
	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 1(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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Date/Time: 3/7/2011 7:35:49 PM, Date/Time: 3/7/2011 7:41:22 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_4_Slots_mid_chan_amb_temp_23.9_liq_tem p_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (4 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 3.18 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.315 mW/g


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

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

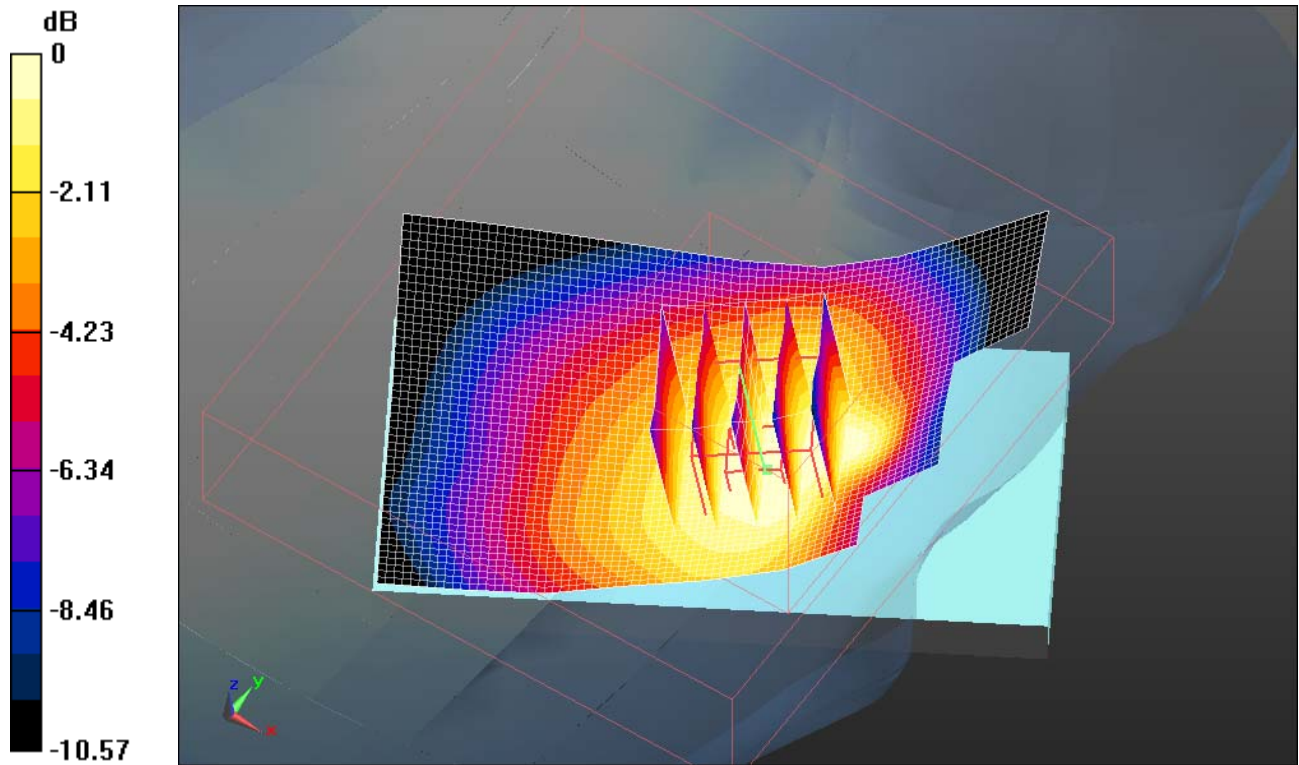
Reference Value = 7.077 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.354 W/kg


SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.230 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
 Maximum value of SAR (measured) = 0.311 mW/g



0 dB = 0.310mW/g

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Date/Time: 3/7/2011 6:50:11 PM, Date/Time: 3/7/2011 7:01:54 PM

Test Laboratory: RIM Testing Services

**RightHandSide_EDGE850_3_Slots_mid_chan_amb_temp_24.0_liq_tem
p_22.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 3.18 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.397 mW/g


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

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

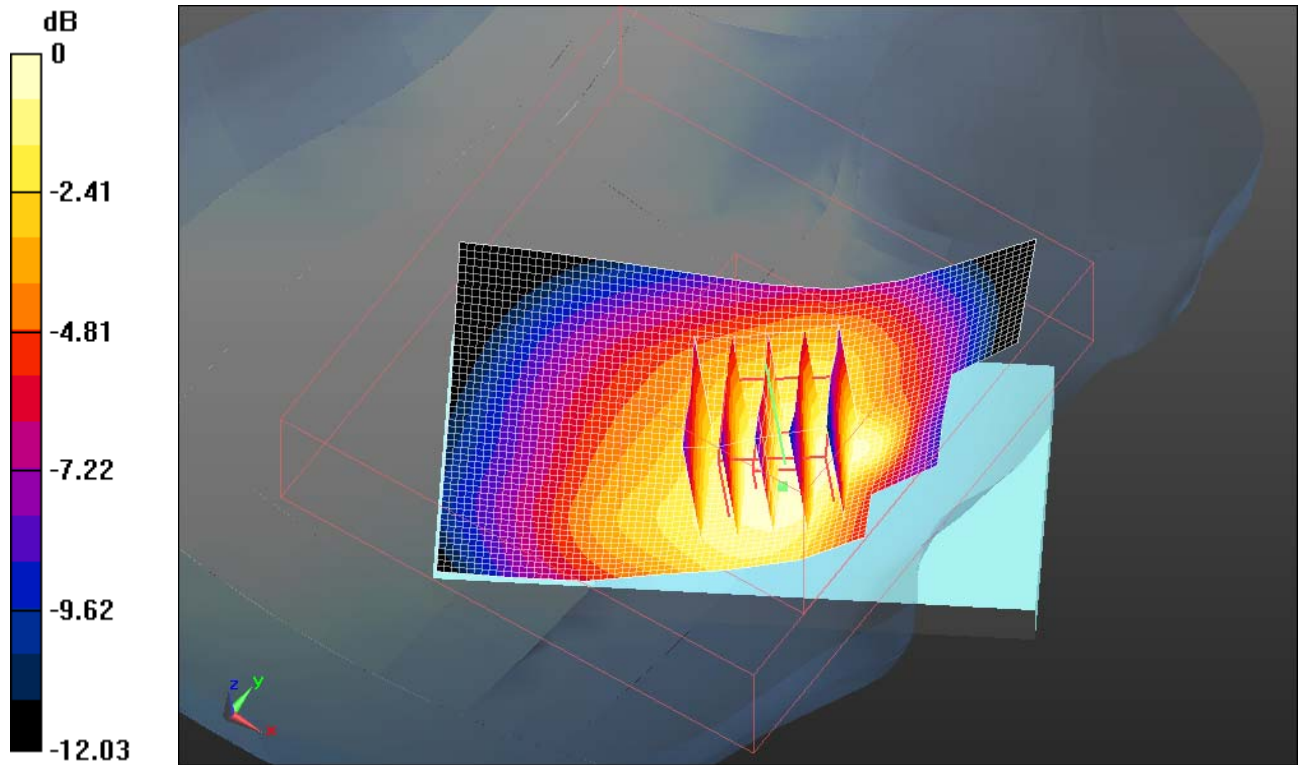
Reference Value = 8.296 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.473 W/kg


SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.302 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
 Maximum value of SAR (measured) = 0.410 mW/g



0 dB = 0.410mW/g

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Date/Time: 3/7/2011 6:08:07 PM, Date/Time: 3/7/2011 6:13:35 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_24.1_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (2slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 3.18 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

Phantom section: Right 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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.307 mW/g

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

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


Reference Value = 7.560 V/m; Power Drift = 0.14 dB

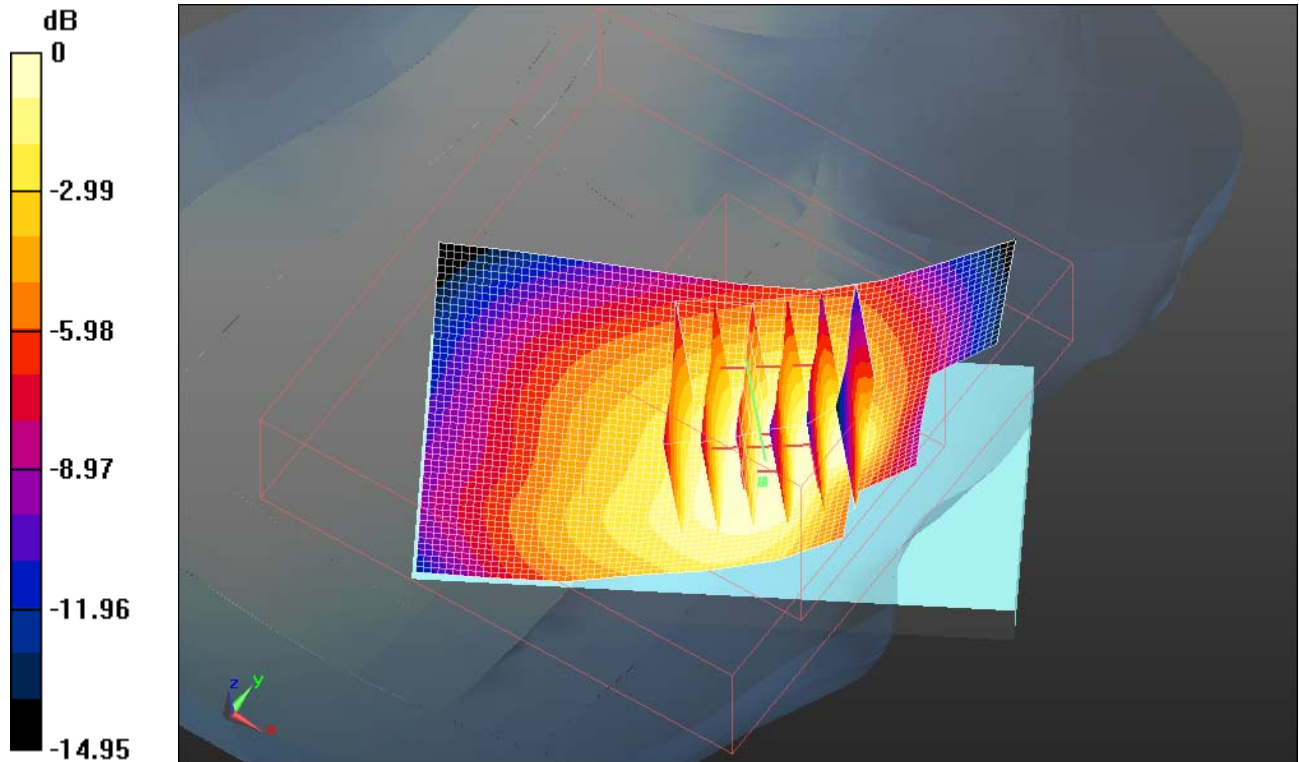
Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.305 mW/g; SAR(10 g) = 0.236 mW/g


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

Maximum value of SAR (measured) = 0.312 mW/g

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0 dB = 0.310mW/g

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Date/Time: 3/7/2011 8:09:07 PM, Date/Time: 3/7/2011 8:23:47 PM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_EDGE850_3_Slots_mid_chan_amb_temp_23.8_liq_
temp_22.1C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8 MHz; Communication System PAR: 3.18 dB
Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³
Phantom section: Right 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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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) = 0.322 mW/g


