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

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<b>Andrew Becker</b>	<b>Apr 13 – July 11, 2011</b>	<b>RTS-2579-1106-34B</b>	<b>L6ARDX70UW</b>	<b>2503A-RDX70UW</b>

Date/Time: 6/7/2011 5:53:29 PM, Date/Time: 6/7/2011 6:00:43 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_GPRS850\_low\_chan\_amb\_temp\_23.5\_liq\_temp\_2**

**2.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 824.2 MHz; Communication System PAR: 6.232 dB  
Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 53.791$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.775 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 26.473 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.956 W/kg

**SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.520 mW/g**

Maximum value of SAR (measured) = 0.765 mW/g

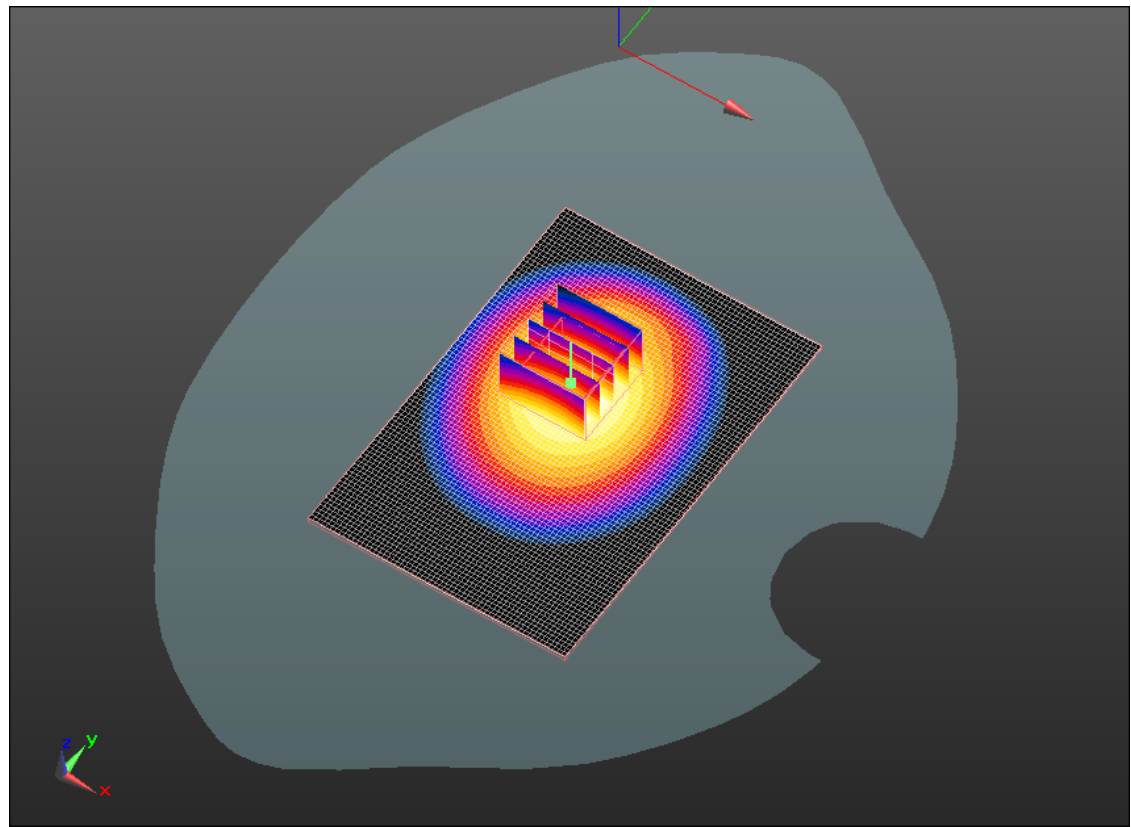
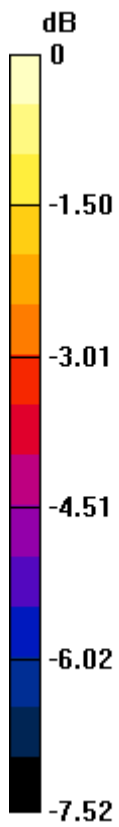
Author Data  
**Andrew Becker**

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0 dB = 0.760mW/g

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Date/Time: 6/7/2011 5:33:28 PM, Date/Time: 6/7/2011 5:40:45 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_GPRS850\_mid\_chan\_amb\_temp\_23.5\_liq\_temp\_2**

**2.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 836.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.084 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 30.091 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.327 W/kg  
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.727 mW/g**

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

Maximum value of SAR (measured) = 1.070 mW/g

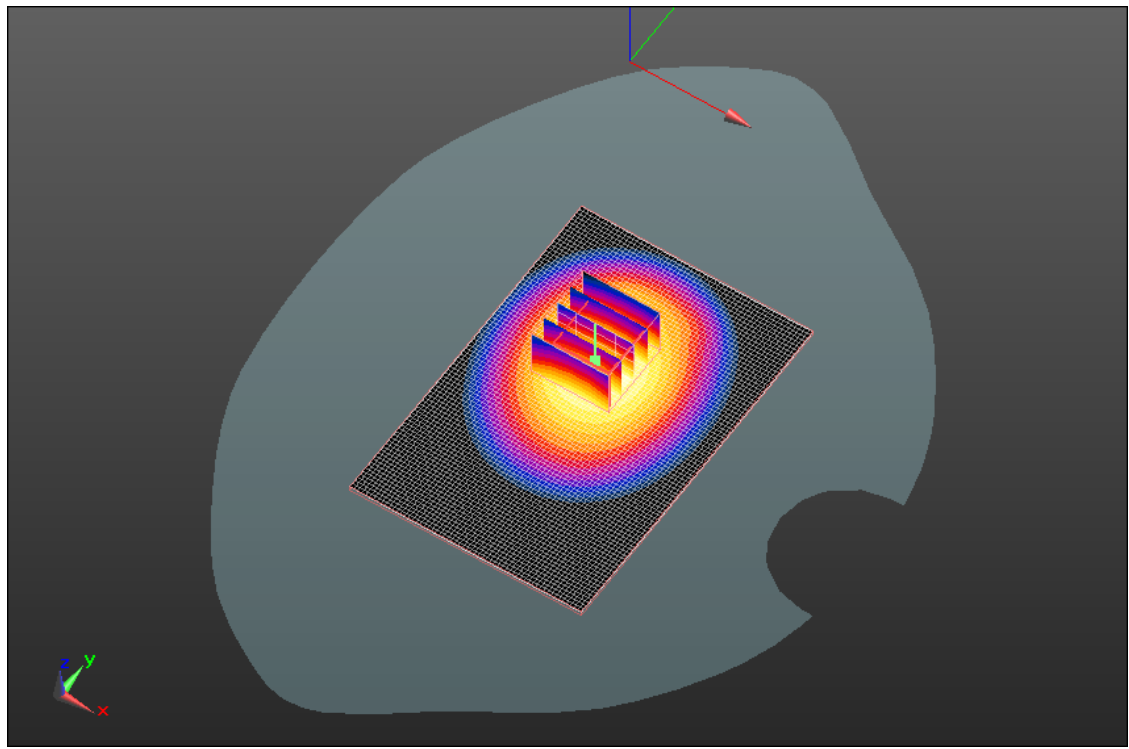
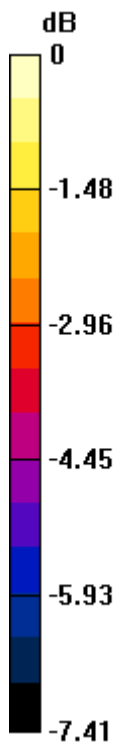
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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0 dB = 1.070mW/g

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Date/Time: 6/7/2011 6:06:59 PM, Date/Time: 6/7/2011 6:14:11 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Back\_GPRS850\_high\_chan\_amb\_temp\_23.6\_liq\_temp\_22.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 848.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.004$  mho/m;  $\epsilon_r = 53.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.129 mW/g

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

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

Reference Value = 31.961 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.421 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.757 mW/g**

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

Maximum value of SAR (measured) = 1.130 mW/g

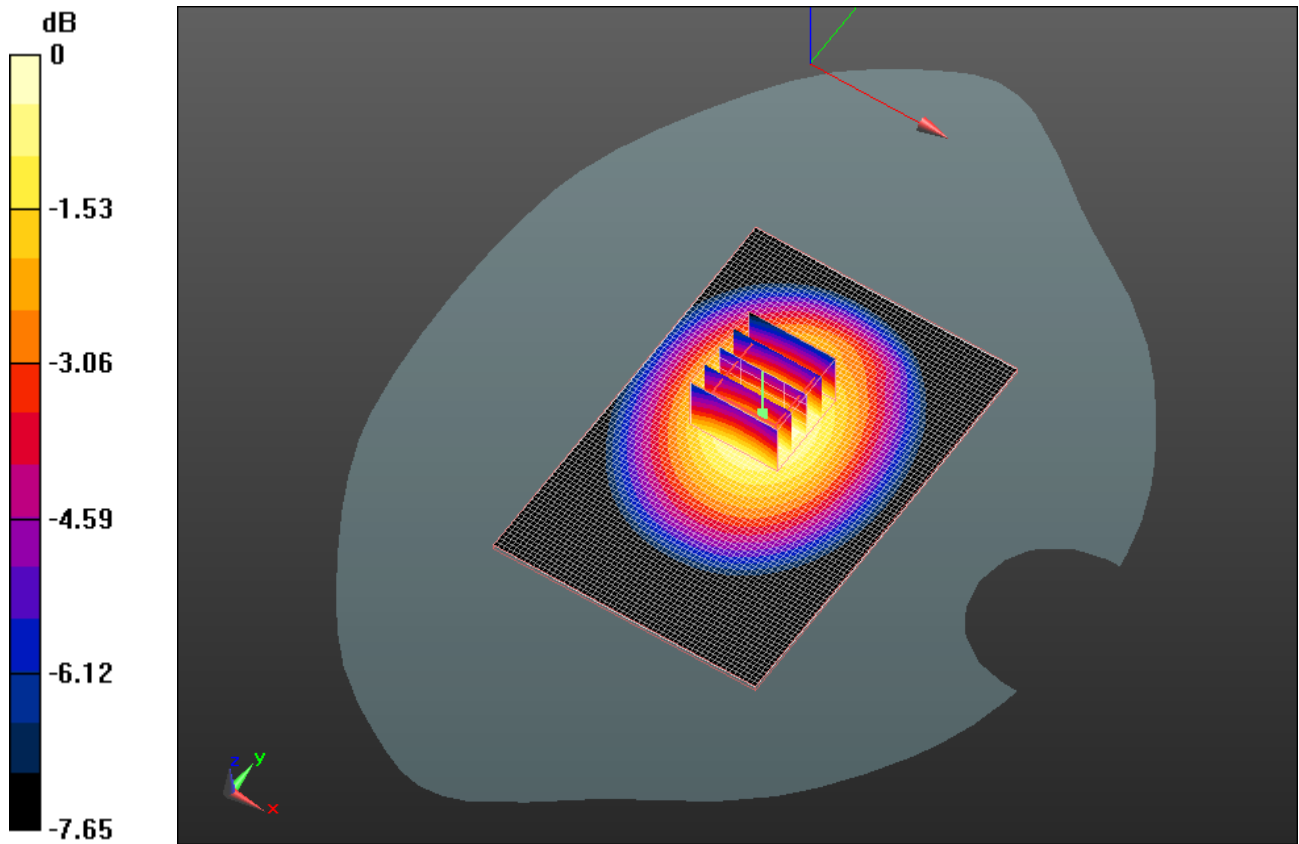
Author Data  
**Andrew Becker**

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0 dB = 1.130mW/g

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Date/Time: 6/7/2011 6:23:21 PM, Date/Time: 6/7/2011 6:30:35 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_GPRS850\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_22.1C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 836.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.942 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 29.903 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 1.115 W/kg  
**SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.645 mW/g**

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

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



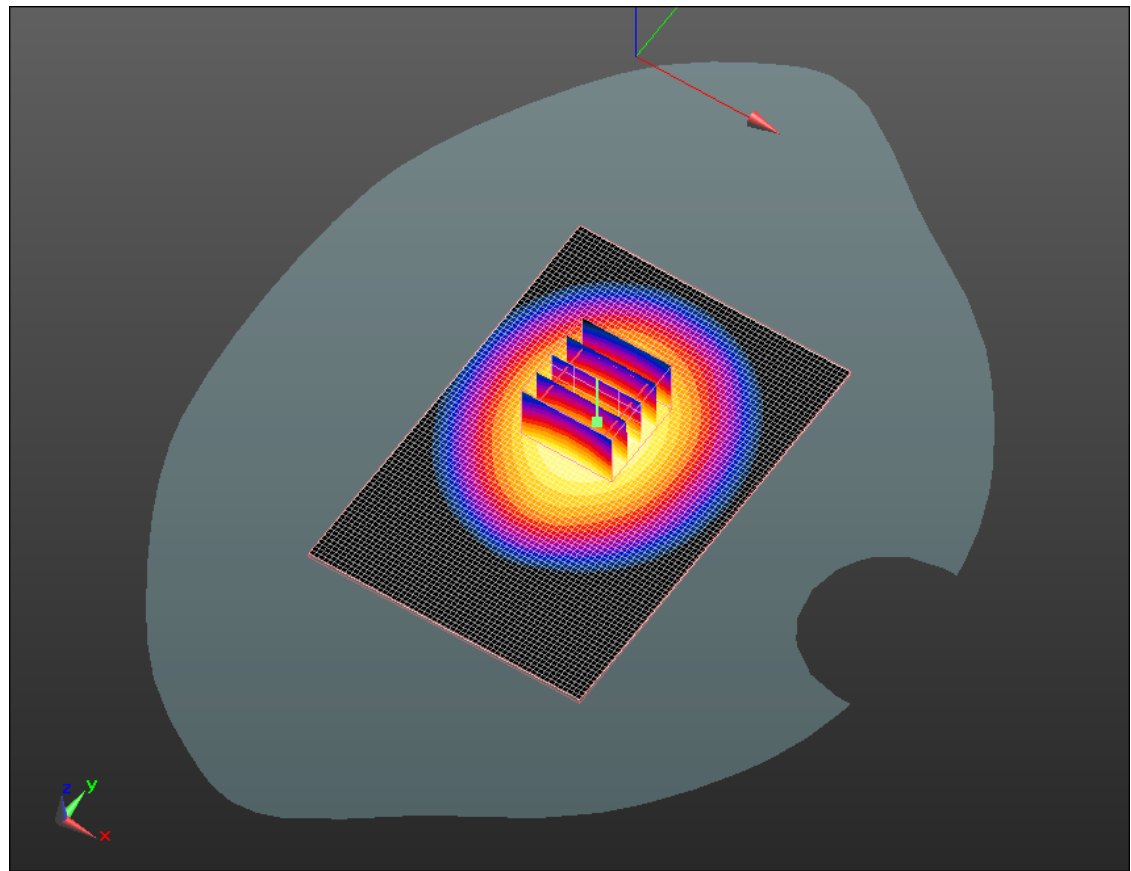
Author Data  
**Andrew Becker**

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0 dB = 0.930mW/g

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Date/Time: 6/7/2011 6:43:33 PM, Date/Time: 6/7/2011 6:50:46 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Front\_GPRS850\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_2 1.9C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 836.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 836.8$  MHz;  $\sigma = 0.994$  mho/m;  $\epsilon_r = 53.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.751 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
Reference Value = 23.394 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.930 W/kg  
**SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.504 mW/g**

