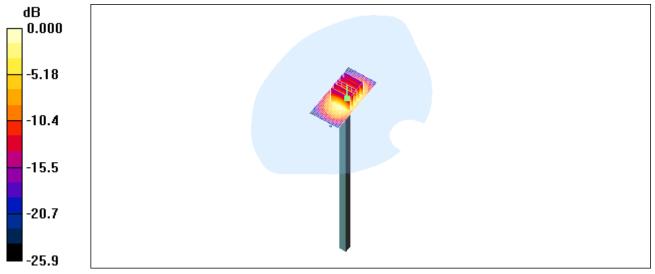
Maximum value of SAR (measured) = 46.2 mW/g

## d=15mm, Pin=1000mW/Area Scan (31x61x1): Measurement grid: dx=15mm,

dy=15mm

Maximum value of SAR (interpolated) = 46.4 mW/g

Testing Services	Appendix A for the Black SAR Report	W Page <b>7(9)</b>		
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW



0 dB = 46.4 mW/g

Testing Services™	Appendix A for the Black SAR Report	Page <b>8(9)</b>			
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:	
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A	A-RCW40GW

Date/Time: 3/15/2010 11:55:17 AM

File Name: DipoleValidation\_2450MHz\_Amb\_Tem\_23.0\_Liq\_Tem\_21.2C.da4

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:747 Program Name: System Performance Check at 2450 MHz

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz;  $\sigma = 1.88 \text{ mho/m}$ ;  $\varepsilon_r = 37.9$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

#### DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.5, 4.5, 4.5); Calibrated: 11/11/2009

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn473; Calibrated: 1/4/2010

- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

## d=10mm, Pin=1000mW/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement

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

Reference Value = 185.2 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 130.5 W/kg

SAR(1 g) = 57.2 mW/g; SAR(10 g) = 26.1 mW/g

Maximum value of SAR (measured) = 63.7 mW/g

# d=10mm, Pin=1000mW/Area Scan (31x41x1): Measurement grid: dx=15mm,

dy=15mm

Maximum value of SAR (interpolated) = 64.2 mW/g

Testing Services™	Appendix A for the Black SAR Report	ckBerry® Smartphon	e Model RCW41GV	N Page 9(9)
Author Data	Dates of Test	Test Report No	FCC ID:	IC ID:
Andrew Becker	Mar 15 – Apr 26, 2010	RTS-2341-1004-61	L6ARCW40GW	2503A-RCW40GW