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

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

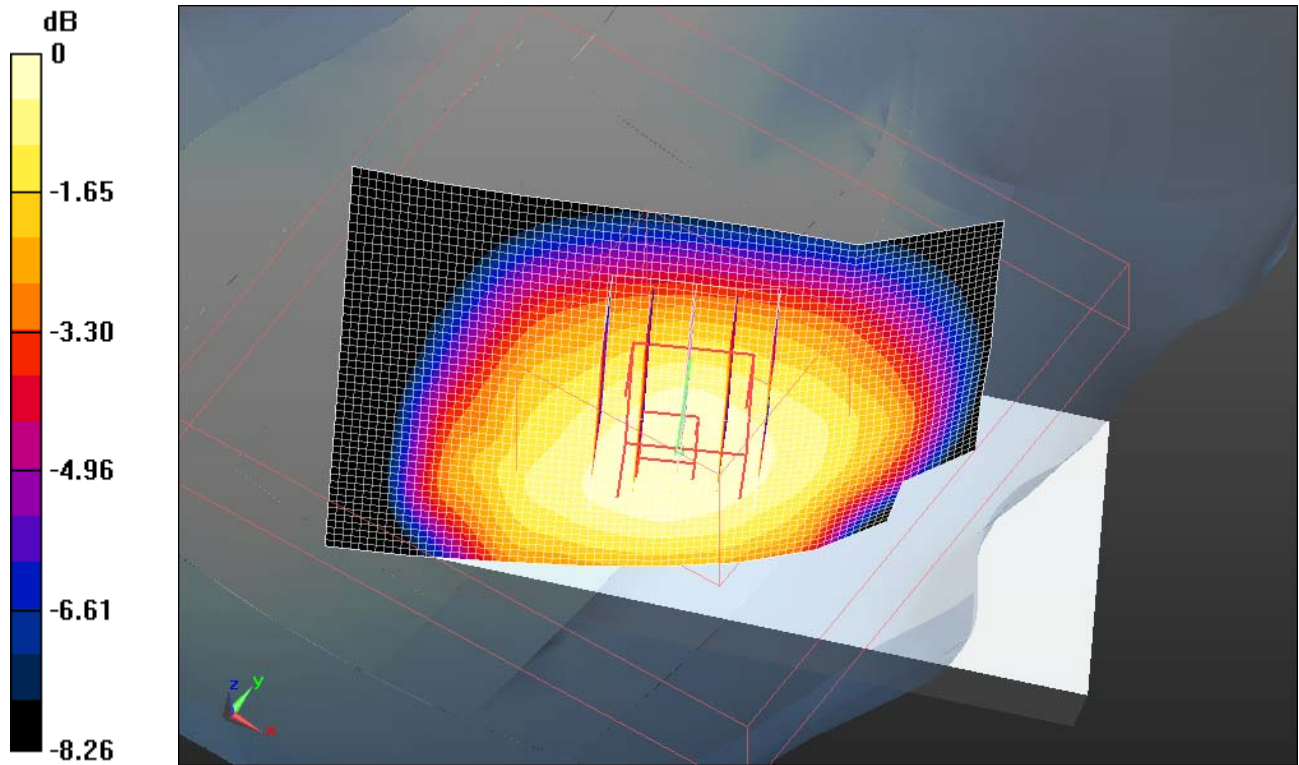
Reference Value = 13.690 V/m; Power Drift = 0.28 dB

Peak SAR (extrapolated) = 0.368 W/kg


SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.231 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.310mW/g

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Date/Time: 3/7/2011 7:50:32 PM, Date/Time: 3/7/2011 7:55:38 PM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_mid_chan_amb_temp_24.0_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.902$ mho/m; $\epsilon_r = 40.455$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.368 mW/g

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

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

Reference Value = 7.533 V/m; Power Drift = 0.32 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.263 mW/g

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

Maximum value of SAR (measured) = 0.354 mW/g

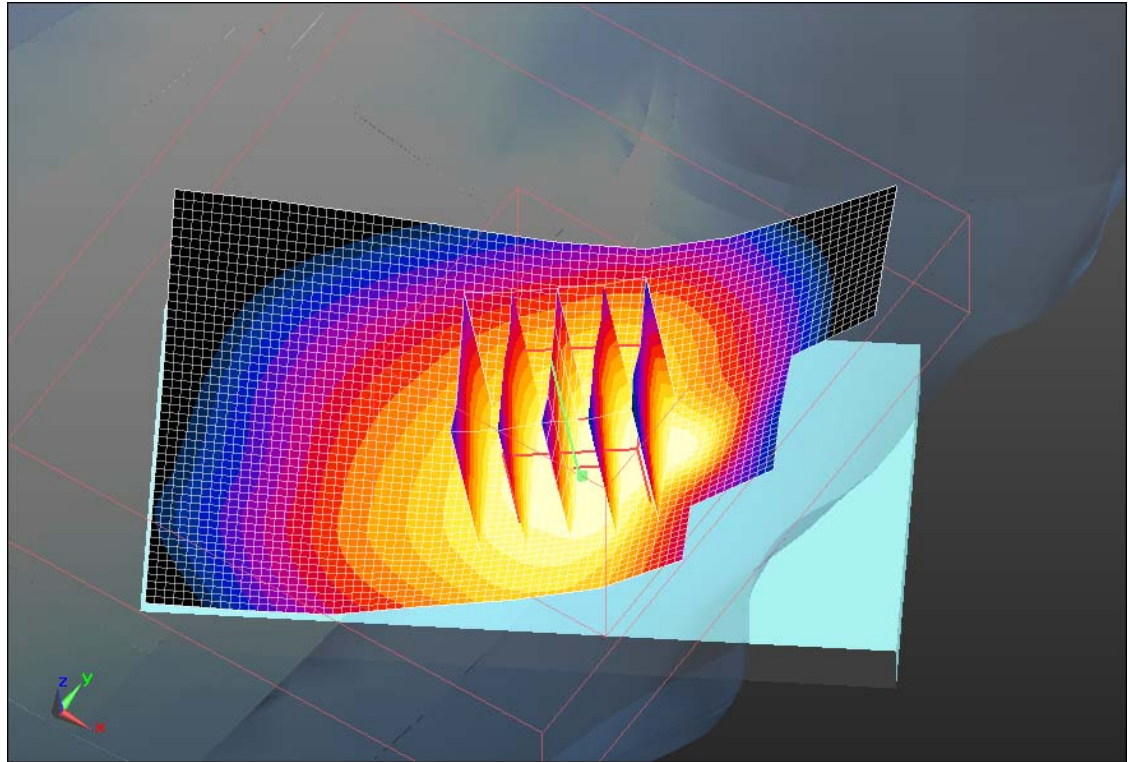
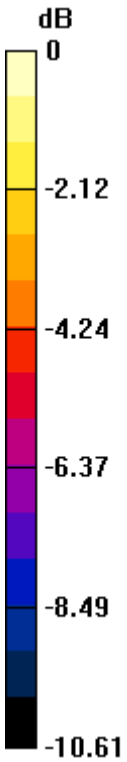
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.350mW/g

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Date/Time: 3/7/2011 8:40:19 PM, Date/Time: 3/7/2011 9:00:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_3Slots_mid_chan_amb_temp_23.8_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 3.18 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.476 mW/g


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

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

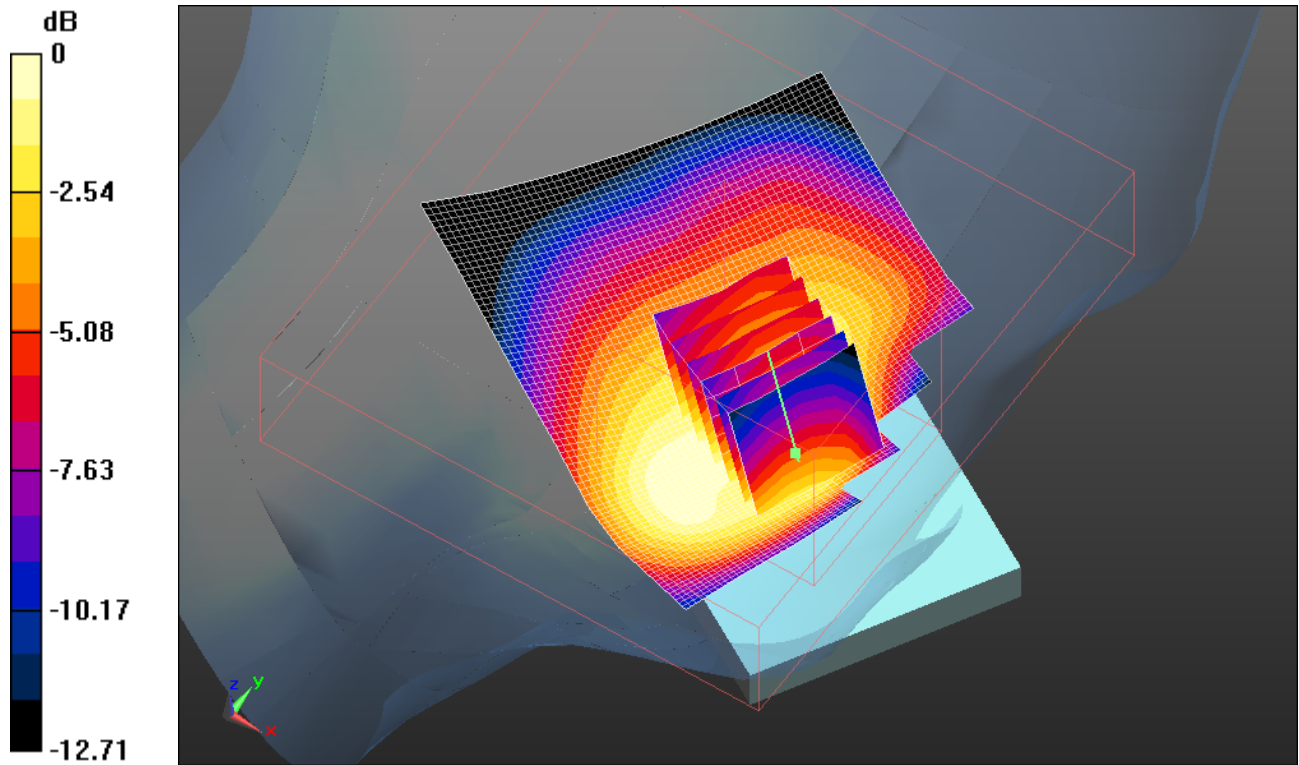
Reference Value = 7.747 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.582 W/kg


SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.313 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.428 mW/g



0 dB = 0.430mW/g

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Date/Time: 3/7/2011 9:11:39 PM, Date/Time: 3/7/2011 9:17:55 PM

Test Laboratory: RIM Testing Services

**LeftHandSide_Tilt_EDGE850_3_Slots_mid_chan_amb_temp_23.6_liq_tem
mp_22.0C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 3.18 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 40.45$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.299 mW/g


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

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

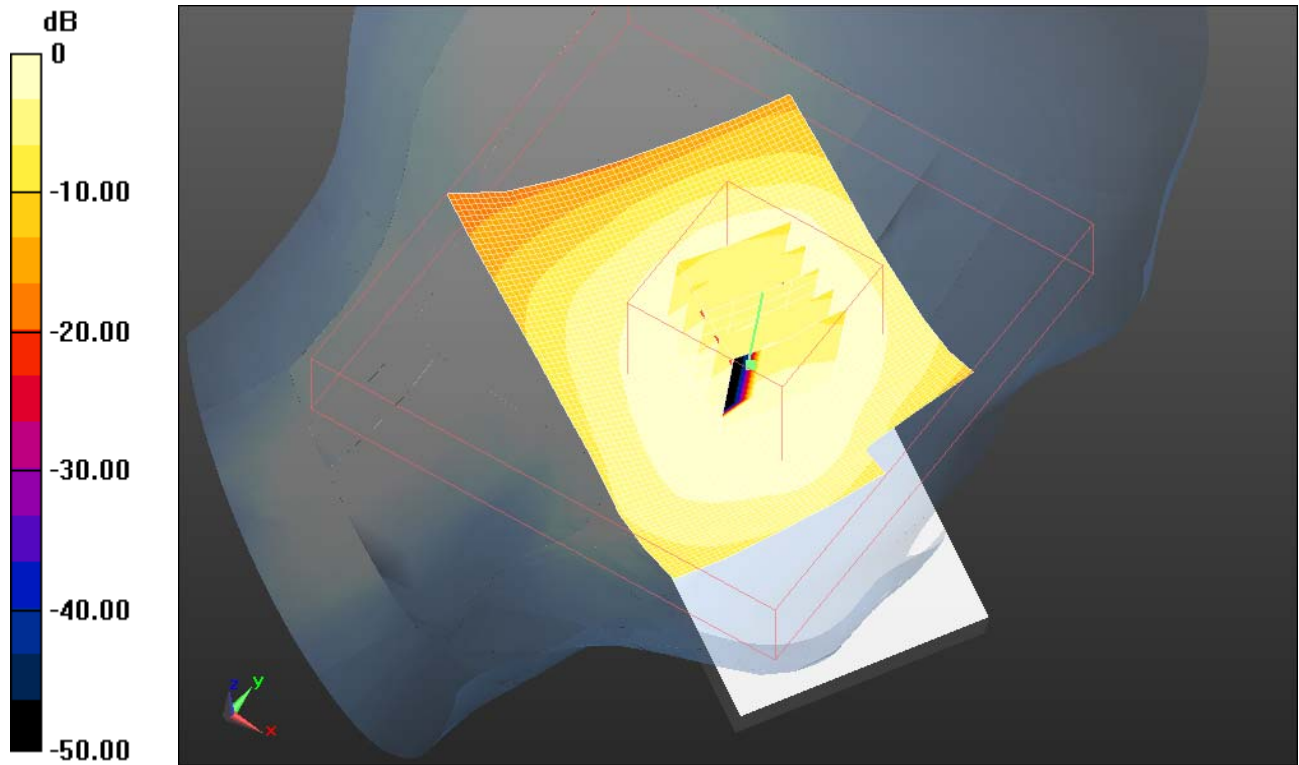
Reference Value = 13.973 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.348 W/kg


SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.216 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.299 mW/g



0 dB = 0.300mW/g

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Date/Time: 4/20/2011 5:16:20 PM, Date/Time: 4/20/2011 5:21:58 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_3_Slots_mid_chan_amb_temp_23.5_liq_tem p_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 4.472 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 40.05$; $\rho = 1000$ kg/m³

Phantom section: Right 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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 0.420 mW/g


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

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

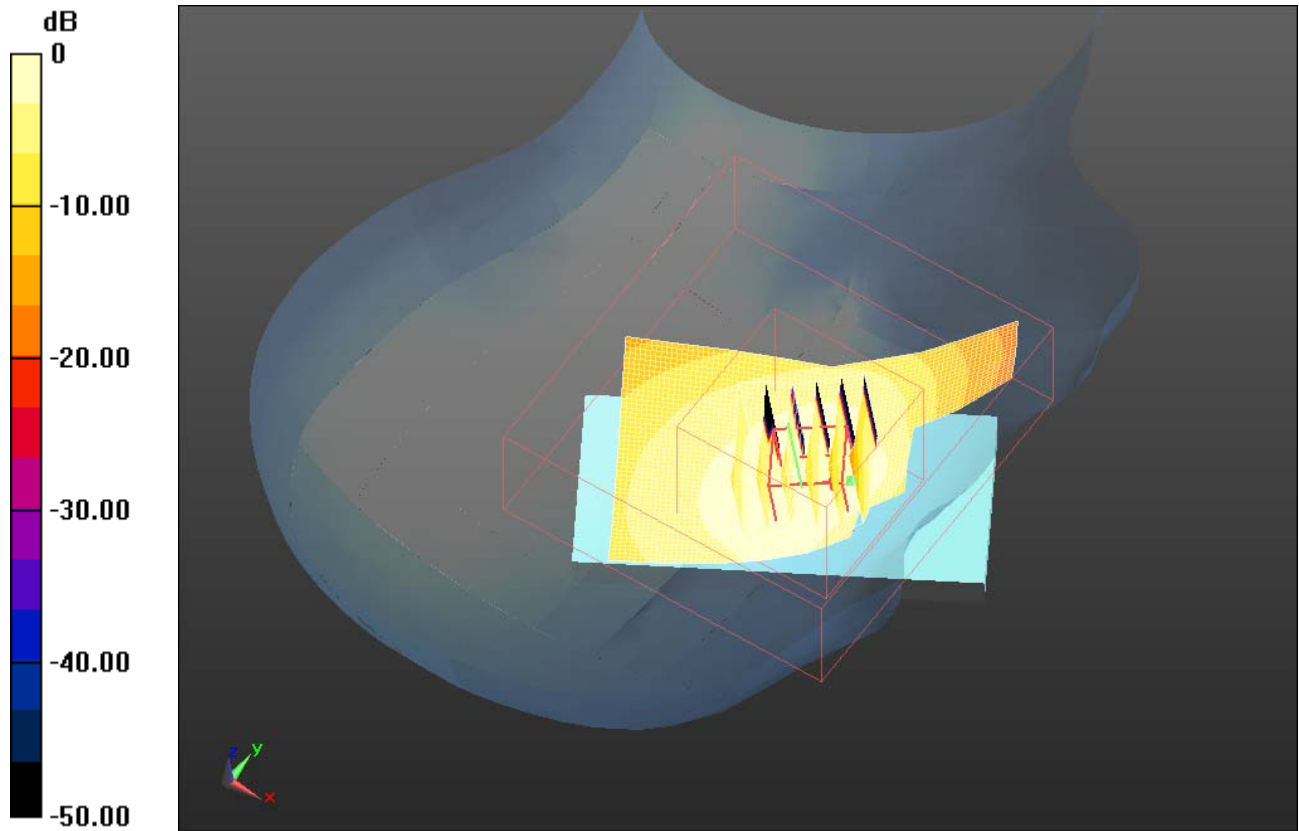
Reference Value = 9.362 V/m; Power Drift = 0.75 dB

Peak SAR (extrapolated) = 0.839 W/kg


SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.317 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.418 mW/g



0 dB = 0.420mW/g

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Date/Time: 4/20/2011 6:02:14 PM, Date/Time: 4/20/2011 6:08:01 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_3_Slots_mid_chan_amb_temp_23.6_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: EDGE 850 (3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.8

MHz; Communication System PAR: 4.472 dB

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.876$ mho/m; $\epsilon_r = 40.05$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.385 mW/g


Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:

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

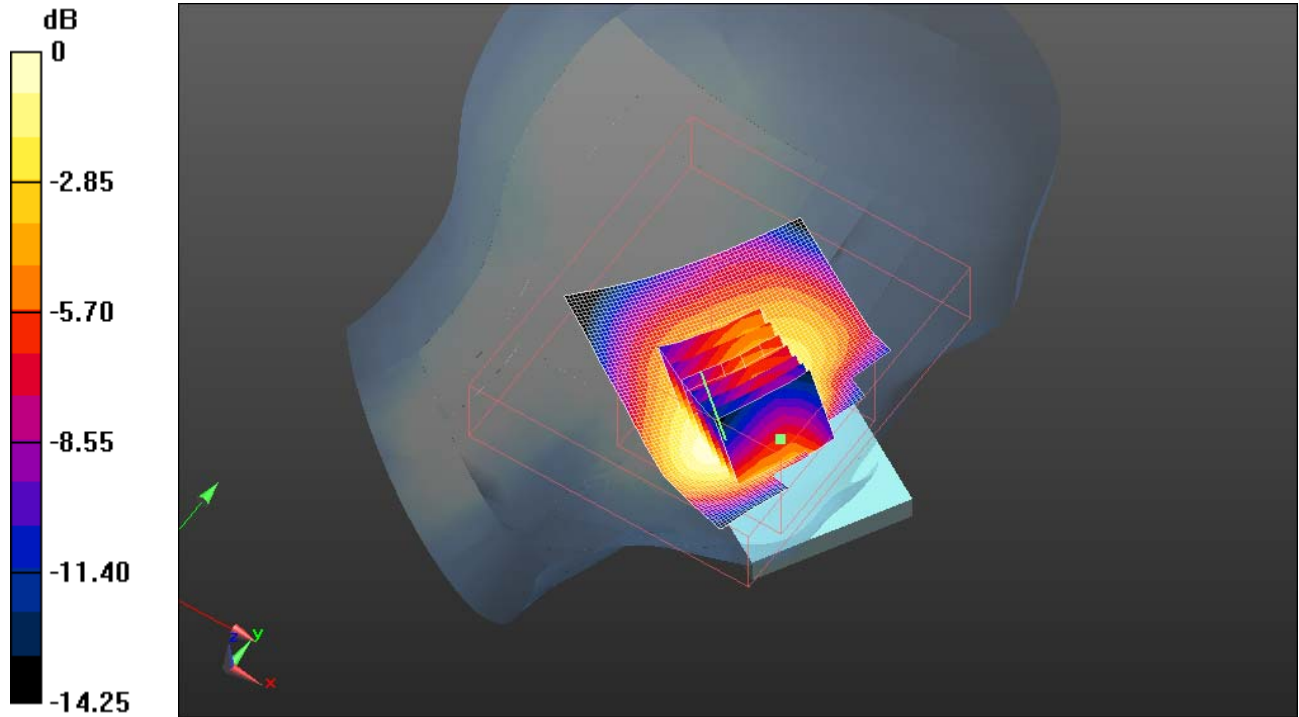
Reference Value = 8.806 V/m; Power Drift = 0.57 dB

Peak SAR (extrapolated) = 0.664 W/kg


SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.298 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.411 mW/g



0 dB = 0.410mW/g

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Date/Time: 2/7/2011 7:43:03 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA800_mid_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.601 mW/g

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.45 V/m; Power Drift = -0.245 dB

Peak SAR (extrapolated) = 0.610 W/kg

SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.400 mW/g

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

Maximum value of SAR (measured) = 0.573 mW/g

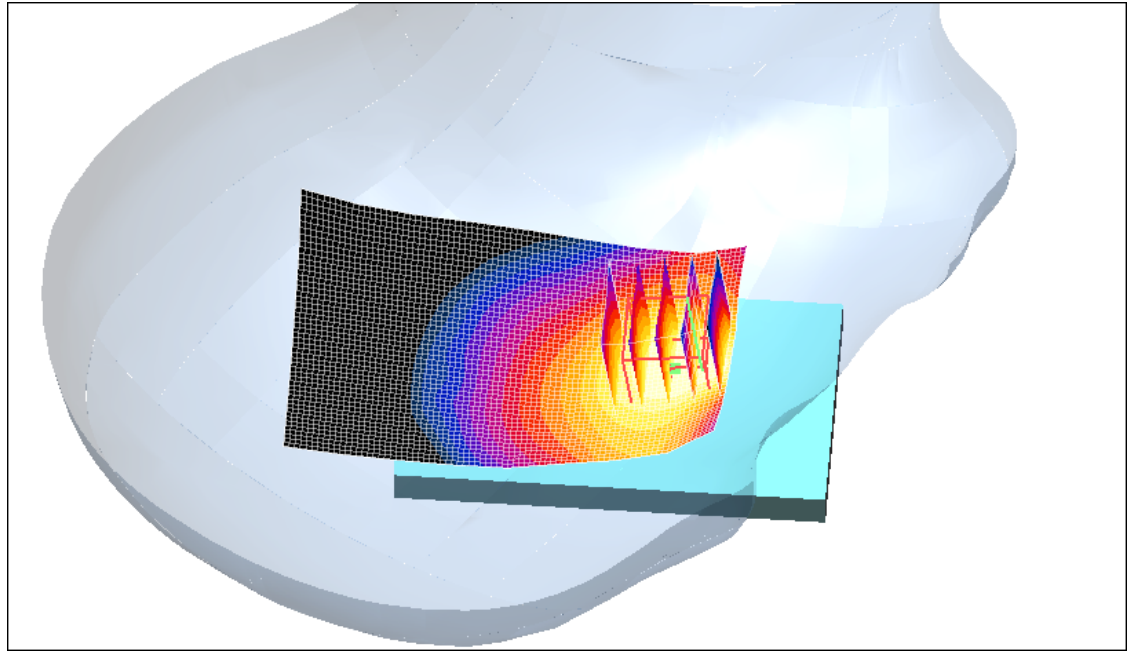
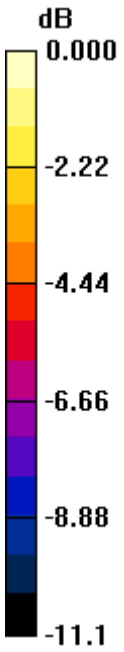
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.573mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 22(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/7/2011 7:58:41 PM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_CDMA800_mid_chan_amb_temp_23.5_liq_temp_22
.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.363 mW/g

Touch position - Mid/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.9 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.276 mW/g