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

Maximum value of SAR (measured) = 0.752 mW/g

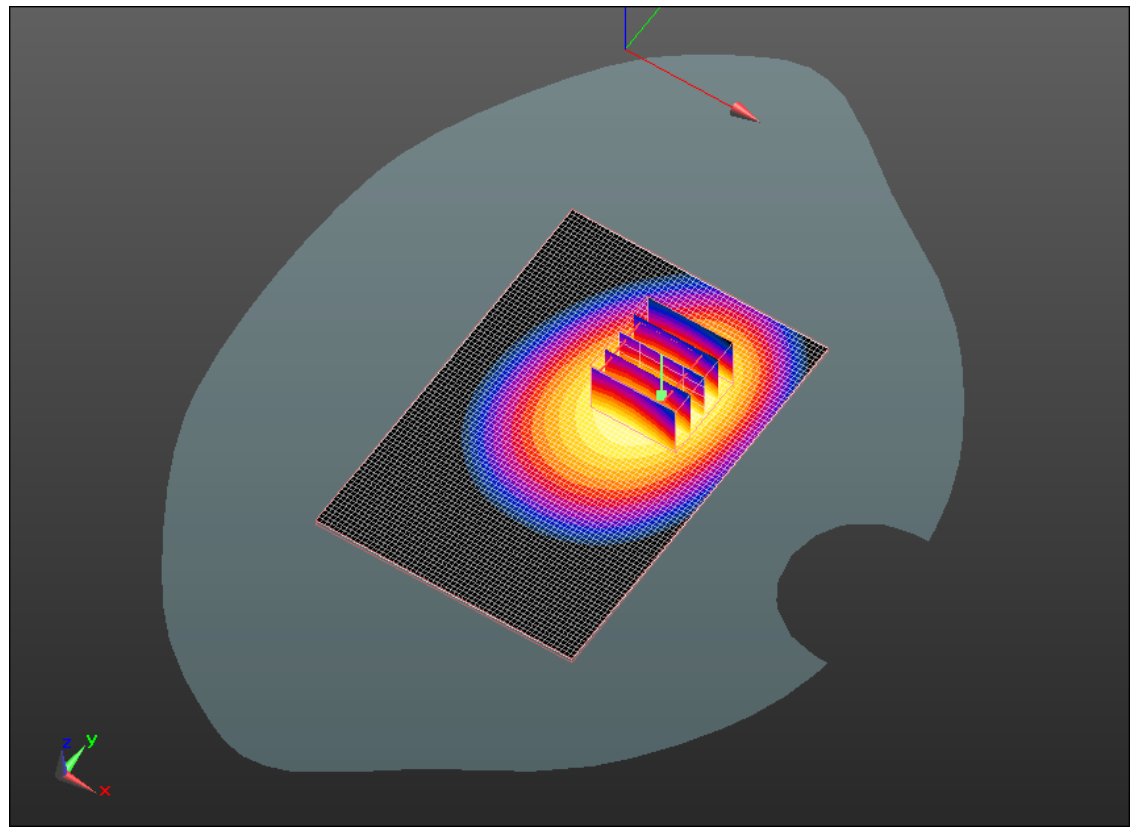
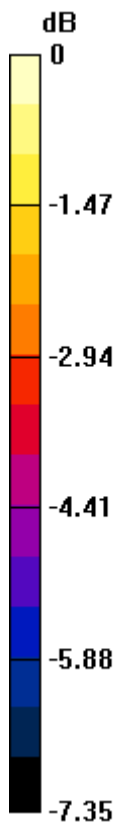
Author Data  
**Andrew Becker**

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0 dB = 0.750mW/g

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Date/Time: 6/7/2011 7:00:23 PM, Date/Time: 6/7/2011 7:07:37 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_GPRS850\_high\_chan\_amb\_temp\_23.1\_I  
iq\_temp\_22.0C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 848.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.004$  mho/m;  $\epsilon_r = 53.541$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.816 mW/g

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

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

Reference Value = 26.663 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.016 W/kg

**SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.538 mW/g**

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

Maximum value of SAR (measured) = 0.803 mW/g

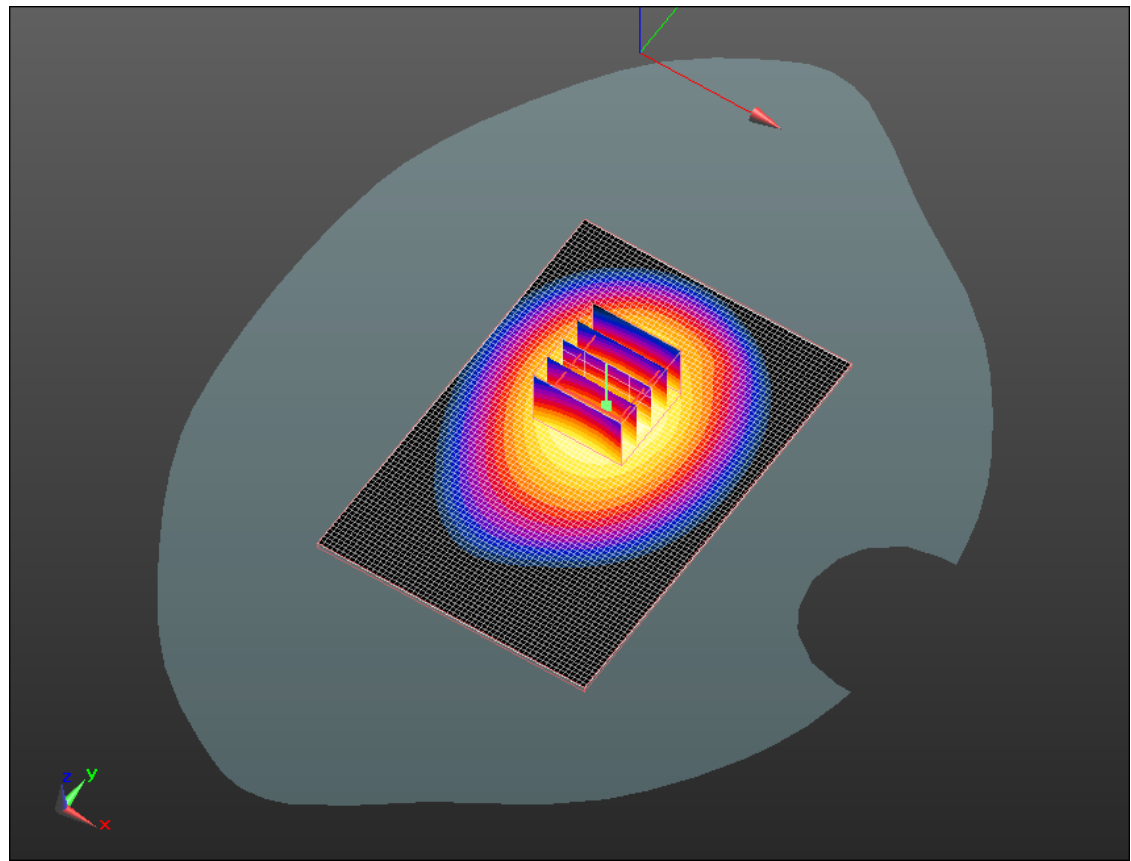
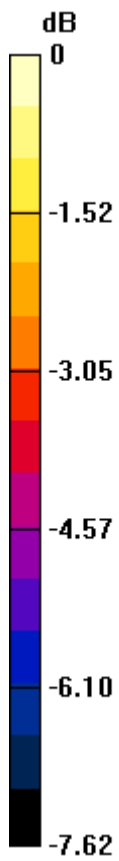
Author Data  
**Andrew Becker**

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0 dB = 0.800mW/g

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Date/Time: 5/3/2011 12:54:51 PM, Date/Time: 5/3/2011 1:01:44 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_GSM1900\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_2**

**2.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System

PAR: 9.191 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  mho/m;  $\epsilon_r = 51.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.262 mW/g

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

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

Reference Value = 8.890 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.356 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.256 mW/g

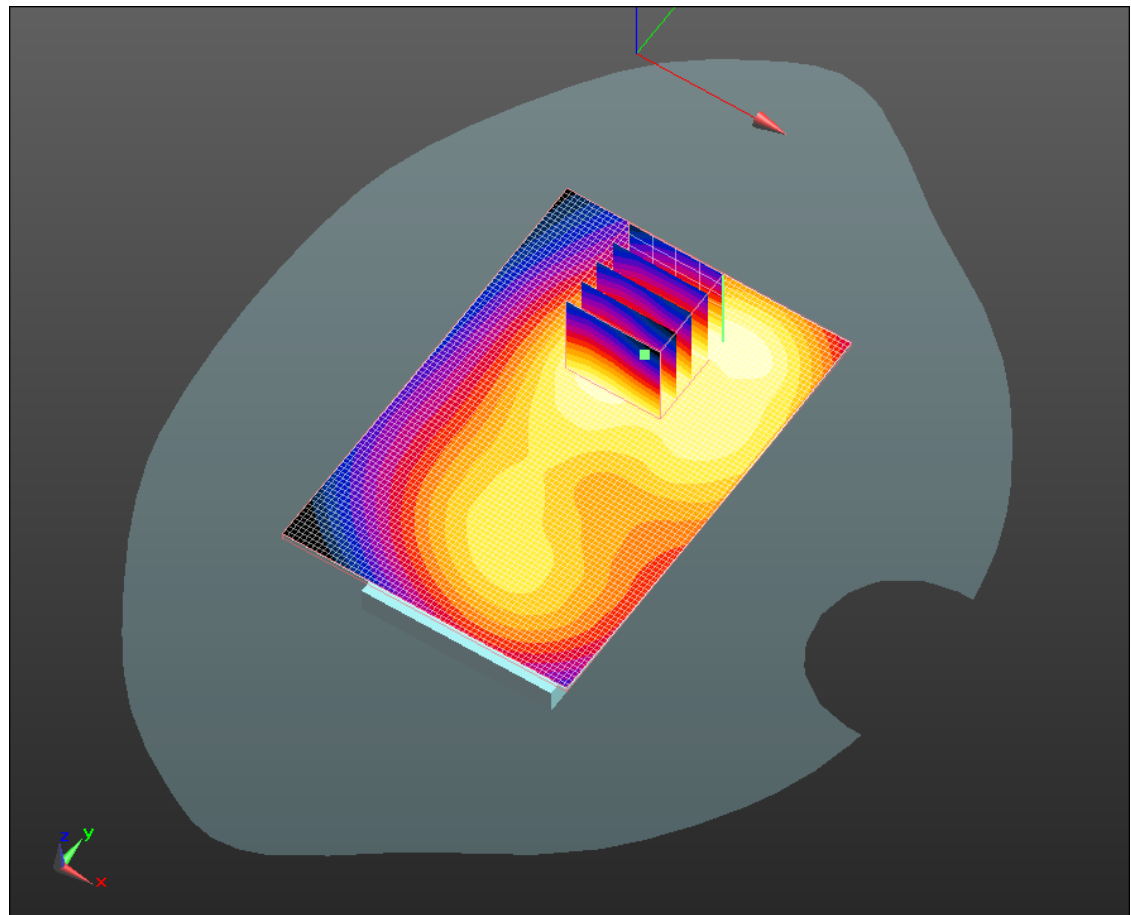
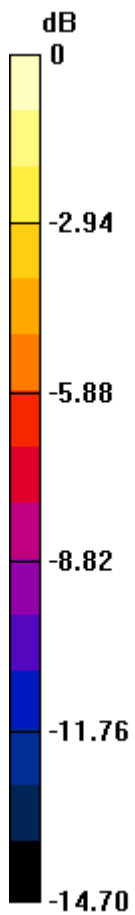
Author Data  
**Andrew Becker**

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0 dB = 0.260mW/g

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Date/Time: 5/3/2011 1:38:58 PM, Date/Time: 5/3/2011 1:45:52 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_GSM1900\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_22.2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System

PAR: 9.191 dB

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.494 \text{ mho/m}$ ;  $\epsilon_r = 51.549$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

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

Maximum value of SAR (interpolated) = 0.202 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 = 5.974 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.268 W/kg

**SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.119 mW/g**

Maximum value of SAR (measured) = 0.198 mW/g



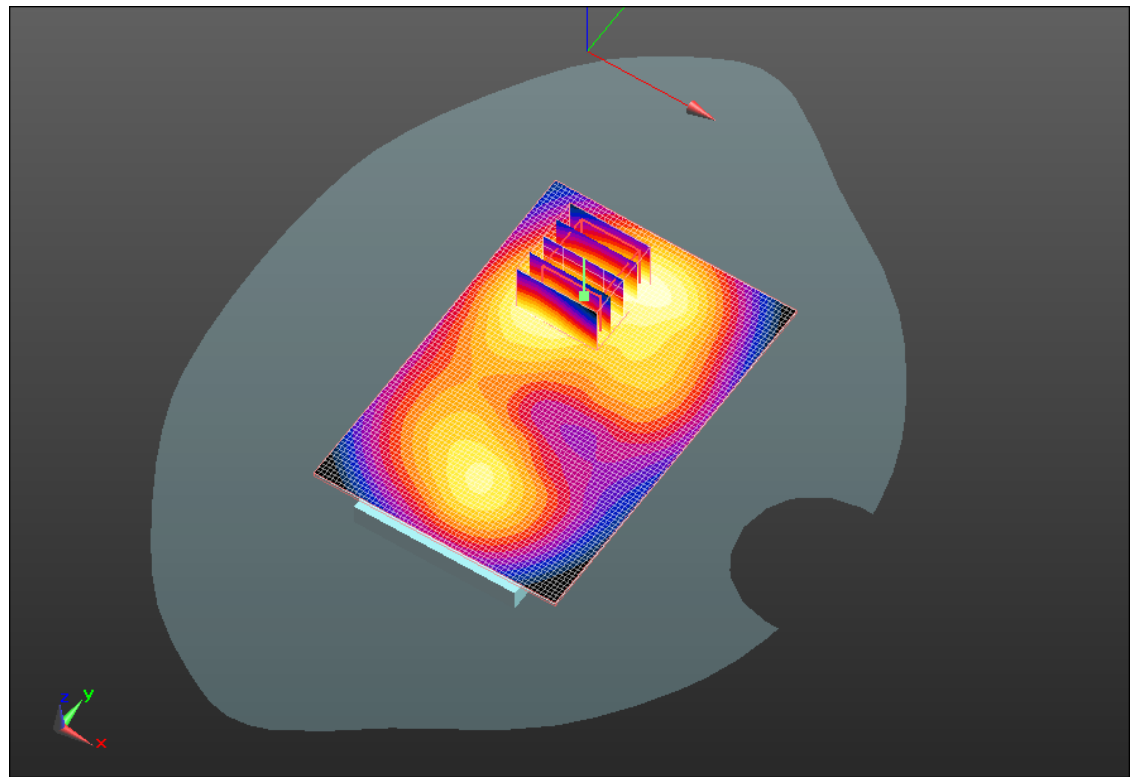
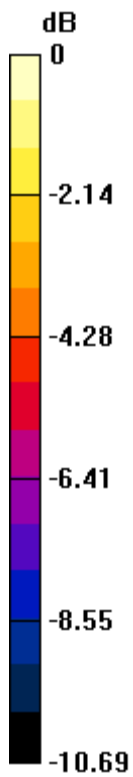
Author Data  
**Andrew Becker**

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0 dB = 0.200mW/g

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Date/Time: 5/3/2011 1:22:38 PM, Date/Time: 5/3/2011 1:29:31 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Front\_GSM1900\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_2 2.3C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System

PAR: 9.191 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  mho/m;  $\epsilon_r = 51.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) = 0.235 mW/g

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

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

Reference Value = 7.800 V/m; Power Drift = 0.0085 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.131 mW/g**