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

Maximum value of SAR (measured) = 0.368 mW/g

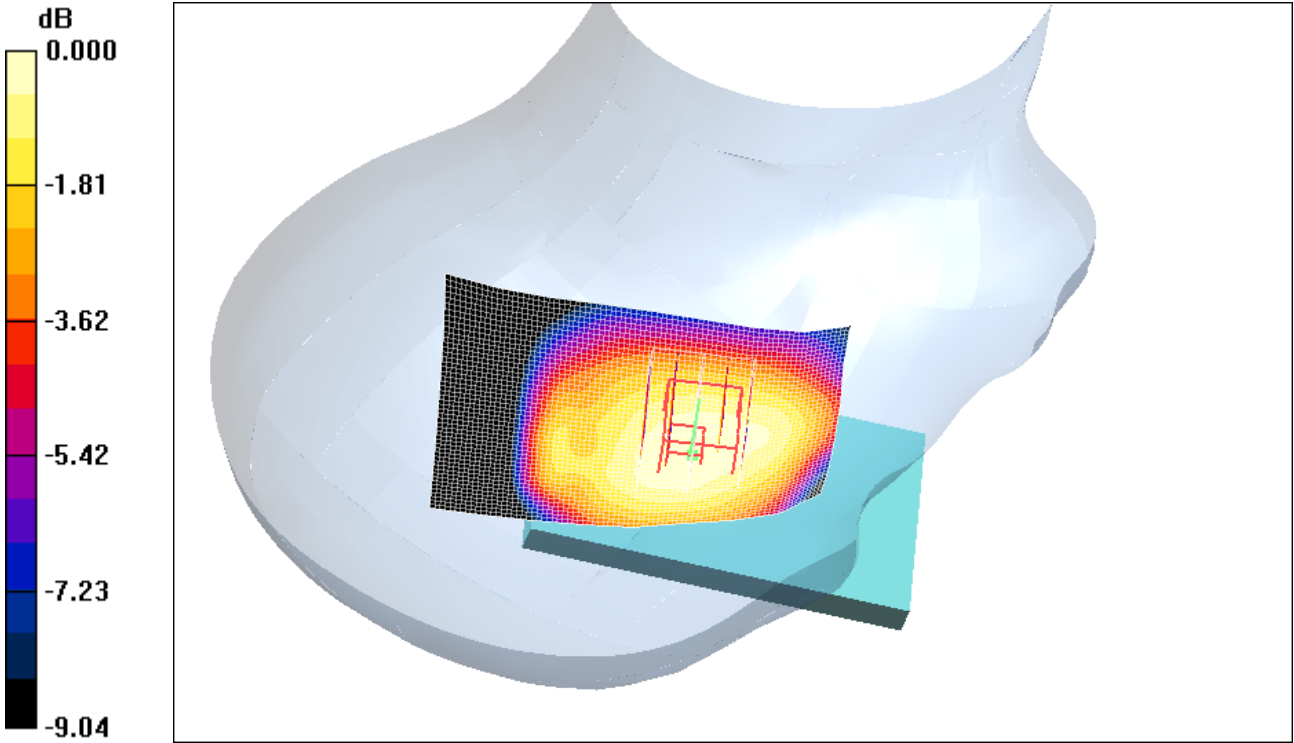
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.368mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 24(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/7/2011 8:13:46 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA800_mid_chan_amb_temp_23.4_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.723 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 8.62 V/m; Power Drift = -0.232 dB

Peak SAR (extrapolated) = 0.632 W/kg

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.353 mW/g

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

Maximum value of SAR (measured) = 0.537 mW/g

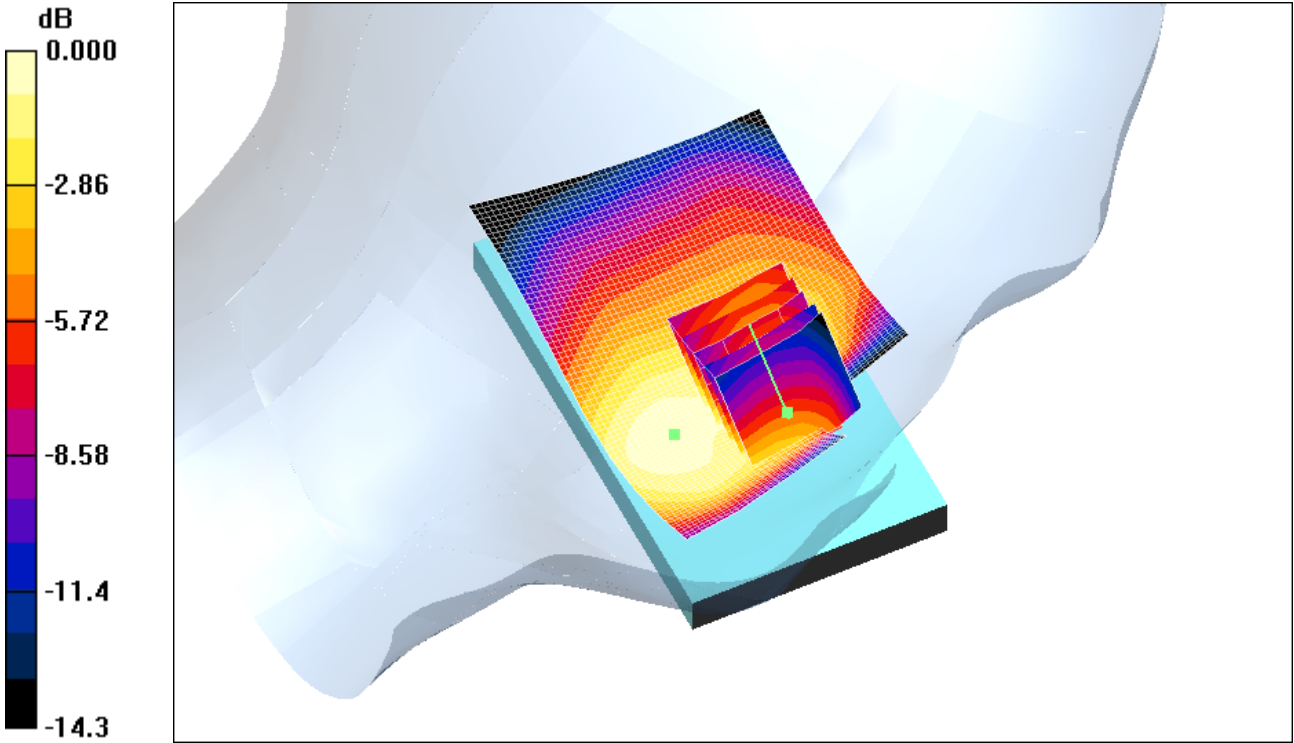
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.537mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 26(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/7/2011 8:31:02 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA800_mid_chan_amb_temp_23.2_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 800; Frequency: 836.52 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 42.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.01, 6.01, 6.01); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

Maximum value of SAR (interpolated) = 0.345 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 15.2 V/m; Power Drift = 0.046 dB

Peak SAR (extrapolated) = 0.385 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.258 mW/g

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

Maximum value of SAR (measured) = 0.343 mW/g

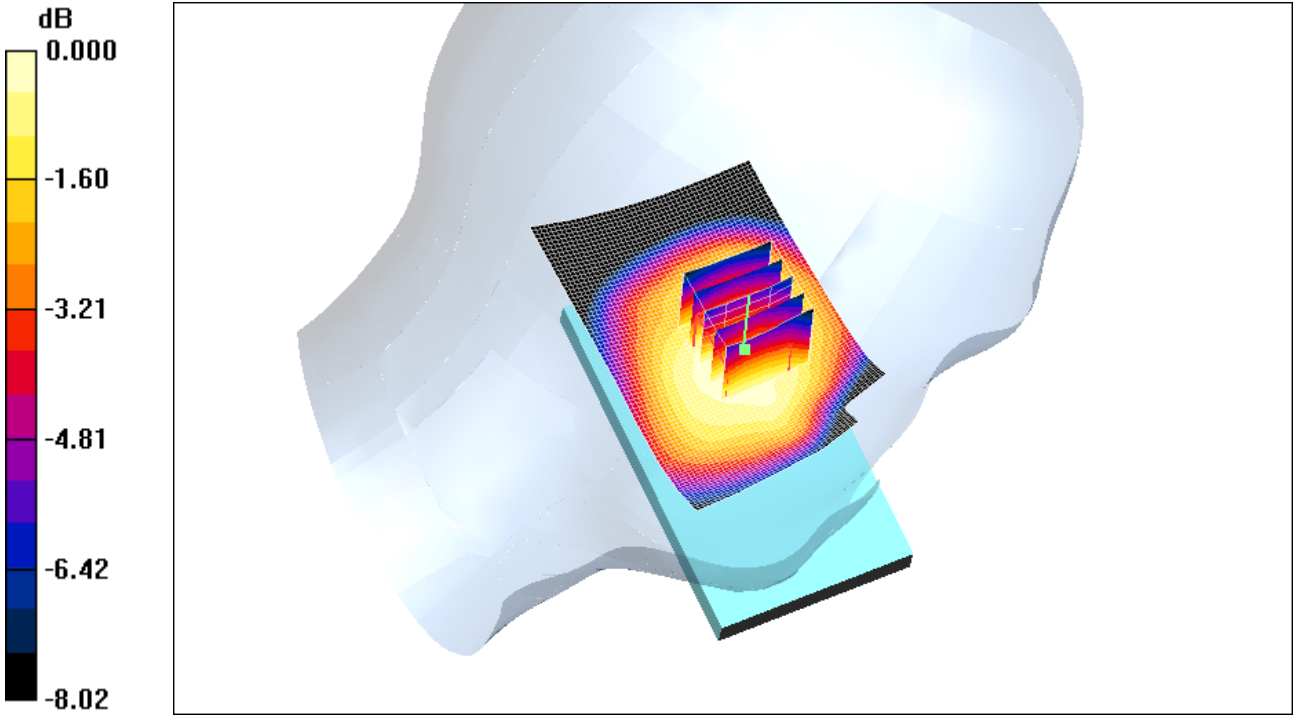
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.343mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 28(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 12:19:39 AM, Date/Time: 4/19/2011 12:24:58 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_low_chan_amb_temp_23.0_liq_temp_21.9

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1851.25

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.304$ mho/m; $\epsilon_r = 38.352$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.188 mW/g


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

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

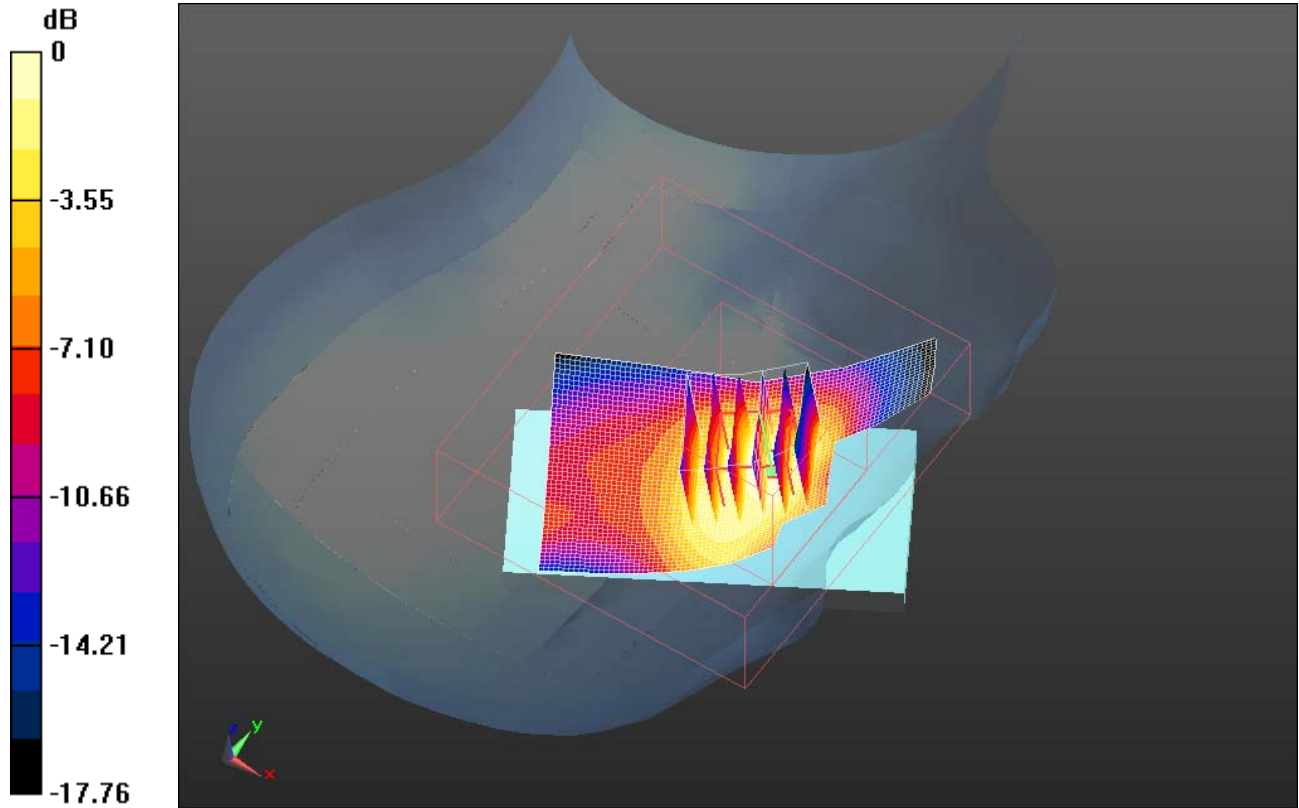
Reference Value = 11.464 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.564 W/kg


SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.689 mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.182 mW/g



0 dB = 1.180mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 12:05:54 AM, Date/Time: 4/19/2011 12:11:13 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_mid_chan_amb_temp_23.1_liq_temp_22.0

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.283 mW/g

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

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

Reference Value = 11.474 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.551 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.702 mW/g

Maximum value of SAR (measured) = 1.225 mW/g

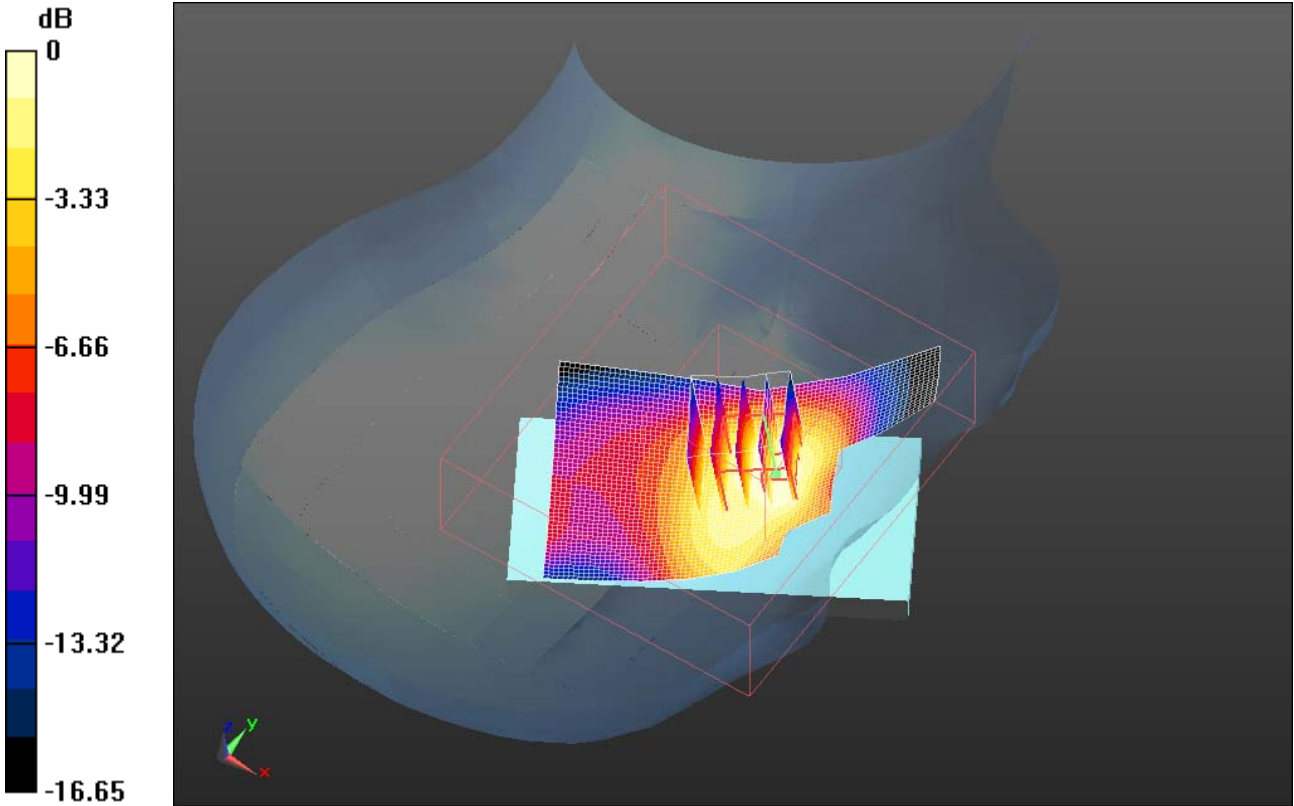
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 1.220mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 12:35:15 AM, Date/Time: 4/19/2011 12:40:35 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_high_chan_amb_temp_23.0_liq_temp_21.9

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1908.5

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1908.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 38.197$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.208 mW/g


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

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

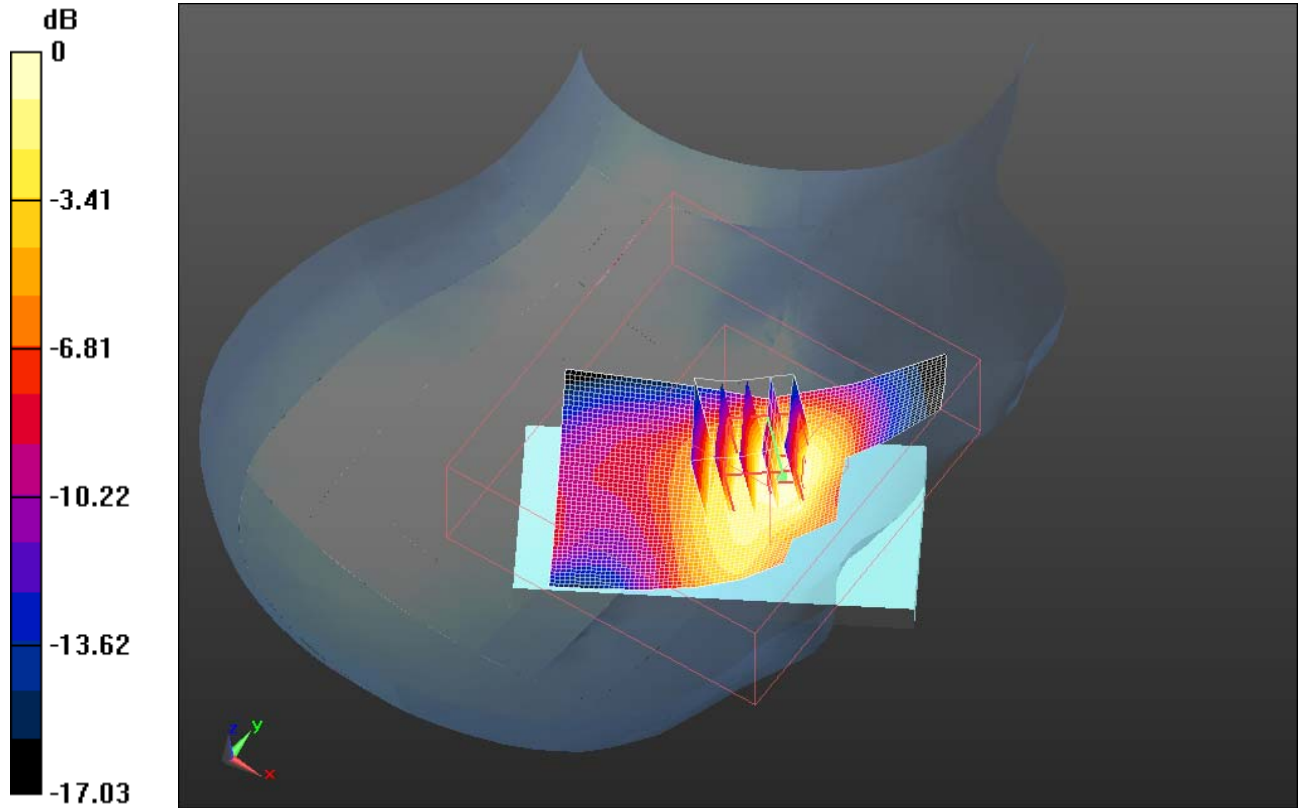
Reference Value = 10.366 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.465 W/kg


SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.645 mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.142 mW/g



0 dB = 1.140mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 34(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 12:49:36 AM, Date/Time: 4/19/2011 12:54:43 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.0_liq_temp_2 1.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 0.511 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:


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

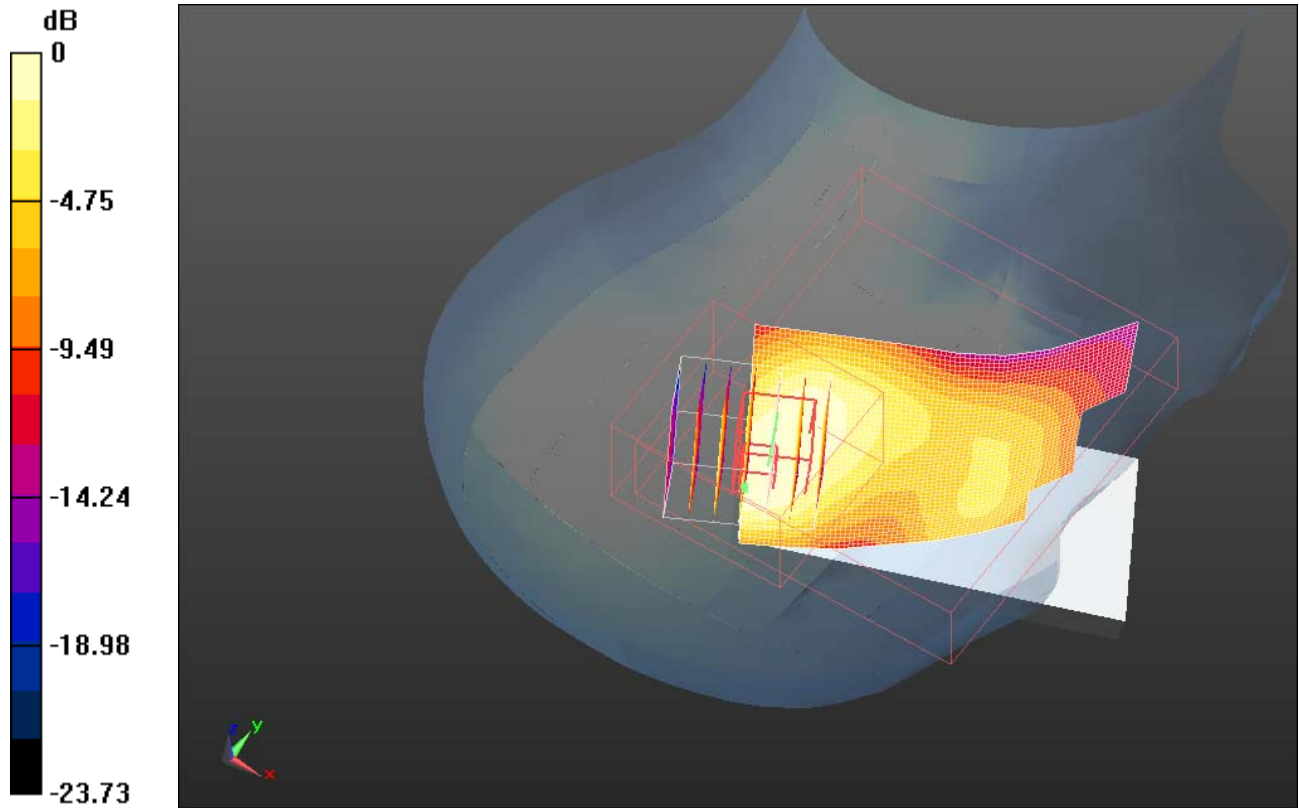
Reference Value = 19.020 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.678 W/kg


SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.462 mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW



0 dB = 0.460mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 36(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 1:25:59 AM, Date/Time: 4/19/2011 1:33:06 AM, Date/Time:
4/19/2011 1:42:09 AM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_low_chan_amb_temp_22.9_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1851.25

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.304$ mho/m; $\epsilon_r = 38.352$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.363 mW/g

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


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

Reference Value = 9.380 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.016 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.646 mW/g

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

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 37(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