Maximum value of SAR (measured) = 0.234 mW/g

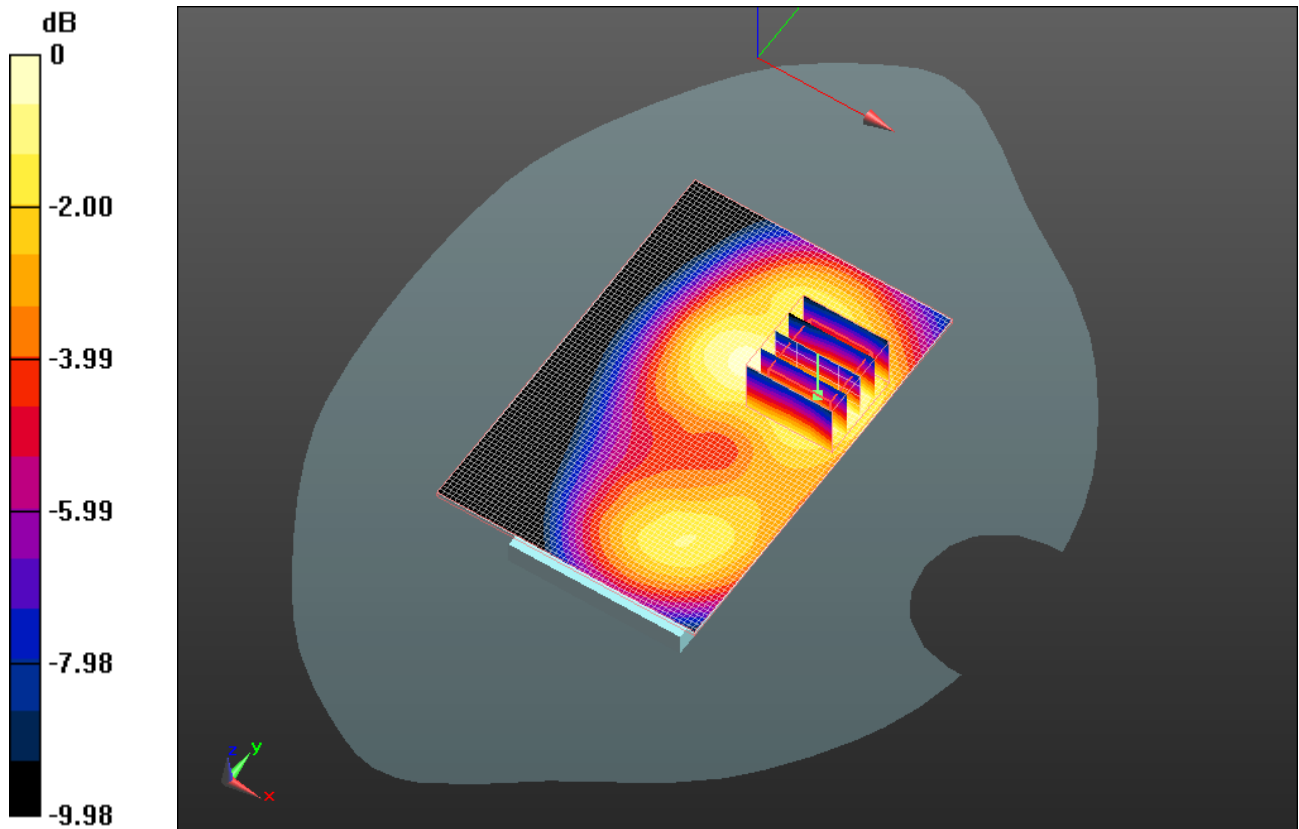
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
**2503A-RDX70UW**



0 dB = 0.230mW/g

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<b>Andrew Becker</b>	<b>Apr 13 – July 11, 2011</b>	<b>RTS-2579-1106-34B</b>	<b>L6ARDX70UW</b>	<b>2503A-RDX70UW</b>

Date/Time: 5/3/2011 1:52:40 PM, Date/Time: 5/3/2011 1:59:36 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_GSM1900\_mid\_chan\_amb\_temp\_23.1\_li  
q\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System

PAR: 9.191 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.494$  mho/m;  $\epsilon_r = 51.549$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.336 mW/g

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

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

Reference Value = 10.175 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.431 W/kg

**SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.183 mW/g**

Maximum value of SAR (measured) = 0.320 mW/g

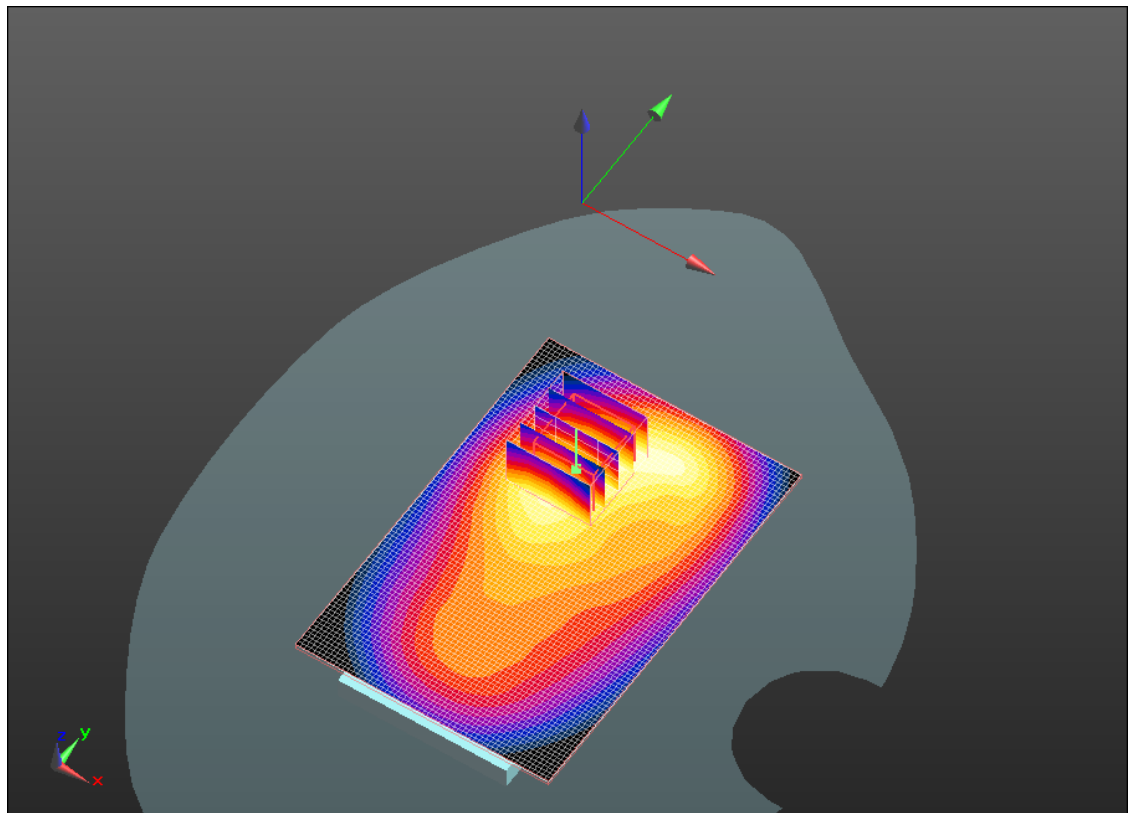
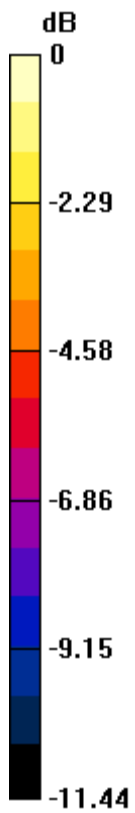
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
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0 dB = 0.320mW/g

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Date/Time: 5/6/2011 12:13:34 PM, Date/Time: 5/6/2011 12:43:29 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_GPRS1900\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_22.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: GPRS 1900; Frequency: 1880 MHz; Communication System PAR: 6.232 dB

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.329 \text{ mho/m}$ ;  $\epsilon_r = 38.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat 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 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

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

Maximum value of SAR (interpolated) = 0.294 mW/g

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

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

Reference Value = 8.763 V/m; Power Drift = 0.53 dB

Peak SAR (extrapolated) = 0.441 W/kg

**SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.175 mW/g**

Maximum value of SAR (measured) = 0.303 mW/g

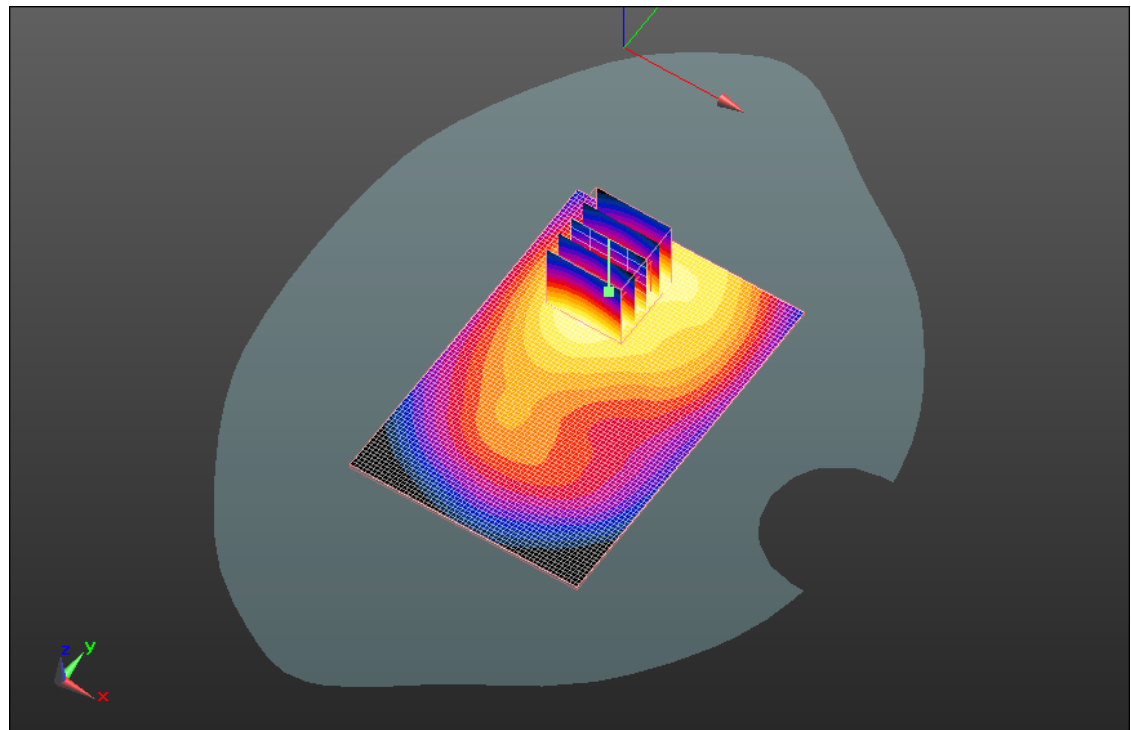
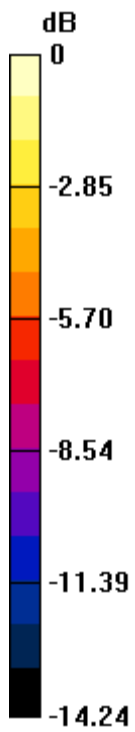
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
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**2503A-RDX70UW**



0 dB = 0.300mW/g

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<b>Andrew Becker</b>	<b>Apr 13 – July 11, 2011</b>	<b>RTS-2579-1106-34B</b>	<b>L6ARDX70UW</b>	<b>2503A-RDX70UW</b>

Date/Time: 6/8/2011 10:08:42 PM, Date/Time: 6/8/2011 10:15:33 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_GPRS1900\_mid\_chan\_amb\_temp\_23.2\_liq\_temp\_22.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: GPRS 1900; Communication System Band: GPRS 1900;  
 Frequency: 1880 MHz; Communication System PAR: 6.232 dB  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 50.934$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
 dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.352 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:**  
 Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm  
 Reference Value = 10.055 V/m; Power Drift = -0.11 dB  
 Peak SAR (extrapolated) = 0.461 W/kg  
**SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.194 mW/g**  
 Maximum value of SAR (measured) = 0.339 mW/g



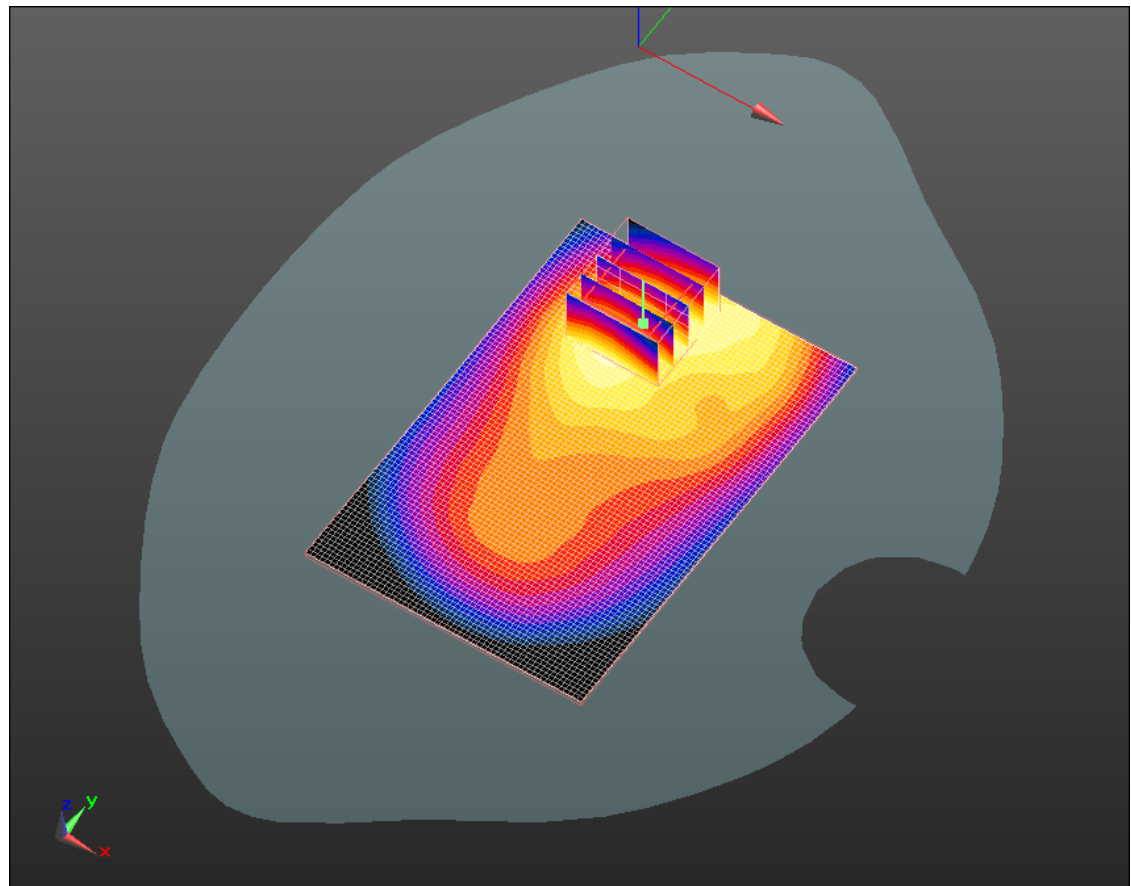
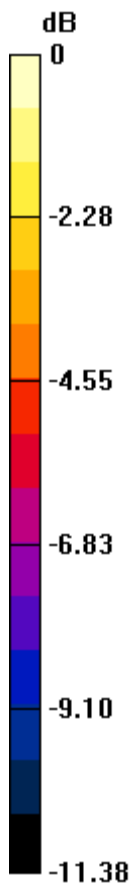
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

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0 dB = 0.340mW/g

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Date/Time: 4/13/2011 7:50:30 PM, Date/Time: 4/13/2011 7:55:50 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_24.0\_liq\_temp\_22.5C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.351$  mho/m;  $\epsilon_r = 52.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.424 mW/g

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

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

Reference Value = 9.912 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.575 W/kg

**SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.244 mW/g**

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

Maximum value of SAR (measured) = 0.418 mW/g

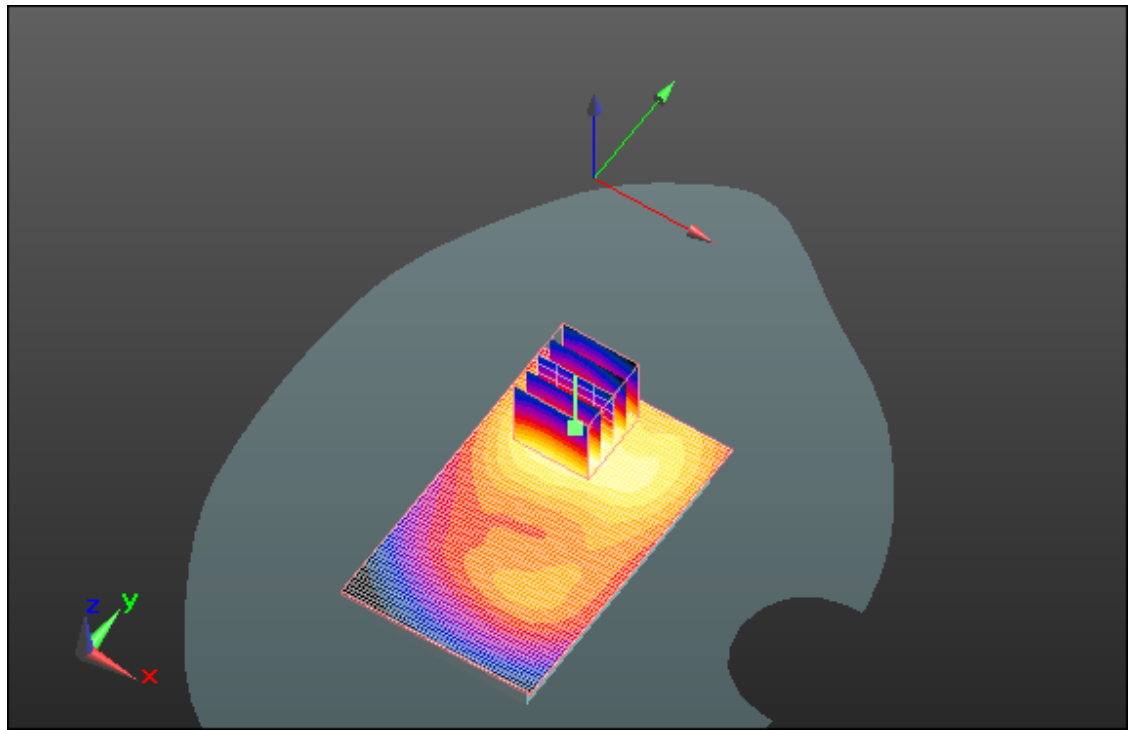
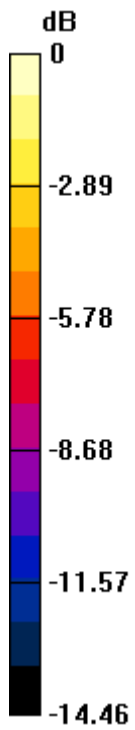
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

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0 dB = 0.420mW/g

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Date/Time: 4/13/2011 8:05:03 PM, Date/Time: 4/13/2011 8:10:24 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_24.1\_liq\_t emp\_22.6C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.351$  mho/m;  $\epsilon_r = 52.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.281 mW/g

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

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

Reference Value = 7.958 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.379 W/kg

**SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.162 mW/g**

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

Maximum value of SAR (measured) = 0.278 mW/g

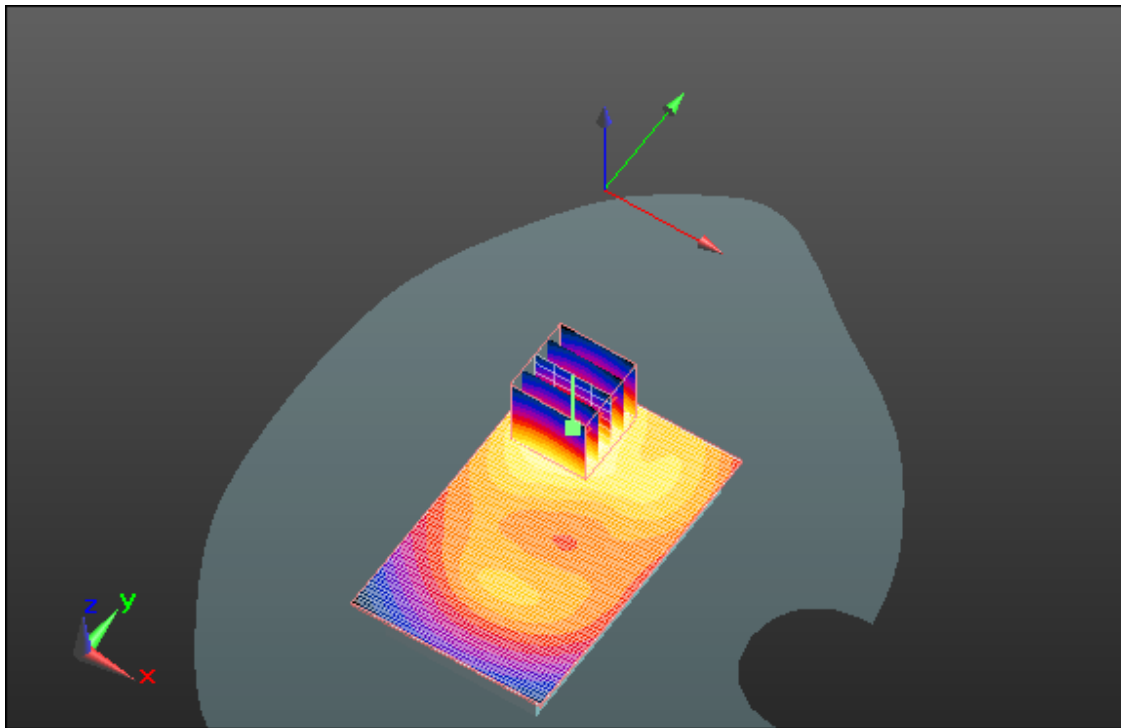
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
**2503A-RDX70UW**



0 dB = 0.280mW/g

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Date/Time: 4/13/2011 8:20:48 PM, Date/Time: 4/13/2011 8:26:10 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Front\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_24.1\_liq\_t  
emp\_22.6C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.351$  mho/m;  $\epsilon_r = 52.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.506 mW/g

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

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

Reference Value = 10.058 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.721 W/kg

**SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.286 mW/g**

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

Maximum value of SAR (measured) = 0.514 mW/g

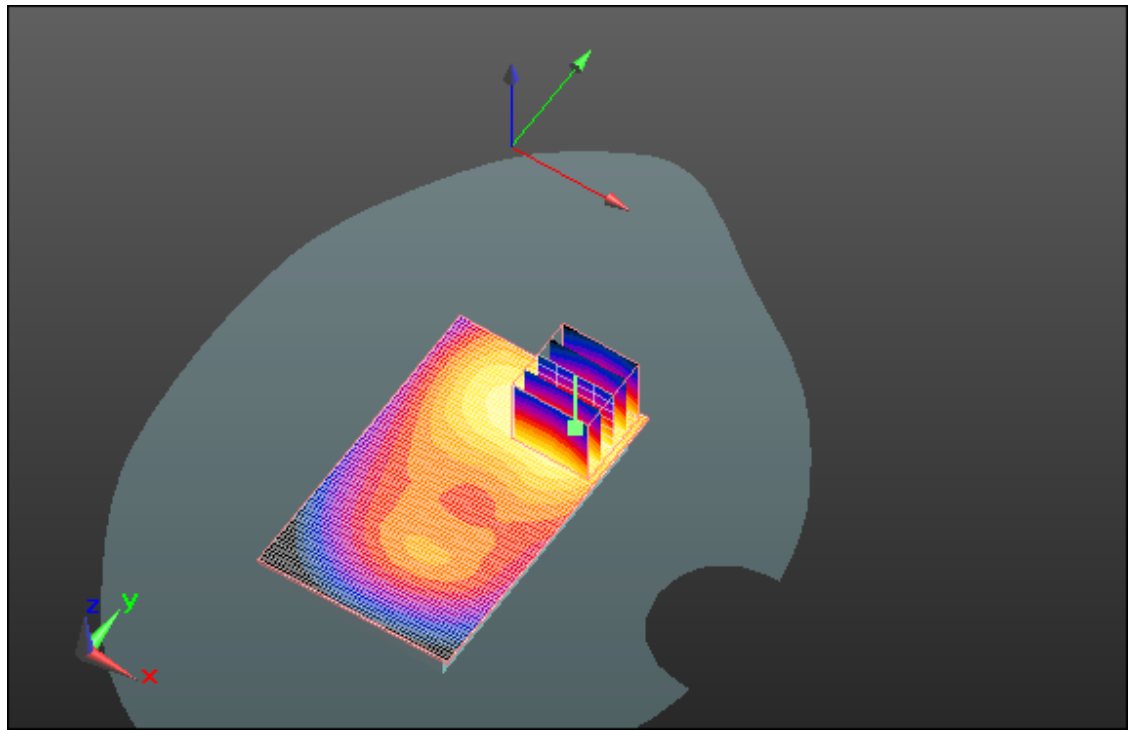
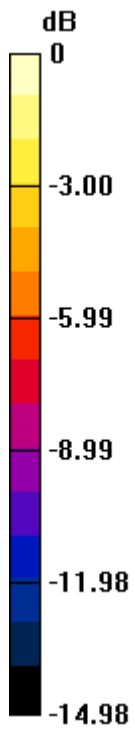
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
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FCC ID:  
**L6ARDX70UW**

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0 dB = 0.510mW/g

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Date/Time: 4/13/2011 8:35:41 PM, Date/Time: 4/13/2011 8:40:59 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Front\_Headset\_UMTS\_band\_IV\_mid\_chan\_amb\_temp\_24.0\_liq\_temp\_22.5C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.351$  mho/m;  $\epsilon_r = 52.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.583 mW/g

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

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

Reference Value = 11.536 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.821 W/kg

**SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.324 mW/g**

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

Maximum value of SAR (measured) = 0.577 mW/g



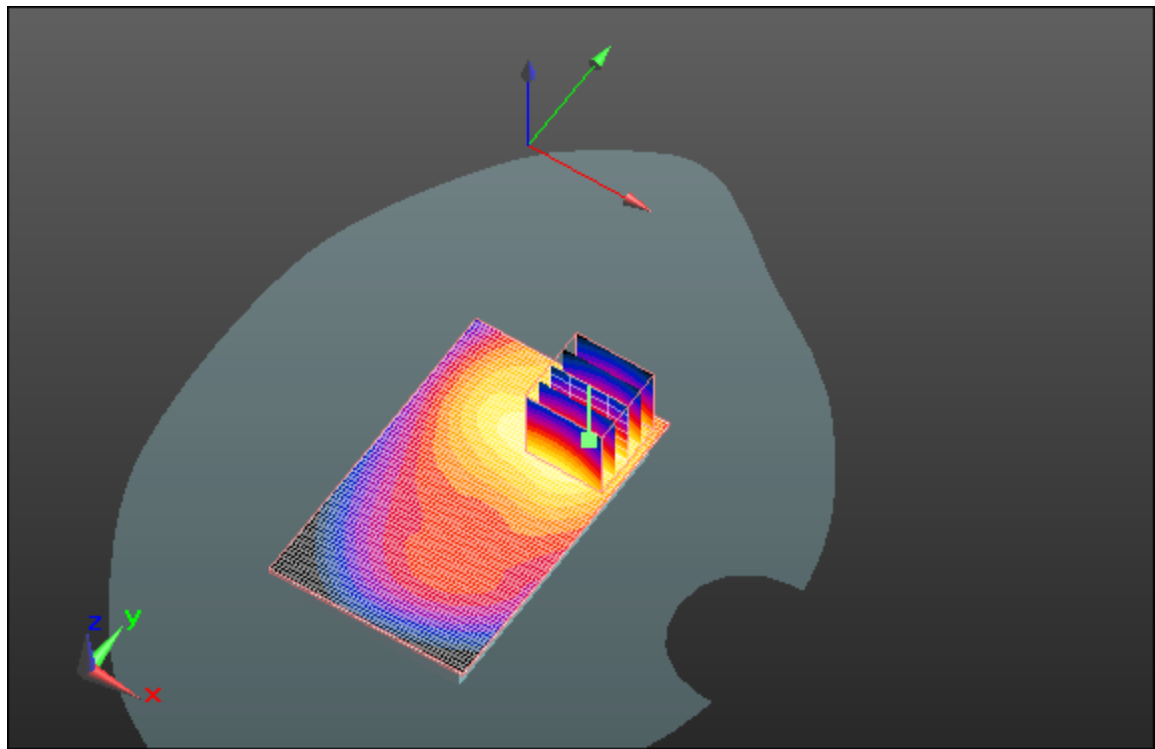
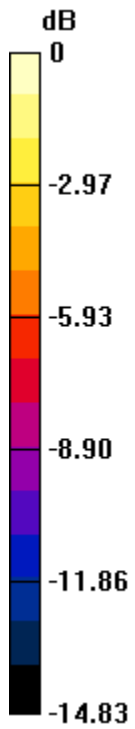
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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FCC ID:  
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0 dB = 0.580mW/g

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Date/Time: 4/27/2011 6:26:47 PM, Date/Time: 4/27/2011 6:33:43 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_802.11b\_low\_chan\_amb\_temp\_23.2\_liq\_temp\_22.3C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 50.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.162 mW/g

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

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

Reference Value = 3.844 V/m; Power Drift = 0.41 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.080 mW/g**

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

Maximum value of SAR (measured) = 0.161 mW/g

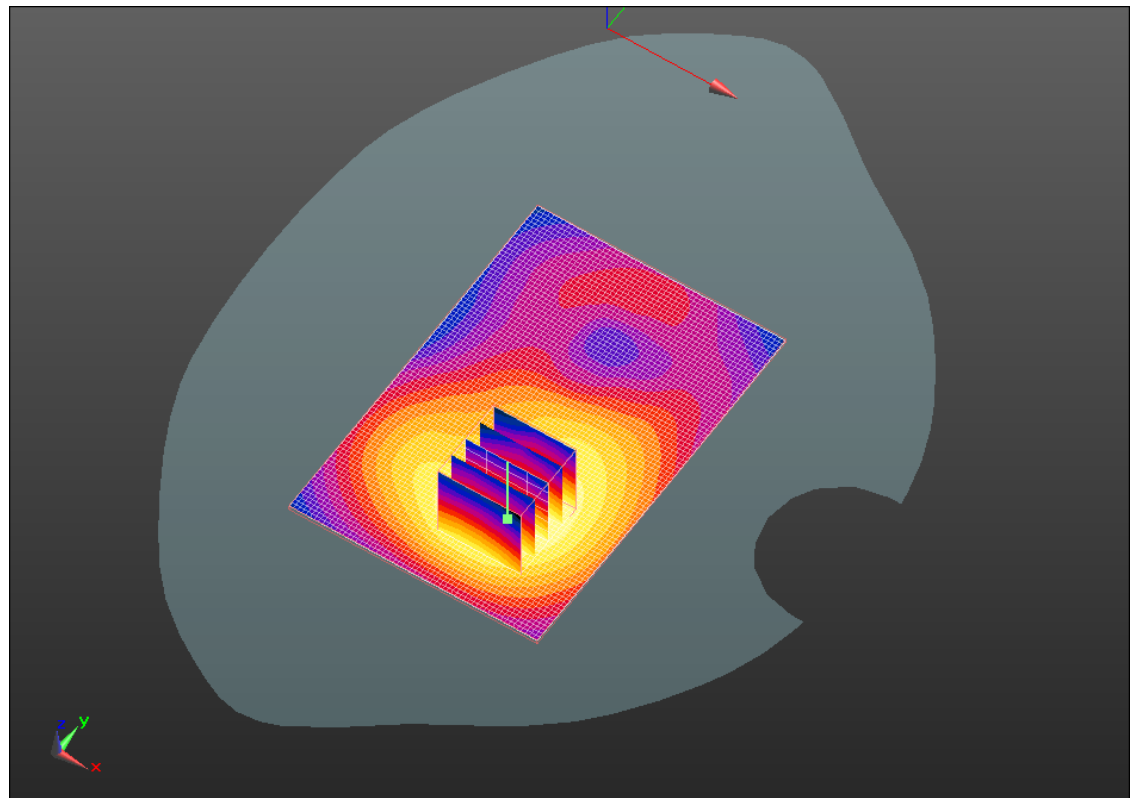
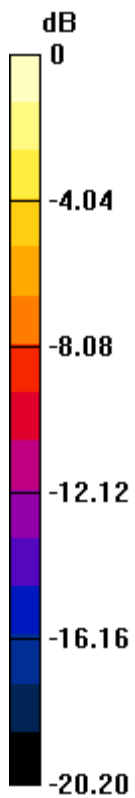
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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0 dB = 0.160mW/g

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Date/Time: 4/27/2011 7:01:30 PM, Date/Time: 4/27/2011 7:08:25 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_802.11b\_low\_chan\_amb\_temp\_23.1\_liq\_temp\_22 .2C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 50.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.124 mW/g

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

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

Reference Value = 4.126 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.205 W/kg

**SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.065 mW/g**

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

Maximum value of SAR (measured) = 0.125 mW/g

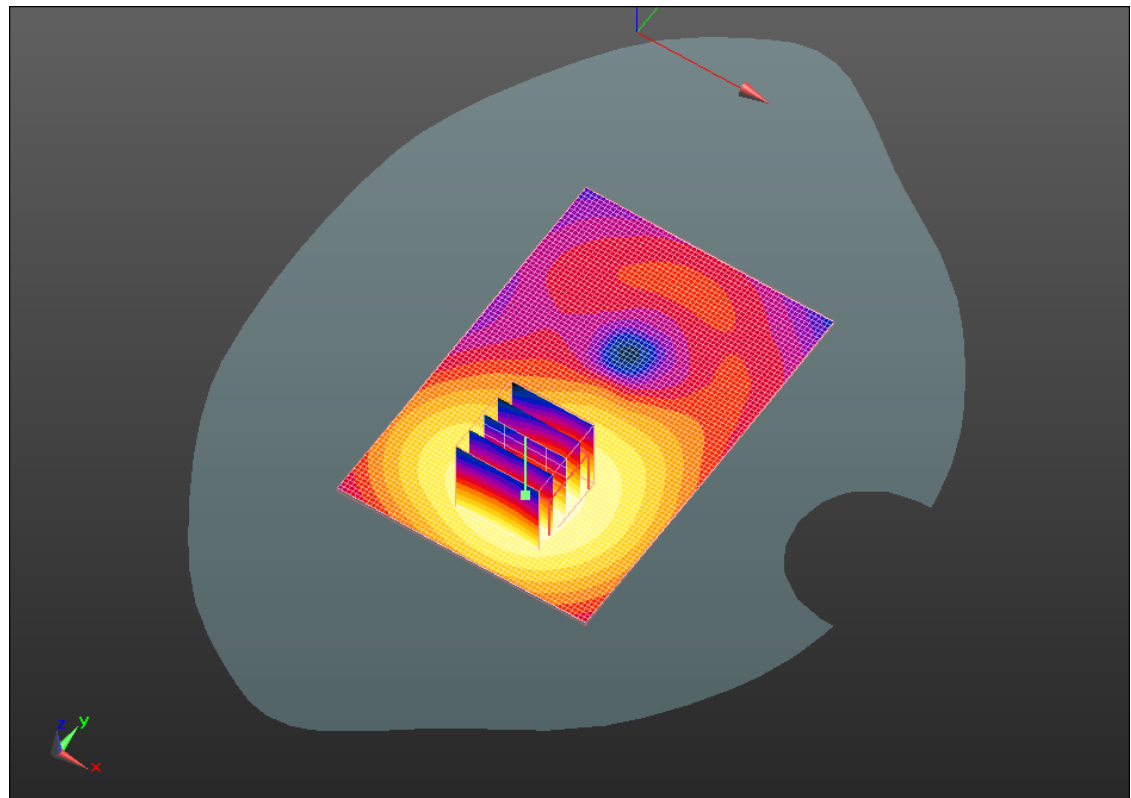
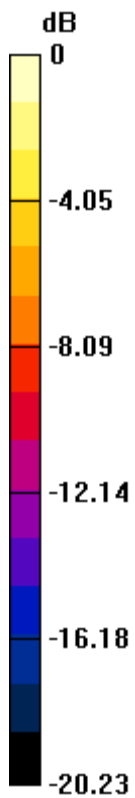
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

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**2503A-RDX70UW**



0 dB = 0.120mW/g

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Date/Time: 4/27/2011 6:45:04 PM, Date/Time: 4/27/2011 6:52:01 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Front\_802.11b\_low\_chan\_amb\_temp\_23.1\_liq\_temp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 50.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.085 mW/g

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

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

Reference Value = 3.350 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.045 mW/g**

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

Maximum value of SAR (measured) = 0.086 mW/g

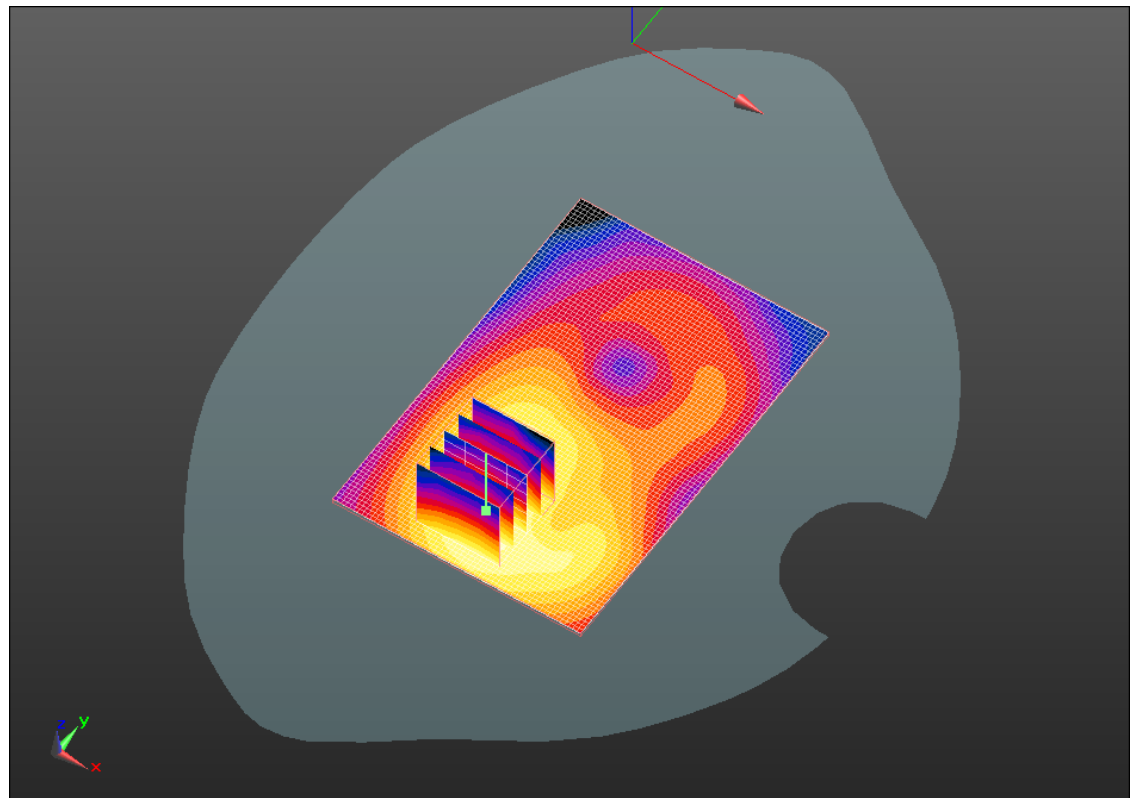
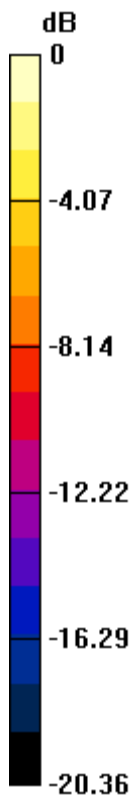
Author Data  
**Andrew Becker**

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**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
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0 dB = 0.090mW/g

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Date/Time: 4/27/2011 9:13:29 PM, Date/Time: 4/27/2011 9:20:56 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_802.11b\_low\_chan\_amb\_temp\_23.1\_liq\_temp\_22.1C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE**

Communication System: 802.11 b (2450); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 50.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.073 mW/g

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

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

Reference Value = 2.347 V/m; Power Drift = 0.63 dB

Peak SAR (extrapolated) = 0.135 W/kg

**SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.035 mW/g**

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

Maximum value of SAR (measured) = 0.077 mW/g



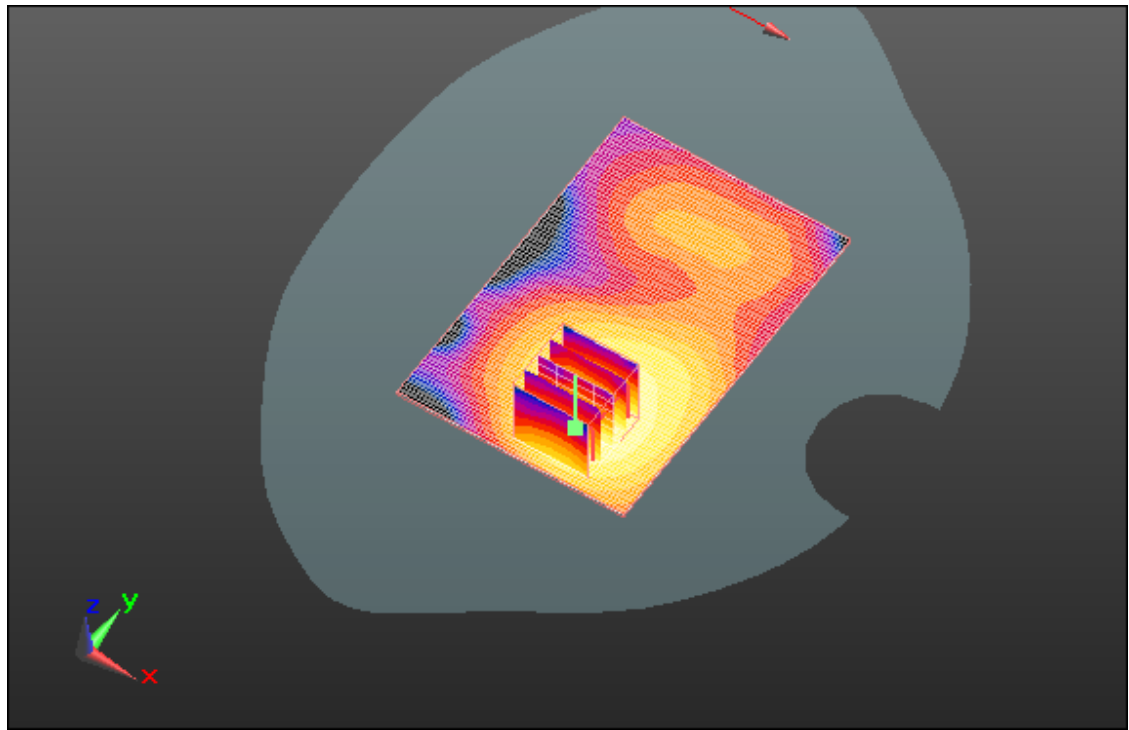
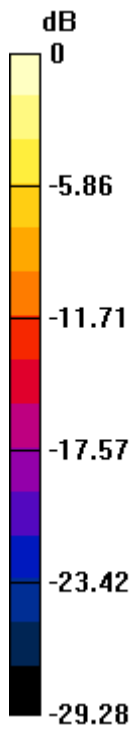
Author Data  
**Andrew Becker**

Dates of Test  
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FCC ID:  
**L6ARDX70UW**

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0 dB = 0.080mW/g

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Date/Time: 6/16/2011 10:22:37 AM, Date/Time: 6/16/2011 10:29:30 AM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Back\_BT\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_22.1C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51**

Communication System: Bluetooth; Communication System Band: Bluetooth;  
Frequency: 2441 MHz; Communication System PAR: 0 dB  
Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 2.021$  mho/m;  $\epsilon_r = 50.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.00187 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:**

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

Reference Value = 0.986 V/m; Power Drift = -0.0067 dB

Peak SAR (extrapolated) = 0.00448 W/kg

**SAR(1 g) = 0.0015 mW/g; SAR(10 g) = 0.000873 mW/g**

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

Maximum value of SAR (measured) = 0.00178 mW/g

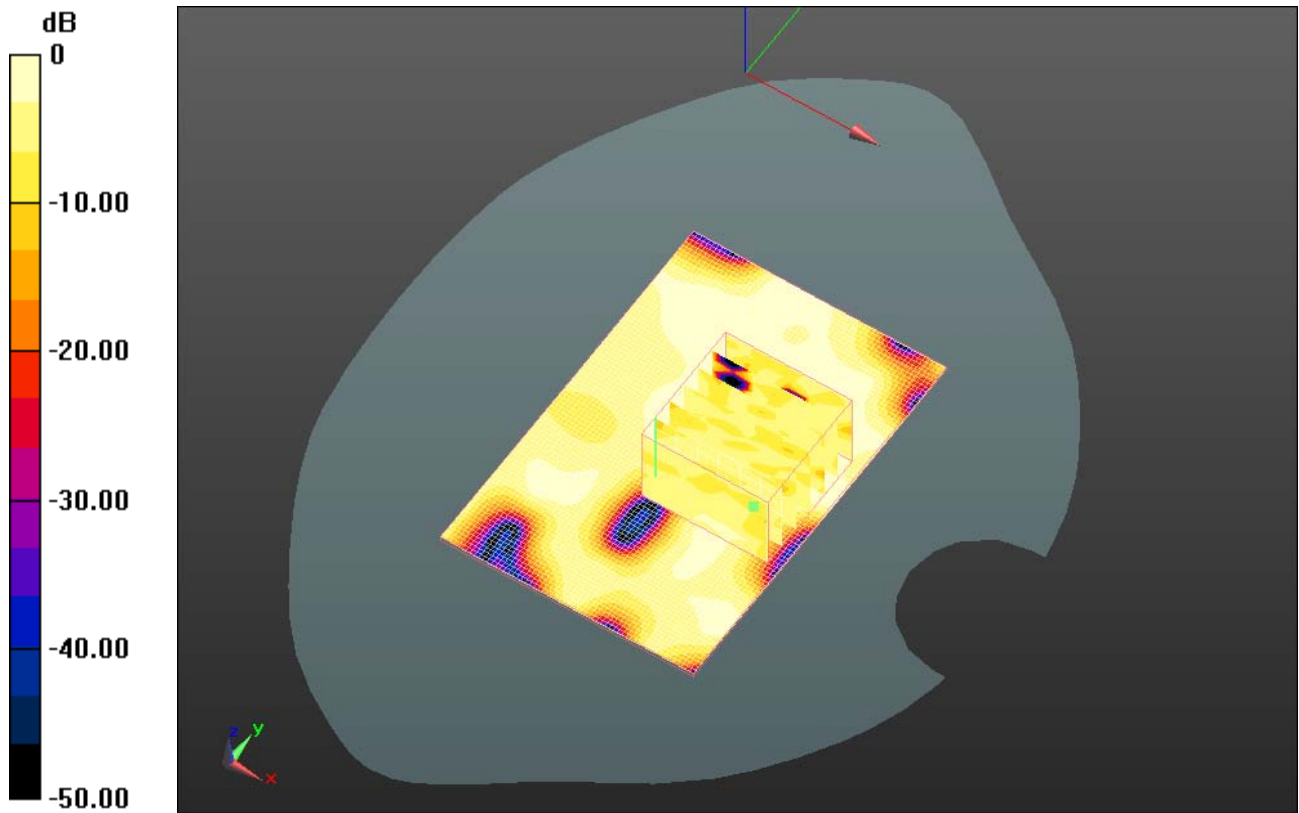
Author Data  
**Andrew Becker**

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**Apr 13 – July 11, 2011**

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**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
**2503A-RDX70UW**