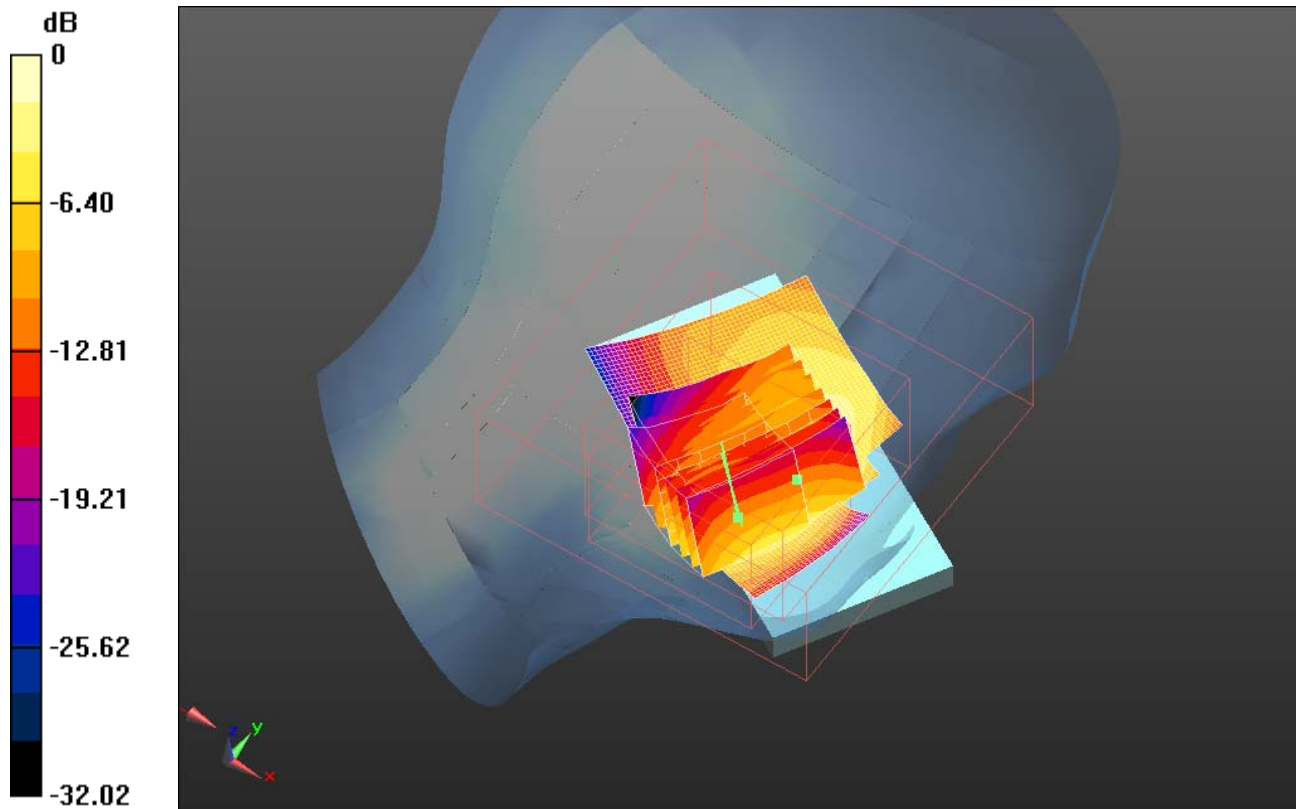
Maximum value of SAR (measured) = 1.269 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (8x7x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.380 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 2.015 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.639 mW/g

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

Maximum value of SAR (measured) = 1.255 mW/g



0 dB = 1.250mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 38(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 1:10:34 AM, Date/Time: 4/19/2011 1:15:35 AM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.0_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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:

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

Maximum value of SAR (interpolated) = 1.496 mW/g

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

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

Reference Value = 10.077 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 2.311 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.695 mW/g

Maximum value of SAR (measured) = 1.422 mW/g

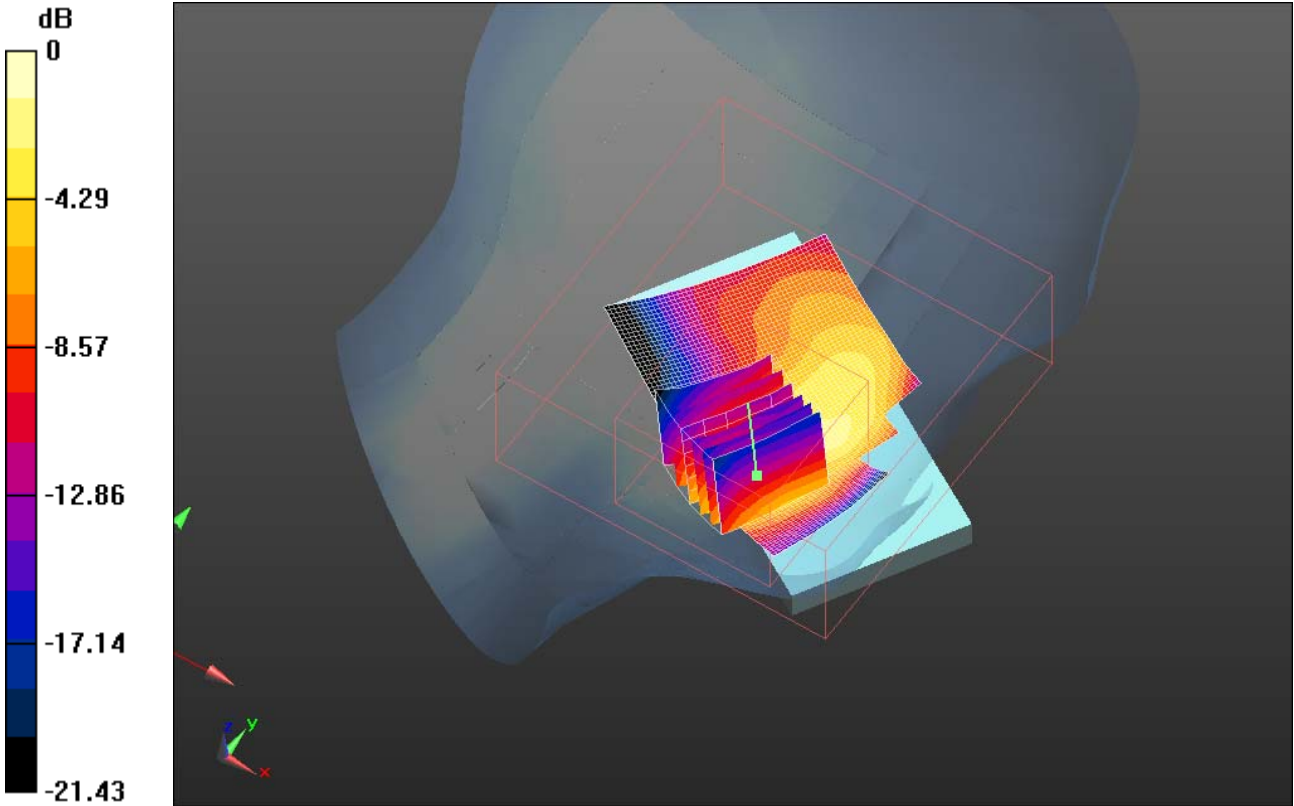
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 1.420mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 40(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 1:57:56 AM, Date/Time: 4/19/2011 2:02:55 AM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_high_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1908.5

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1908.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 38.197$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.345 mW/g

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

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

Reference Value = 9.495 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.151 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.623 mW/g

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

Maximum value of SAR (measured) = 1.327 mW/g

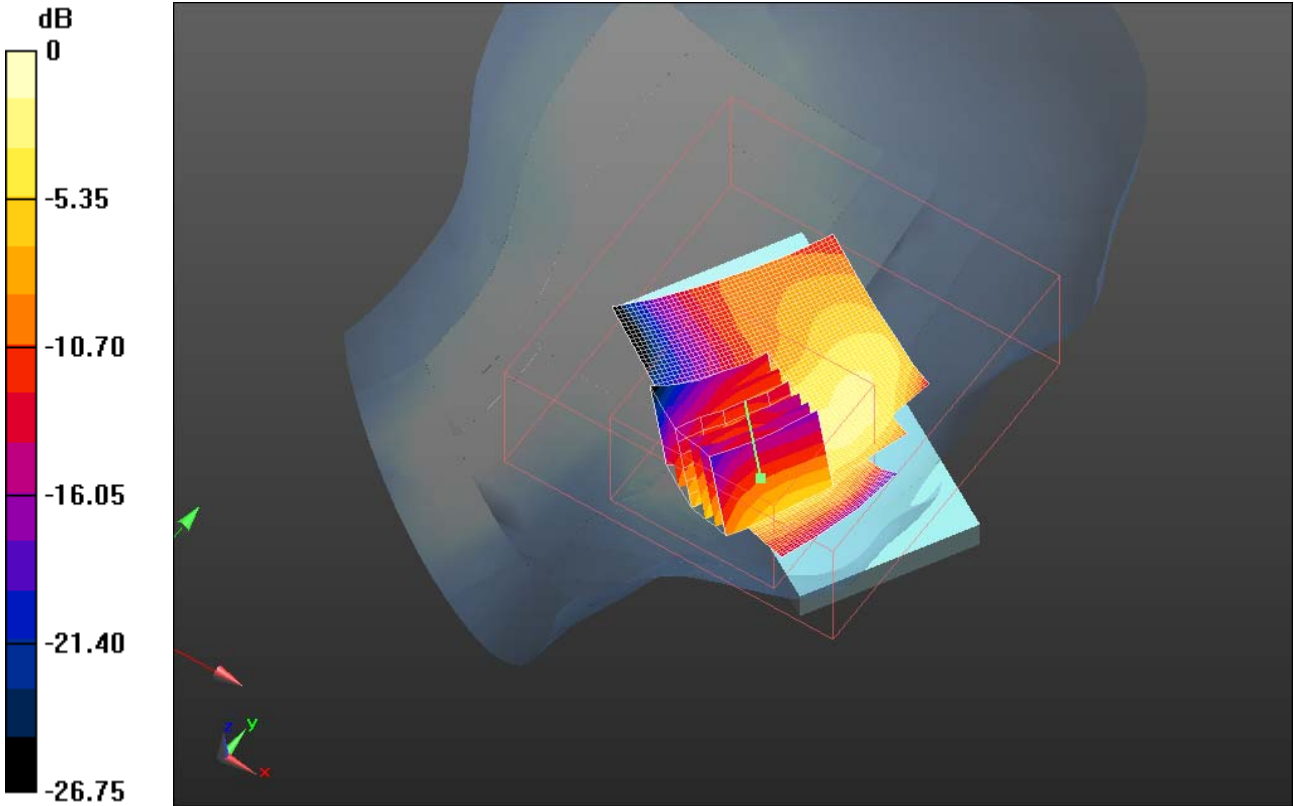
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 1.330mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 42(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 2:15:08 AM, Date/Time: 4/19/2011 2:20:11 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.2_liq_temp_22
.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: CDMA 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASYS5 (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 Sn473; Calibrated: 1/21/2011
- 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) = 0.676 mW/g

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

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

Reference Value = 18.271 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (measured) = 0.595 mW/g

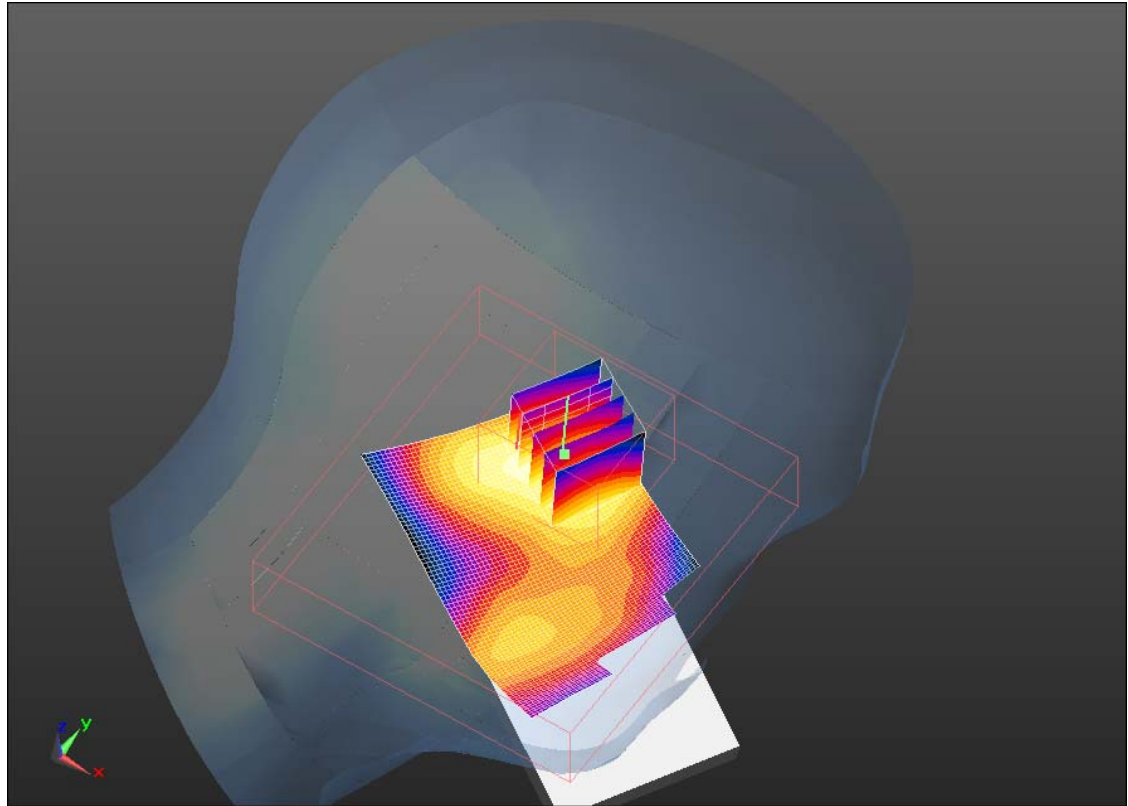
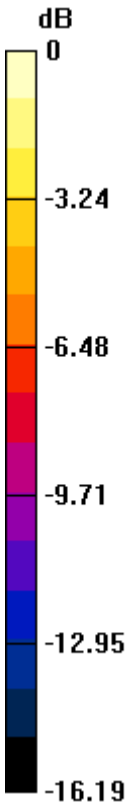
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.590mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 44(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/20/2011 6:52:33 PM, Date/Time: 4/20/2011 6:57:53 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA800_mid_chan_amb_temp_23.6_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: CDMA 800; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.52

MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.054$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 0.562 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x7x7)/Cube 0:

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

Reference Value = 12.643 V/m; Power Drift = -0.77 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.389 mW/g

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

Maximum value of SAR (measured) = 0.518 mW/g

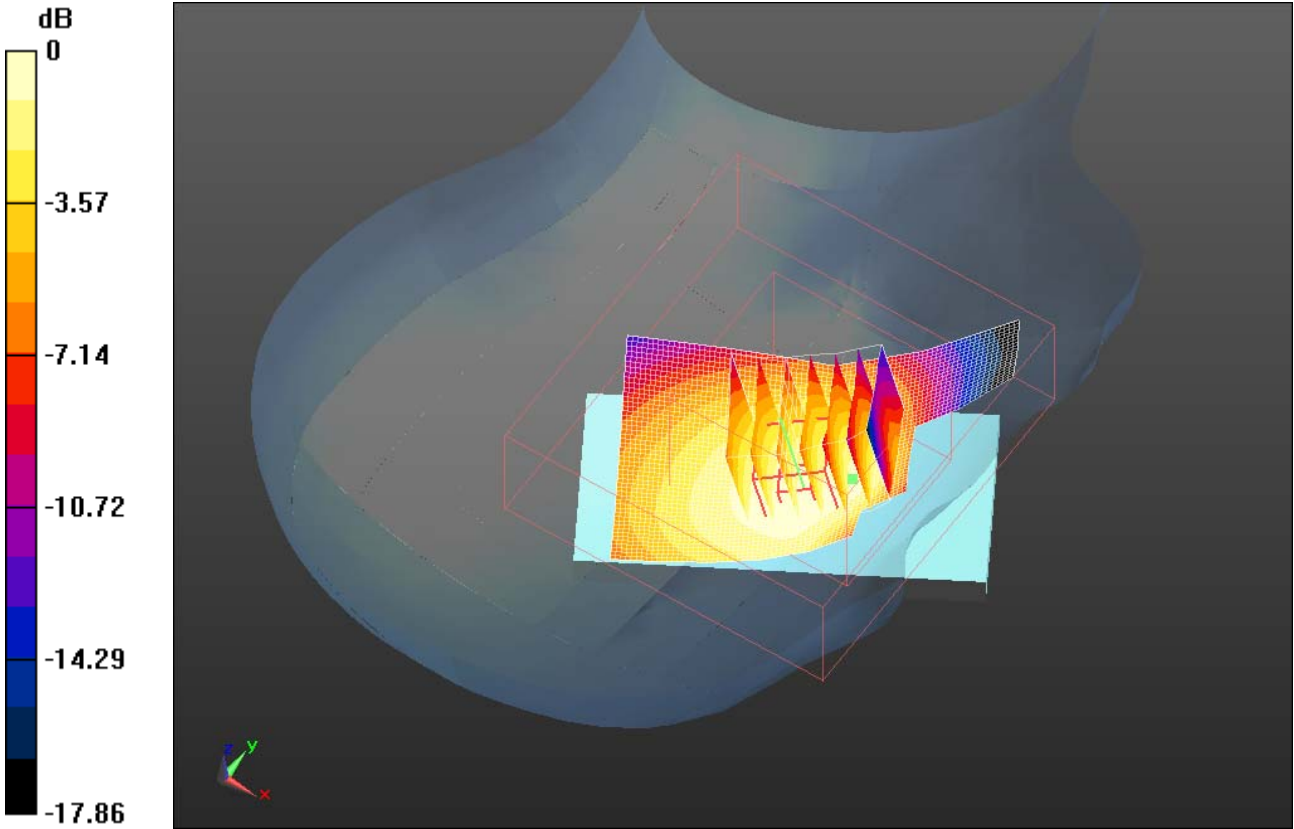
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.520mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/20/2011 6:22:14 PM, Date/Time: 4/20/2011 6:28:01 PM, Date/Time: 4/20/2011 6:34:11 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA800_mid_chan_amb_temp_23.6_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: CDMA 800; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.52 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.054$; $\rho = 1000$ kg/m³
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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm


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

Maximum value of SAR (interpolated) = 0.572 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.247 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.727 W/kg
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.409 mW/g

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

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 47(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

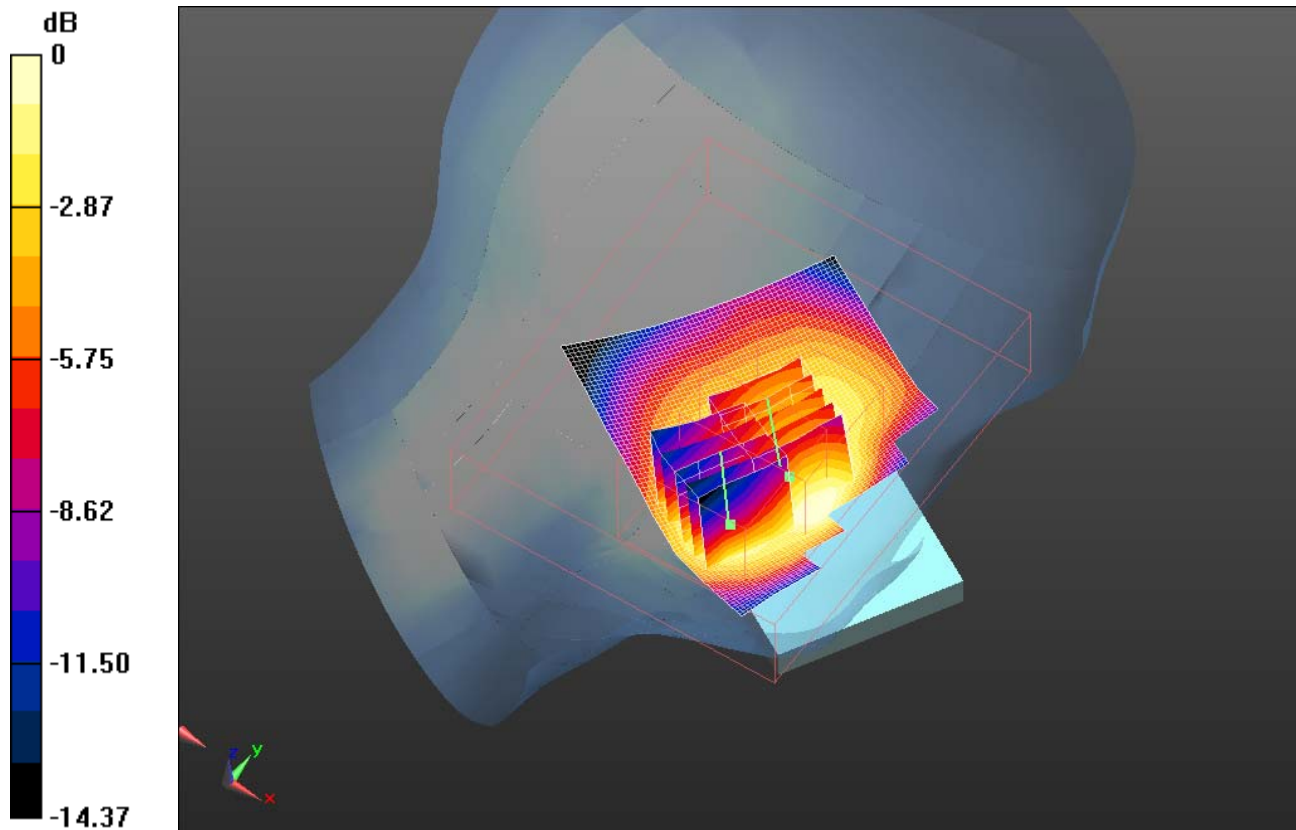
Maximum value of SAR (measured) = 0.546 mW/g

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


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.247 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.866 W/kg
SAR(1 g) = 0.509 mW/g; SAR(10 g) = 0.334 mW/g

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

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.540mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 8:58:23 PM, Date/Time: 2/25/2011 9:03:55 PM

Test Laboratory: RIM Testing Services

**RightHandSide_EDGE1900_4_Slots_mid_chan_amb_temp_23.0_liq_tem
mp_21.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 1900(4 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 3.222 dB
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.944 mW/g

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

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

Reference Value = 10.118 V/m; Power Drift = 0.26 dB

Peak SAR (extrapolated) = 1.184 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.547 mW/g

Maximum value of SAR (measured) = 0.980 mW/g

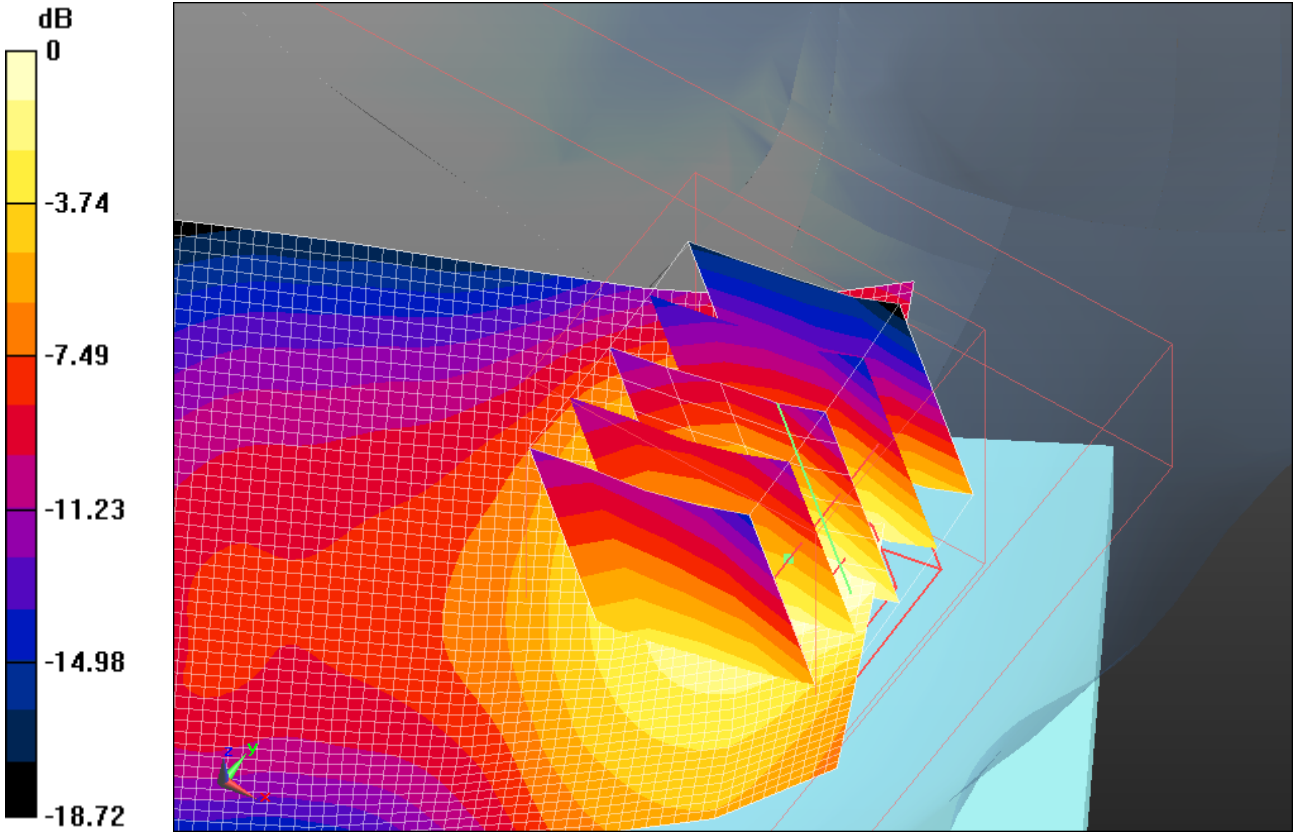
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.980mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 50(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 8:37:07 PM, Date/Time: 2/25/2011 8:49:52 PM