0 dB = 0.0018mW/g

Author Data  
**Andrew Becker**

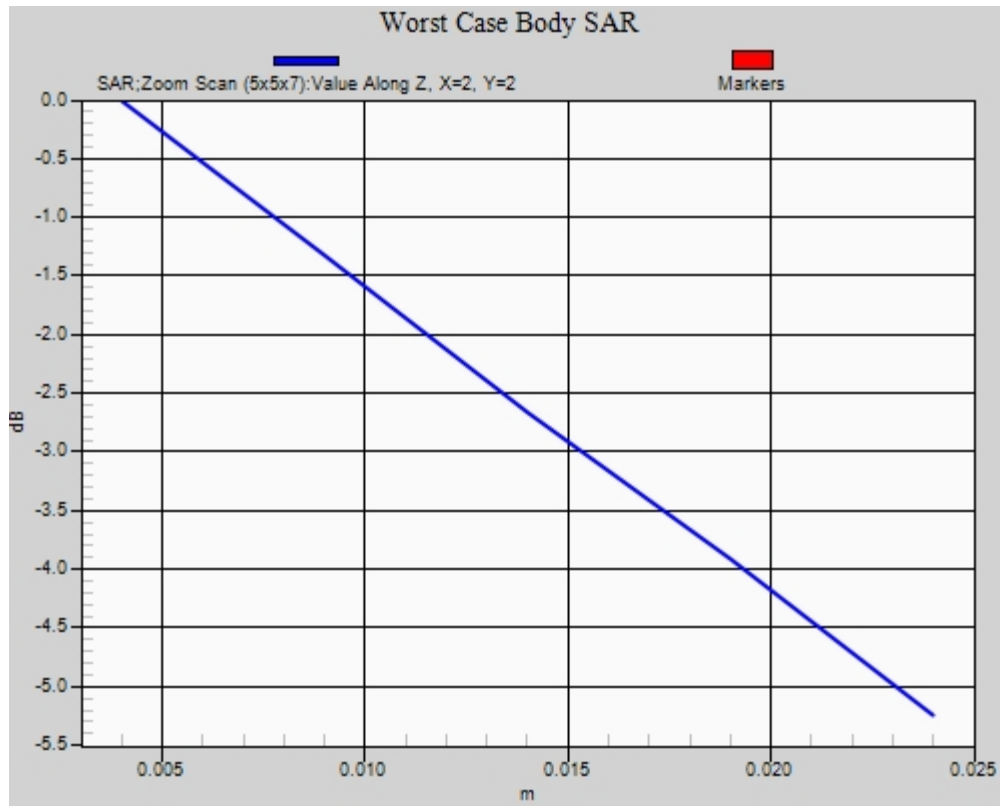
Dates of Test  
**Apr 13 – July 11, 2011**


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



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Date/Time: 7/6/2011 3:10:38 PM, Date/Time: 7/6/2011 3:17:31 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Back\_GPRS850\_high\_chan\_amb\_temp\_23.3\_liq\_temp\_22.4C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: GPRS 850; Communication System Band: GPRS 850;  
Frequency: 848.8 MHz; Communication System PAR: 6.232 dB  
Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 1.026$  mho/m;  $\epsilon_r = 55.765$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x81x1):** Measurement grid:  
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.271 mW/g

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

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

Reference Value = 32.446 V/m; Power Drift = 0.0083 dB

Peak SAR (extrapolated) = 1.640 W/kg

**SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.862 mW/g**

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

Maximum value of SAR (measured) = 1.276 mW/g

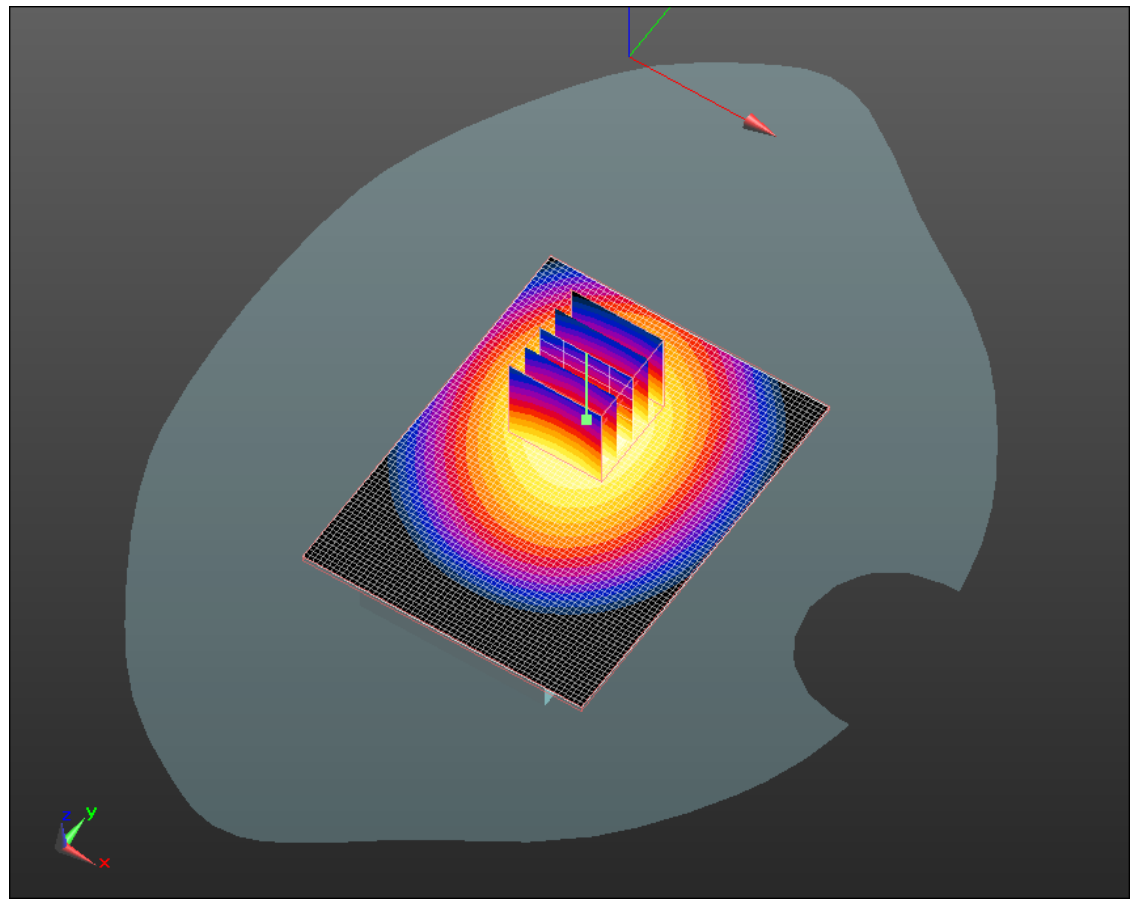
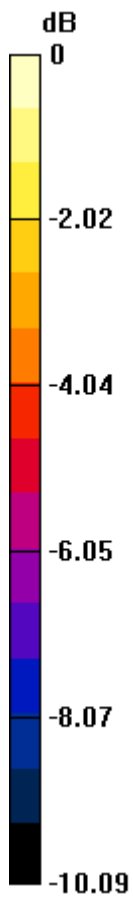
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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FCC ID:  
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0 dB = 1.280mW/g

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Date/Time: 7/11/2011 8:06:09 PM, Date/Time: 7/11/2011 8:13:02 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_Headset\_GPRS1900\_mid\_chan\_amb\_temp\_23.3\_liq\_temp\_22.4C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: GPRS 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 6.232 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.547$  mho/m;  $\epsilon_r = 52.175$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.361 mW/g

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

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

Reference Value = 9.877 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.493 W/kg

**SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.348 mW/g

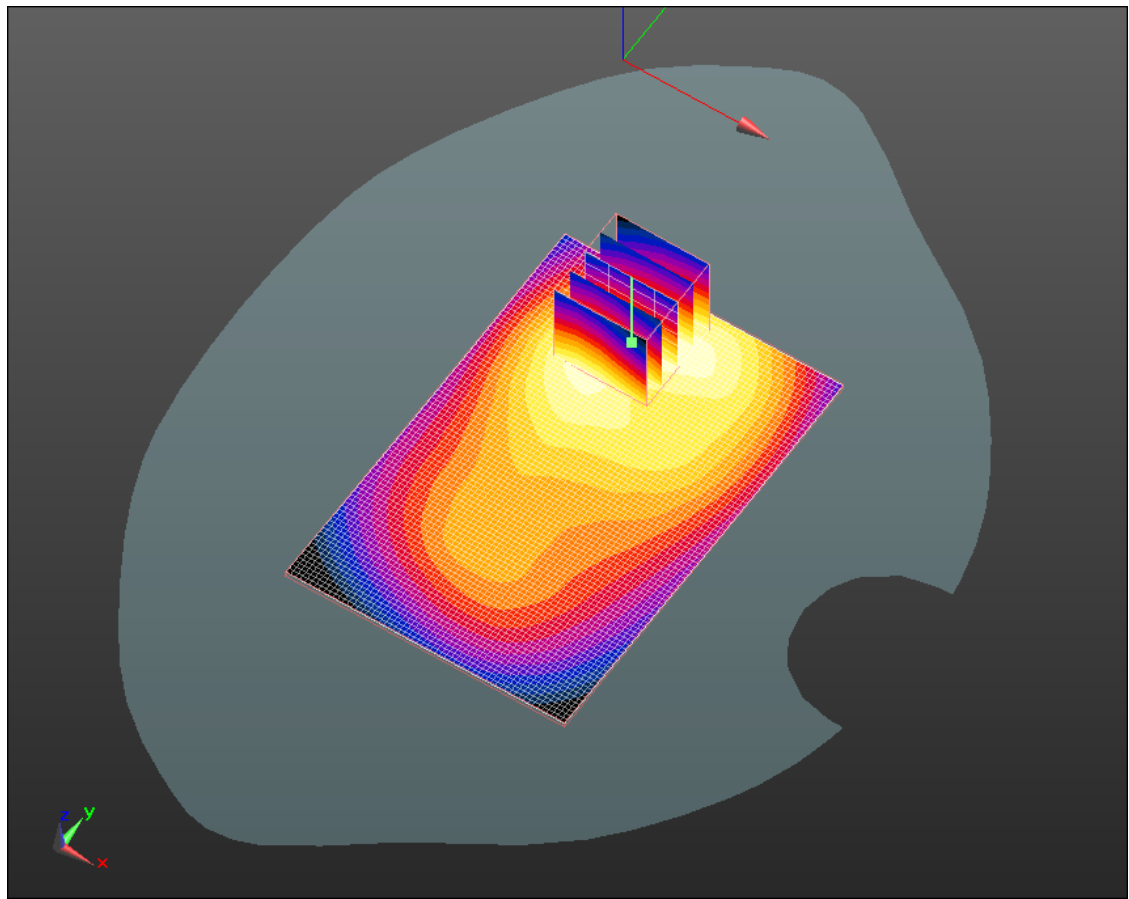
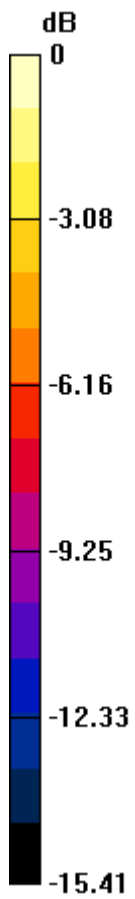
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.350mW/g



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Date/Time: 4/21/2011 5:12:10 PM, Date/Time: 4/21/2011 5:19:12 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_UMTS\_band\_V\_low\_chan\_amb\_temp\_23.0\_liq\_temp\_21.7C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 826.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r = 53.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.798 mW/g

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

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

Reference Value = 26.632 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.016 W/kg

**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.543 mW/g**

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

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

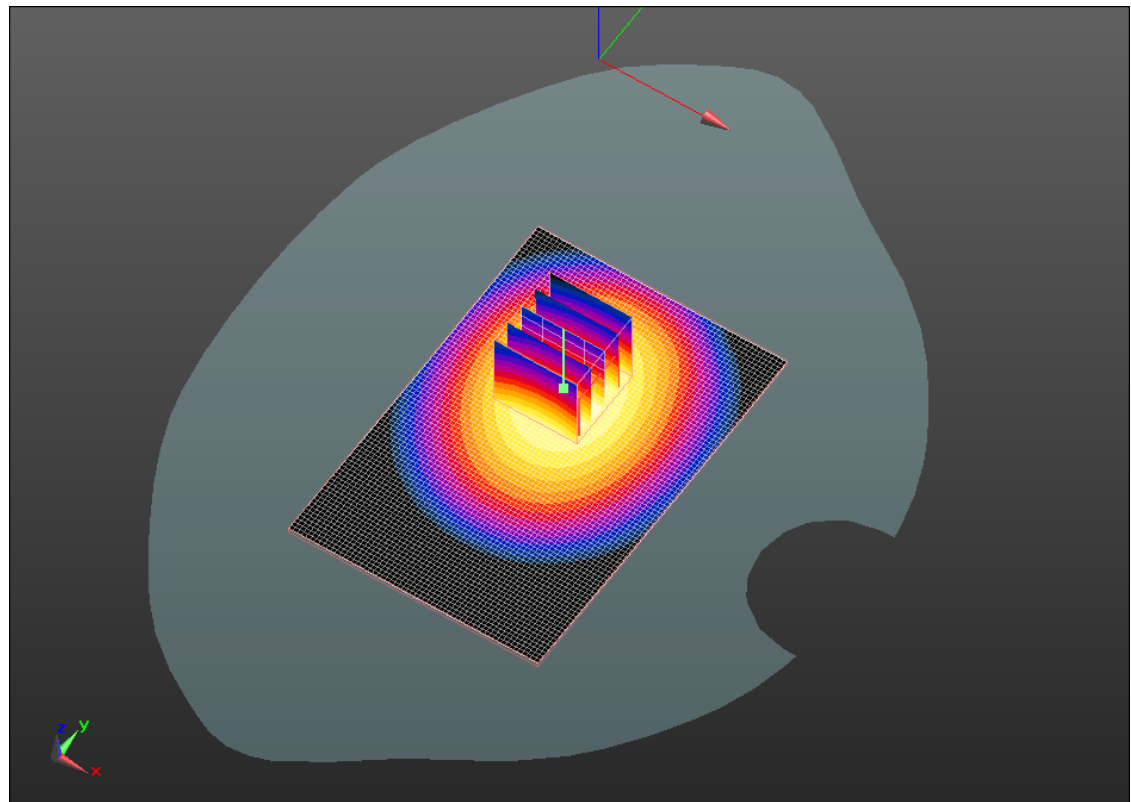
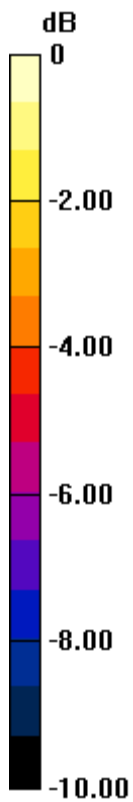
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.800mW/g

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Date/Time: 4/21/2011 4:57:57 PM, Date/Time: 4/21/2011 5:04:53 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_UMTS\_band\_V\_mid\_chan\_amb\_temp\_23.1\_liq\_temp\_21.8C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 53.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.895 mW/g

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

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

Reference Value = 29.089 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 1.123 W/kg

**SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.595 mW/g**

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

Maximum value of SAR (measured) = 0.879 mW/g

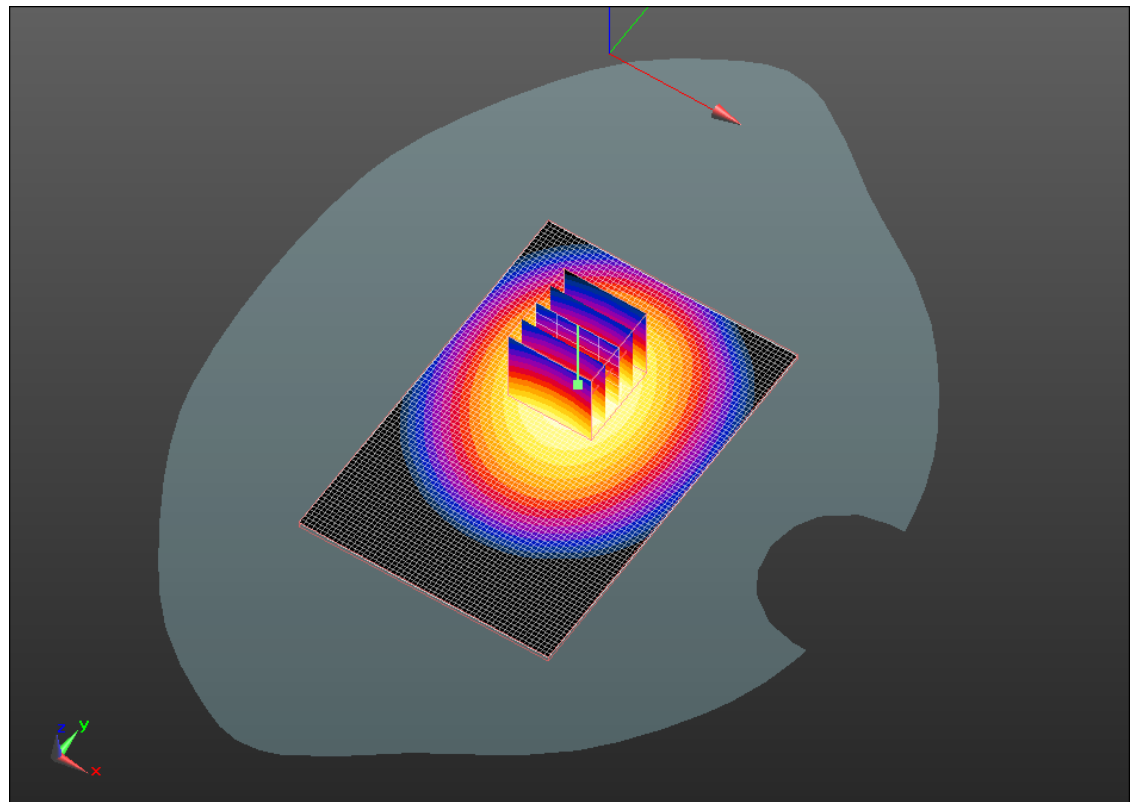
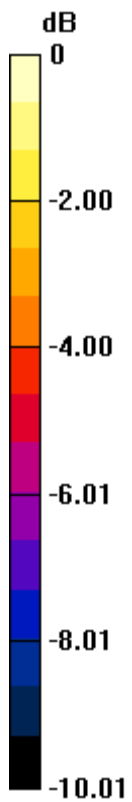
Author Data  
**Andrew Becker**

Dates of Test  
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**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
**2503A-RDX70UW**



0 dB = 0.880mW/g

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Date/Time: 4/21/2011 5:26:27 PM, Date/Time: 4/21/2011 5:33:21 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_UMTS\_band\_V\_high\_chan\_amb\_temp\_23.1\_liq\_temper\_21.8C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 846.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.489$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** 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) (5x5x7)/Cube 0:**

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

Reference Value = 27.681 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.093 W/kg

**SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.582 mW/g**

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

Maximum value of SAR (measured) = 0.861 mW/g

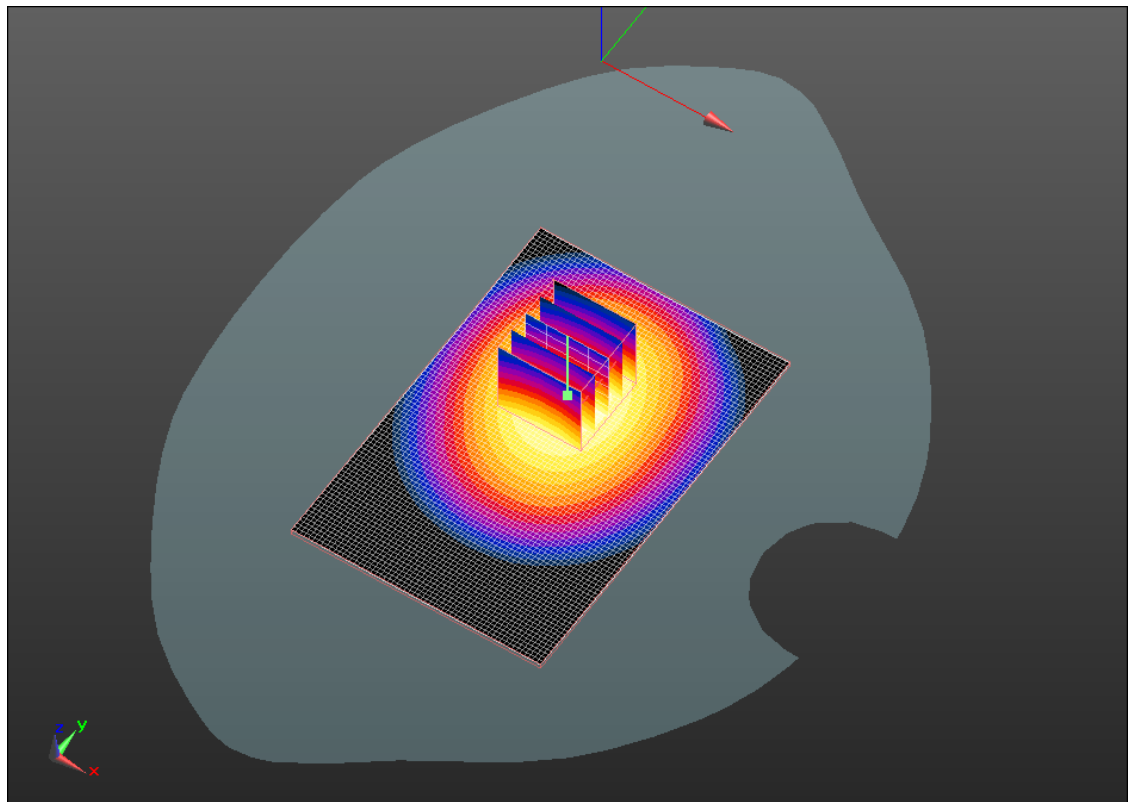
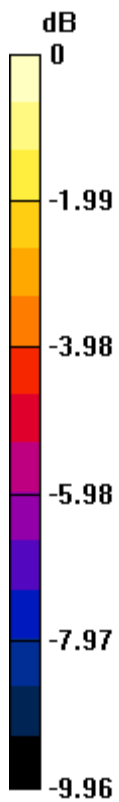
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


Test Report No  
**RTS-2579-1106-34B**

FCC ID:  
**L6ARDX70UW**

IC ID  
**2503A-RDX70UW**



0 dB = 0.860mW/g

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Date/Time: 4/21/2011 5:57:13 PM, Date/Time: 4/21/2011 6:04:12 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Front\_UMTS\_band\_V\_mid\_chan\_amb\_temp\_23.2\_liq\_temperatures\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 53.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.681 mW/g

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

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

Reference Value = 23.524 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.845 W/kg

**SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.460 mW/g**

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

Maximum value of SAR (measured) = 0.673 mW/g

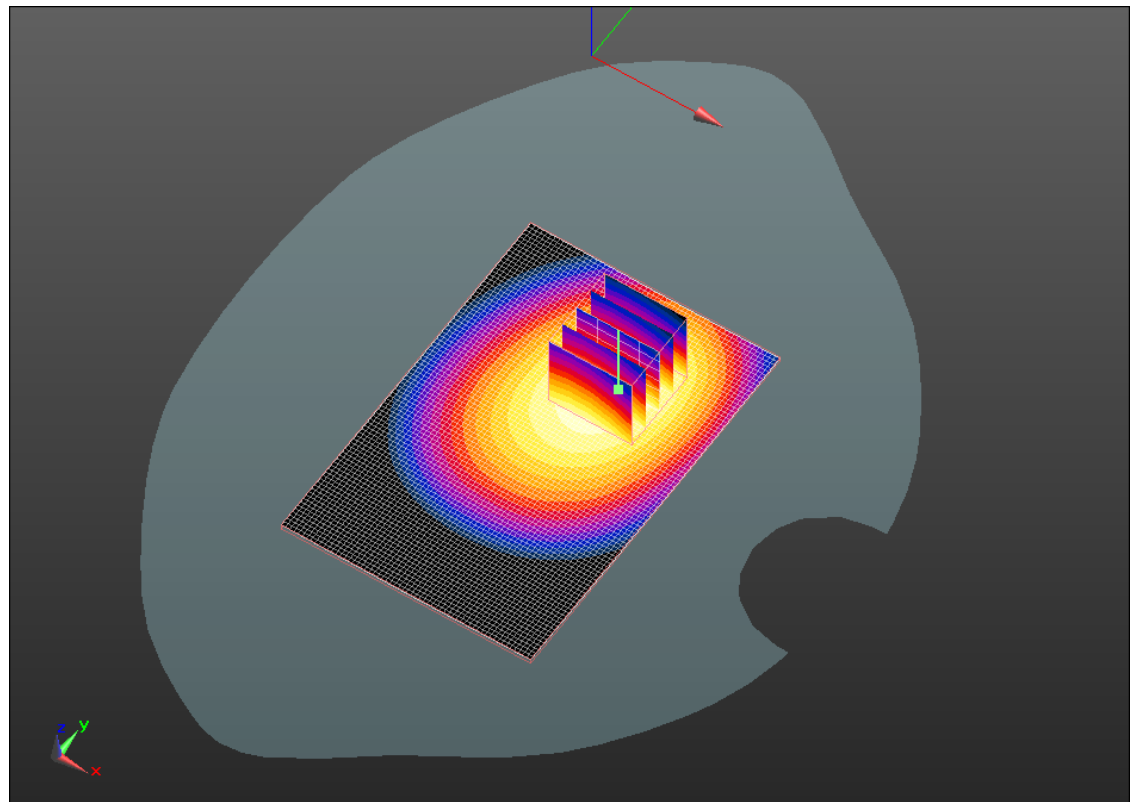
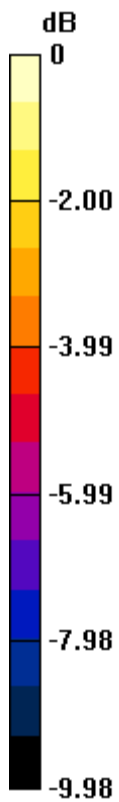
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**

Test Report No  
**RTS-2579-1106-34B**


FCC ID:  
**L6ARDX70UW**

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**2503A-RDX70UW**



0 dB = 0.670mW/g



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<b>Andrew Becker</b>	<b>Apr 13 – July 11, 2011</b>	<b>RTS-2579-1106-34B</b>	<b>L6ARDX70UW</b>	<b>2503A-RDX70UW</b>

Date/Time: 4/21/2011 5:42:12 PM, Date/Time: 4/21/2011 5:49:10 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_UMTS\_band\_V\_mid\_chan\_amb\_temp\_23.2\_liq\_t emp\_21.9C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 53.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.655 mW/g

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

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

Reference Value = 25.147 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.803 W/kg

**SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.453 mW/g**

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

Maximum value of SAR (measured) = 0.655 mW/g

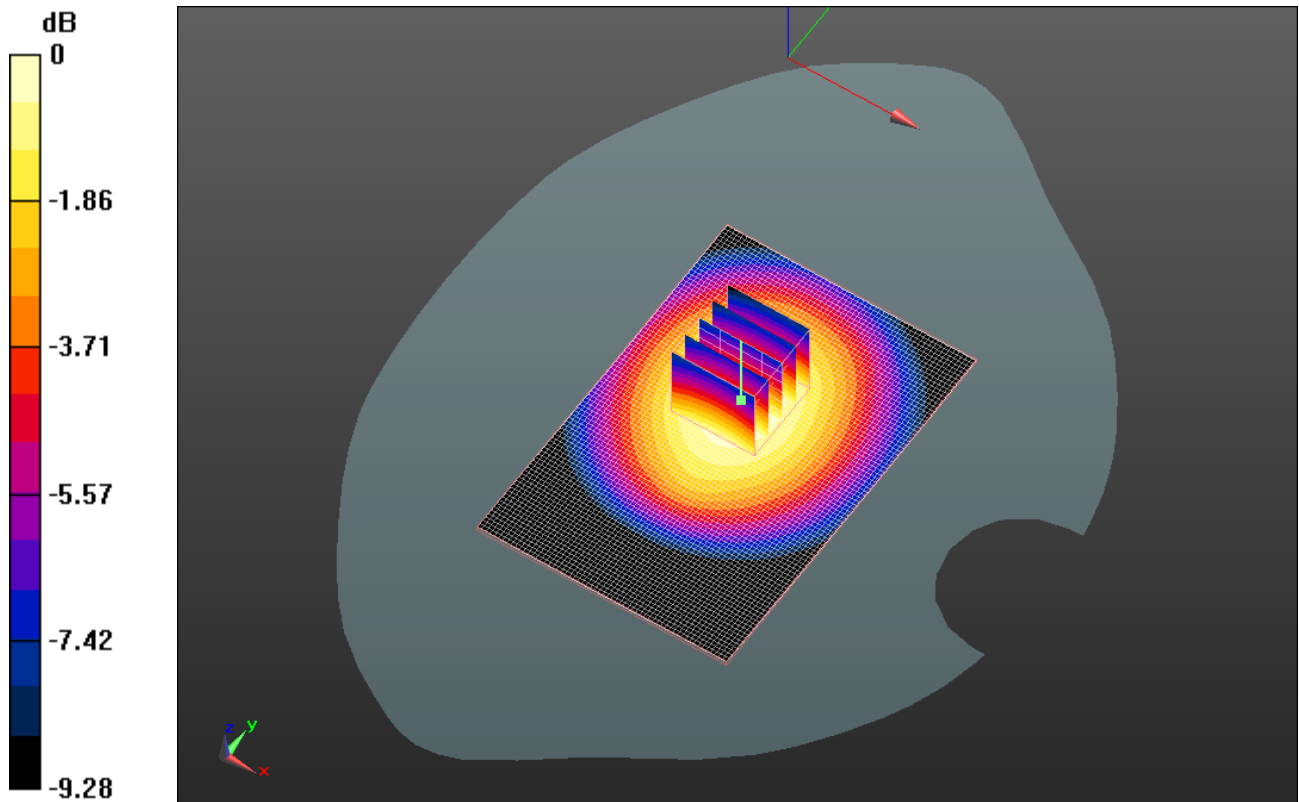
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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0 dB = 0.650mW/g

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Date/Time: 4/21/2011 6:11:46 PM, Date/Time: 4/21/2011 6:18:42 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Back\_Headset\_UMTS\_band\_V\_mid\_chan\_amb\_temp\_2 3.2\_liq\_temp\_22.0C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.976$  mho/m;  $\epsilon_r = 53.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.698 mW/g

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

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

Reference Value = 24.316 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.887 W/kg

**SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.468 mW/g**

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

Maximum value of SAR (measured) = 0.697 mW/g

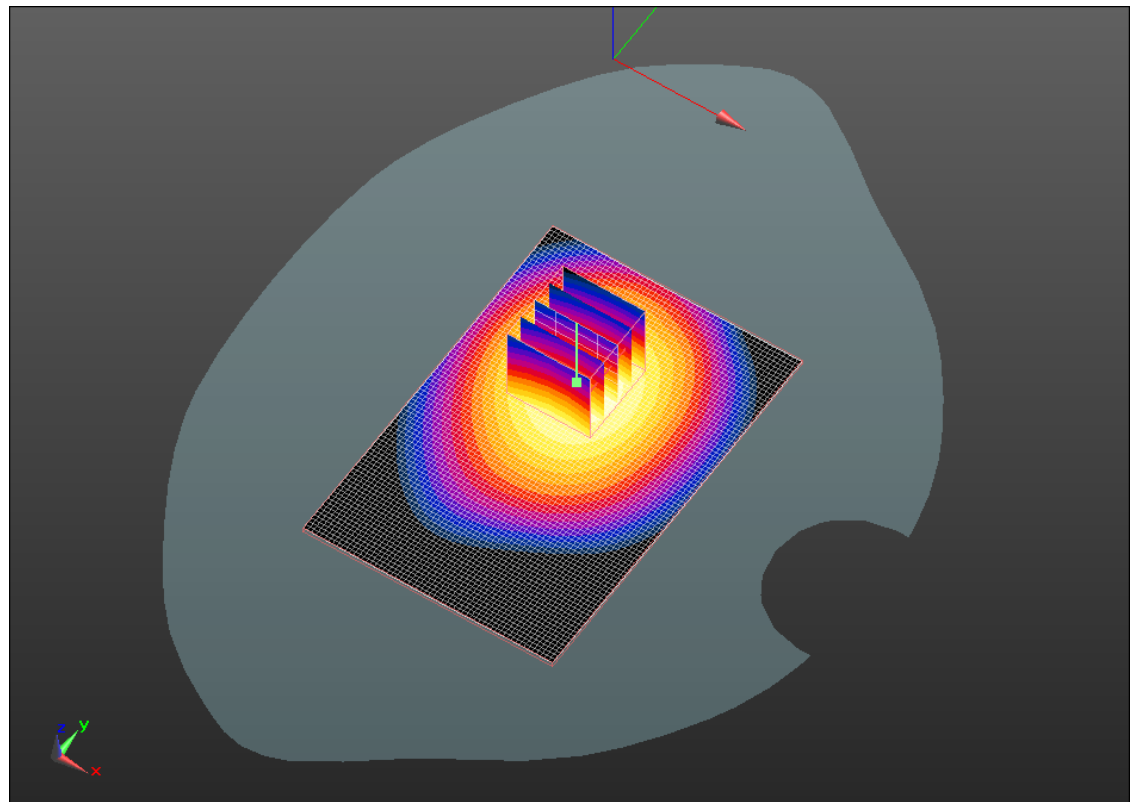
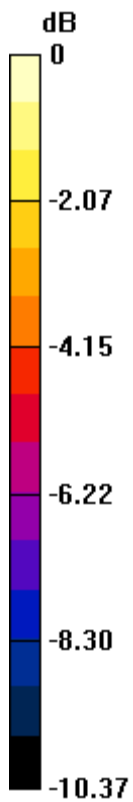
Author Data  
**Andrew Becker**

Dates of Test  
**Apr 13 – July 11, 2011**


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FCC ID:  
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0 dB = 0.700mW/g

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Date/Time: 4/20/2011 11:44:16 AM, Date/Time: 4/20/2011 11:50:29 AM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Back\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_23.5\_liq\_tem  
mp\_22.2C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 51.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.316 mW/g

**Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:**

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

Reference Value = 9.251 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.178 mW/g**

Maximum value of SAR (measured) = 0.306 mW/g

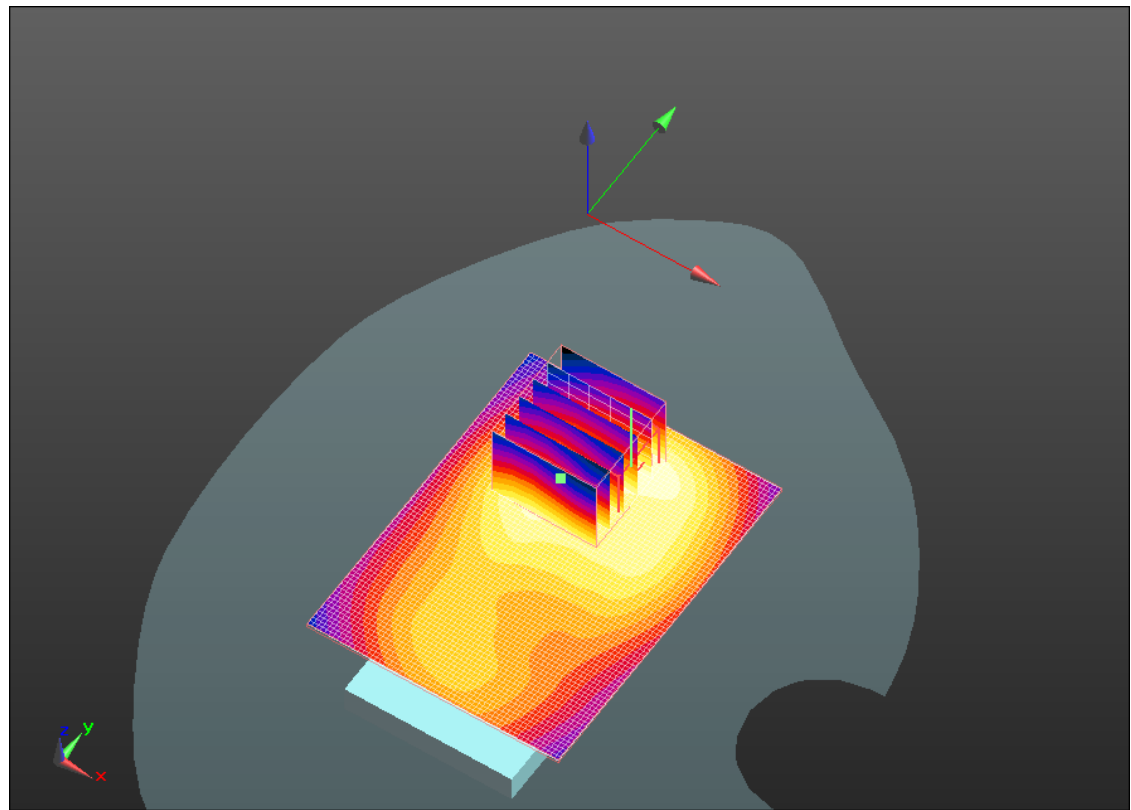
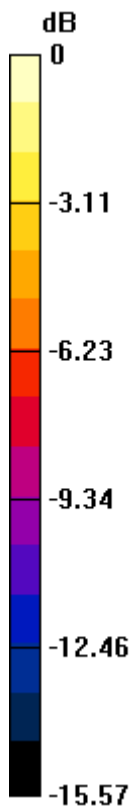
Author Data  
**Andrew Becker**

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FCC ID:  
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0 dB = 0.310mW/g

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Date/Time: 4/20/2011 12:19:08 PM, Date/Time: 4/20/2011 12:25:22 PM

Test Laboratory: RIM Testing Services

**15mm\_Spacer\_Front\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_23.0\_liq\_  
temp\_21.9C**

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 51.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.251 mW/g

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

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

Reference Value = 8.630 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.251 mW/g

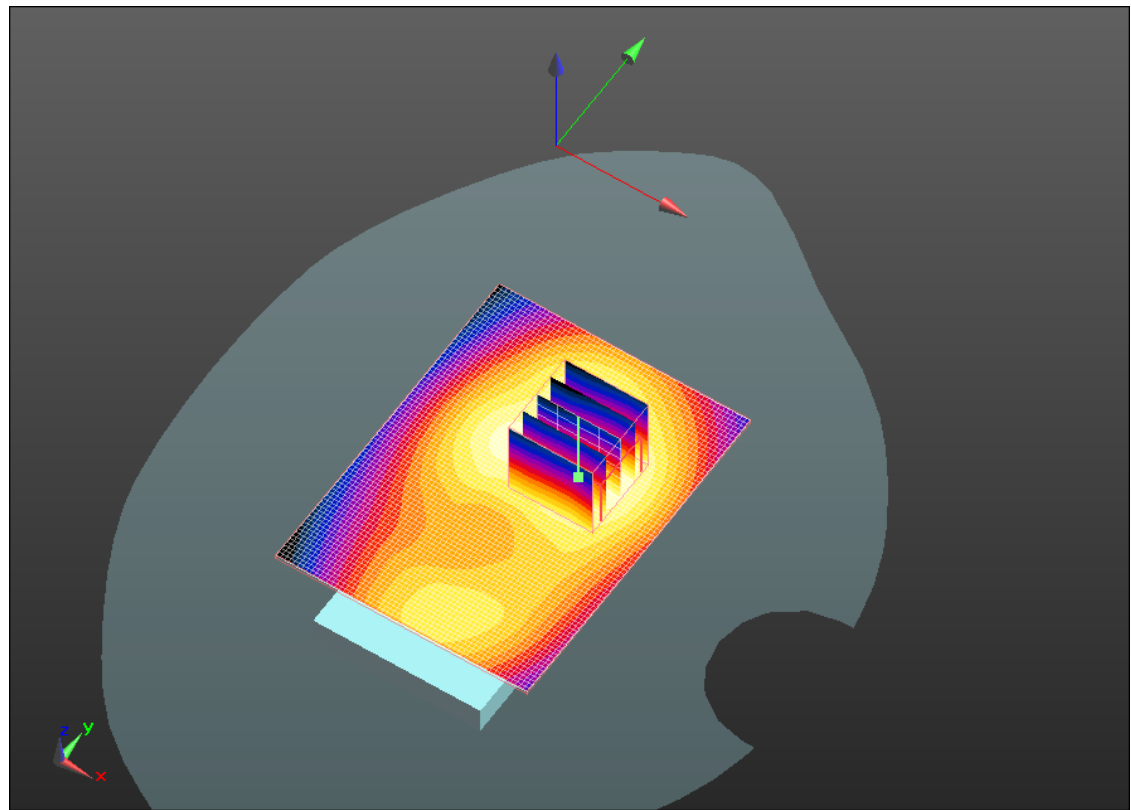
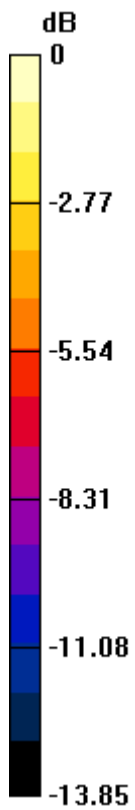
Author Data  
**Andrew Becker**

Dates of Test  
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0 dB = 0.250mW/g



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Date/Time: 4/20/2011 12:42:14 PM, Date/Time: 4/20/2011 12:48:28 PM

Test Laboratory: RIM Testing Services

## Vertical\_Holster\_Back\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_23.1\_liq\_t emp\_21.8C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 51.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x81x1):** Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.235 mW/g

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

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

Reference Value = 6.338 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.315 W/kg

**SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.233 mW/g

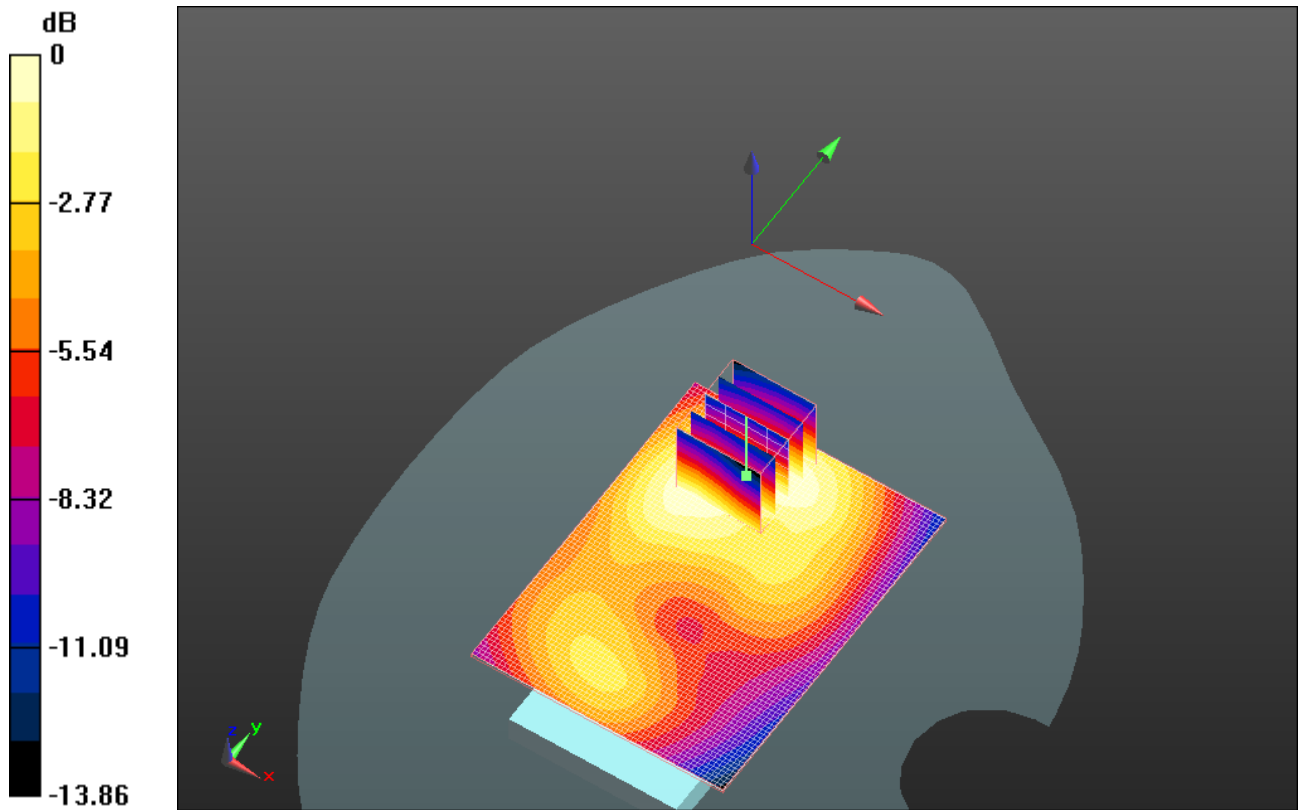
Author Data  
**Andrew Becker**

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0 dB = 0.230mW/g

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Date/Time: 4/20/2011 12:02:12 PM, Date/Time: 4/20/2011 12:08:26 PM

Test Laboratory: RIM Testing Services

## 15mm\_Spacer\_Back\_Headset\_UMTS\_band\_II\_mid\_chan\_amb\_temp\_2 3.1\_liq\_temp\_22.1C

**DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2727119F**

Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 51.198$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Configuration/Touch position -/Area Scan (61x81x1):** Measurement grid:  
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.358 mW/g

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

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

Reference Value = 10.694 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.473 W/kg

**SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.344 mW/g

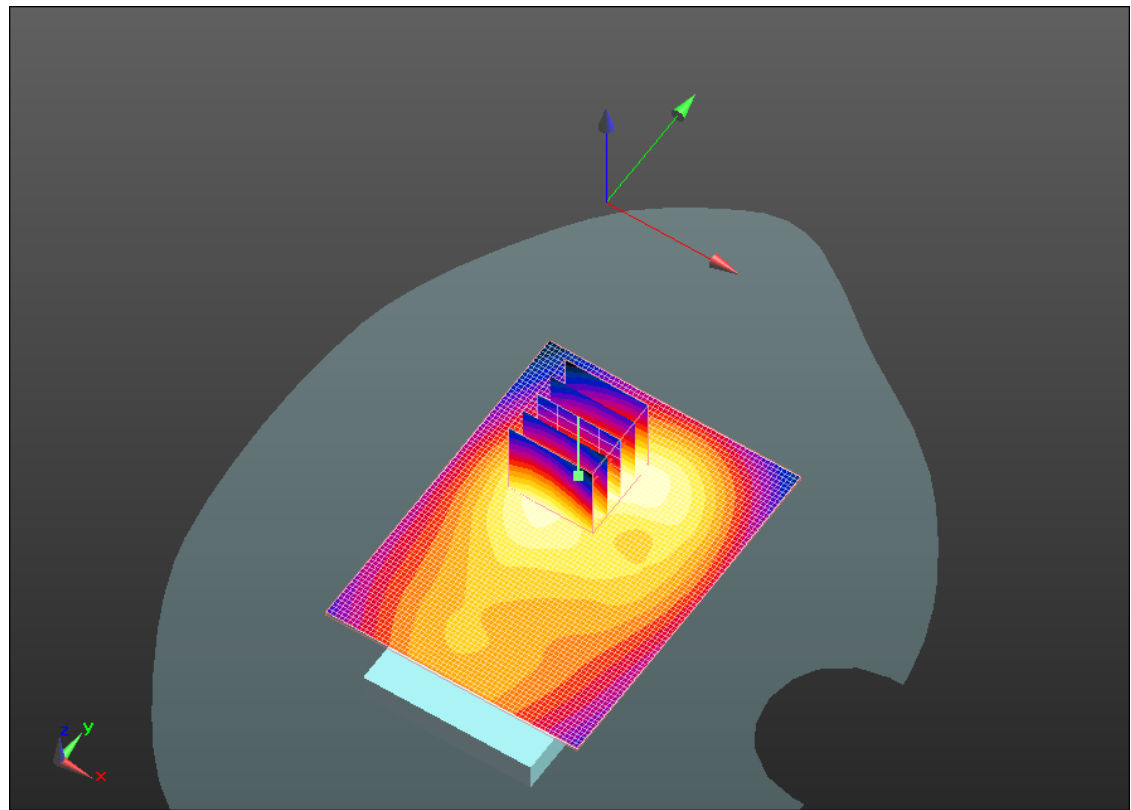
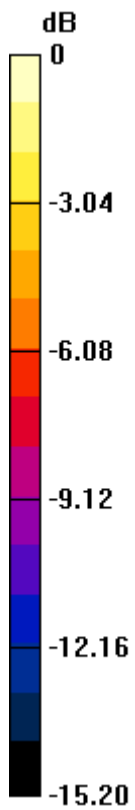
Author Data  
**Andrew Becker**

Dates of Test  
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FCC ID:  
**L6ARDX70UW**

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0 dB = 0.340mW/g

Author Data  
**Andrew Becker**

Dates of Test  
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**Z axis plot for the worst case body configuration:**