Test Laboratory: RIM Testing Services

**RightHandSide_EDGE1900_3_Slots_mid_chan_amb_temp_23.1_liq_tem
mp_21.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 1900(3 slots); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz; Communication System PAR: 4.472 dB
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.876 mW/g

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

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

Reference Value = 9.726 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.107 W/kg

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.525 mW/g

Maximum value of SAR (measured) = 0.923 mW/g

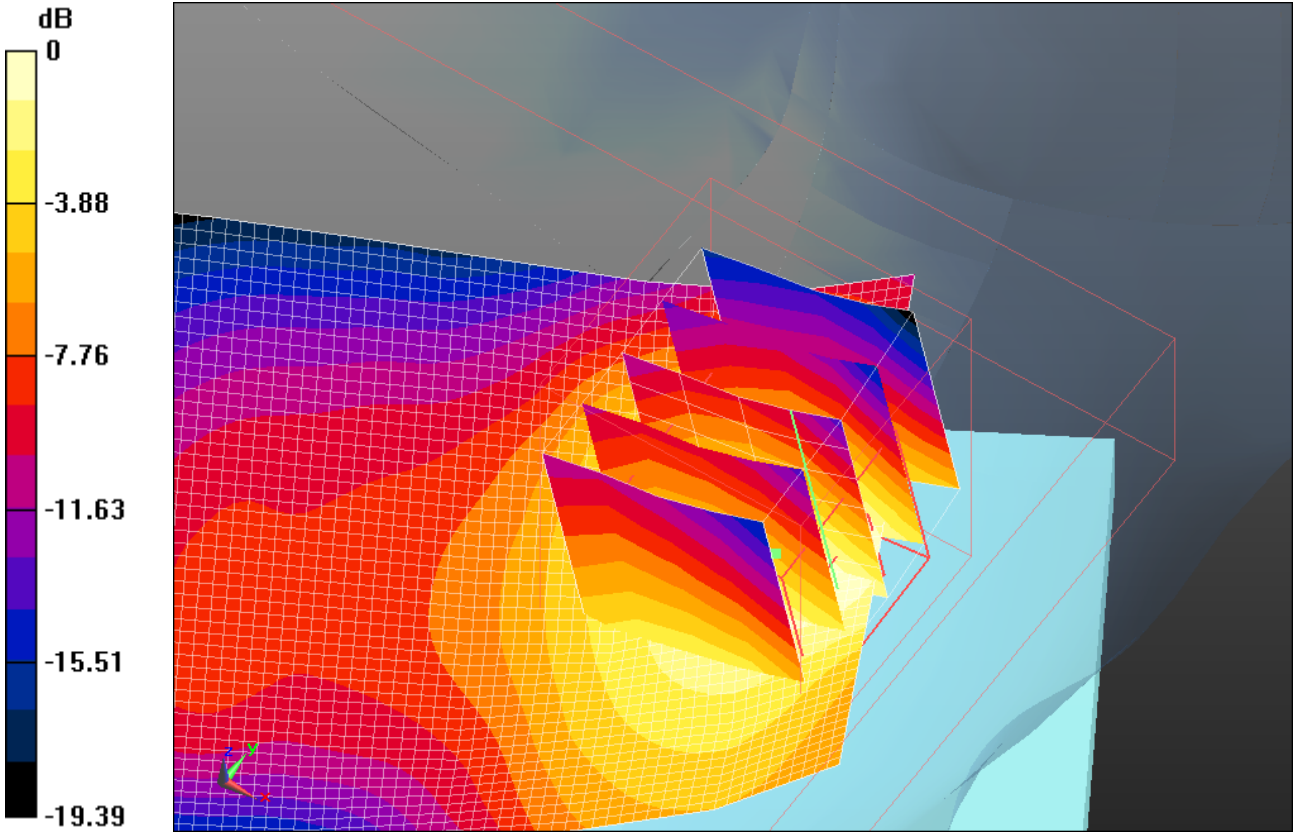
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.920mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 52(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 5:32:53 PM, Date/Time: 2/25/2011 5:38:24 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_low_chan_amb_temp_23.0_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1850.2

MHz; Communication System PAR: 6.232 dB

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.282$ mho/m; $\epsilon_r = 38.52$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.063 mW/g

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

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

Reference Value = 10.106 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.370 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.633 mW/g

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

Maximum value of SAR (measured) = 1.136 mW/g

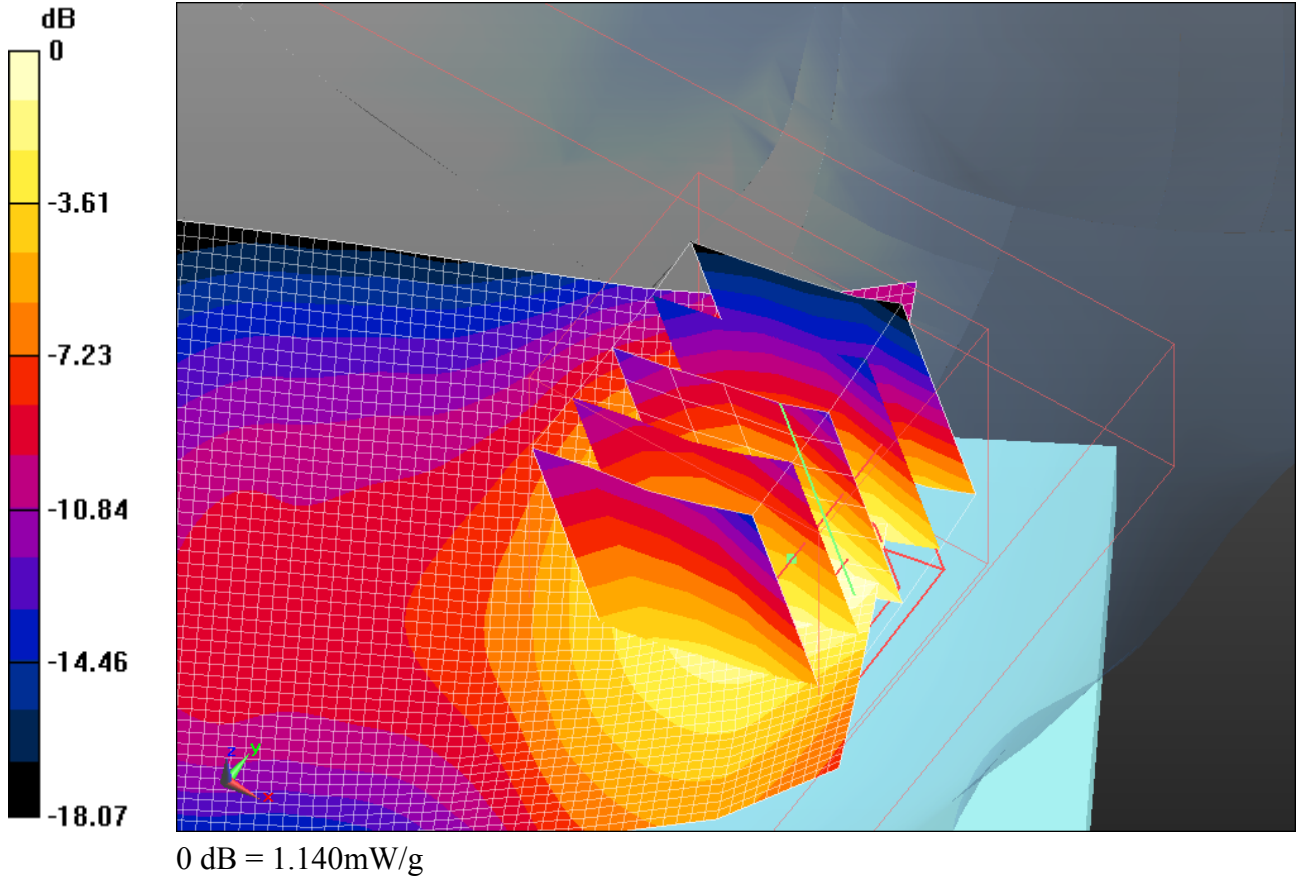
Author Data
Andrew Becker


Dates of Test
Feb 7 – May 25, 2011

Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 54(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 5:20:05 PM, Date/Time: 2/25/2011 5:25:37 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_23.1_liq_temp_21.8

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 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; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.248 mW/g

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

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

Reference Value = 10.118 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.458 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.690 mW/g

Maximum value of SAR (measured) = 1.206 mW/g

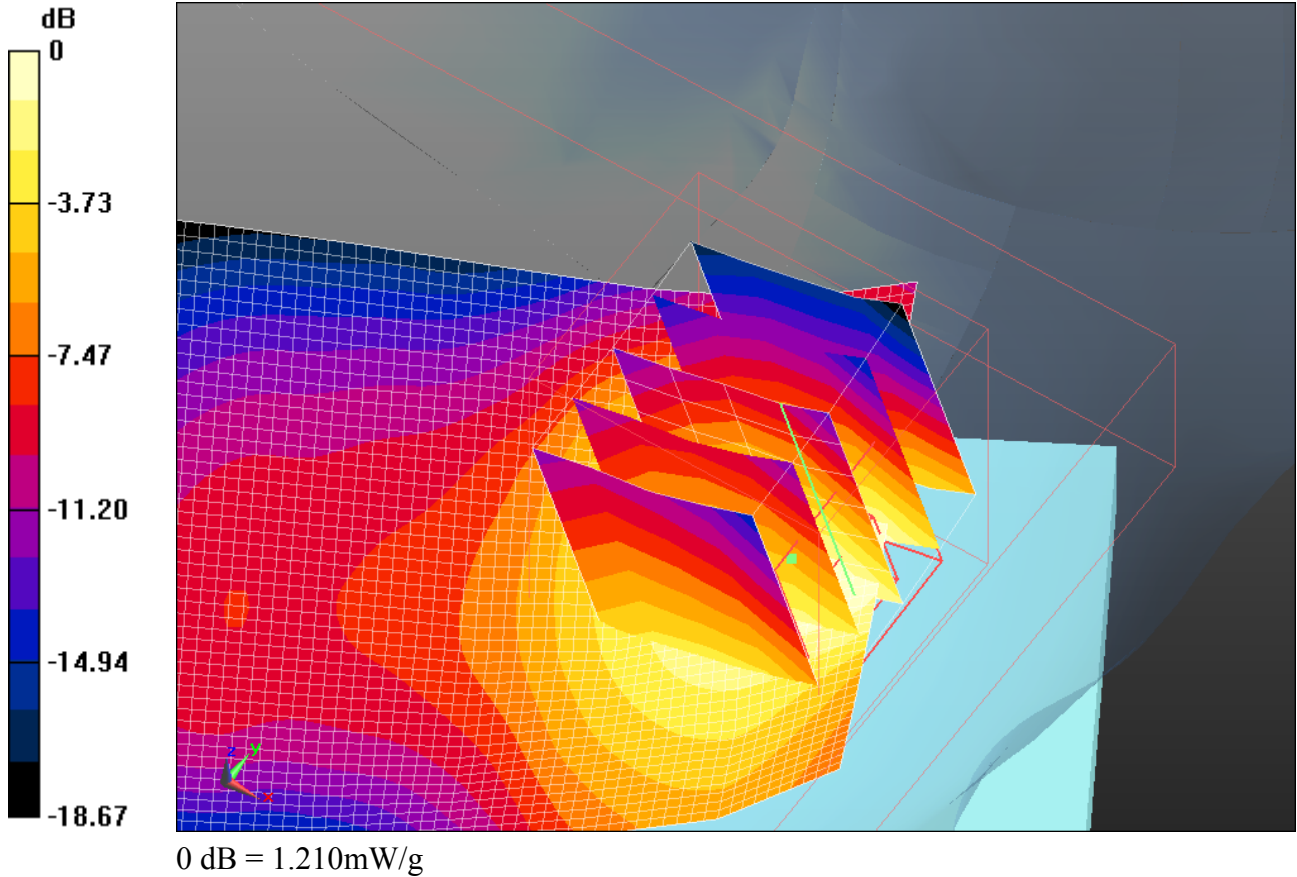
Author Data
Andrew Becker


Dates of Test
Feb 7 – May 25, 2011

Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 56(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 5:49:13 PM, Date/Time: 2/25/2011 5:54:45 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_high_chan_amb_temp_23.2_liq_temp_21.9

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1909.8 MHz; Communication System PAR: 6.232 dB
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.437$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.149 mW/g

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

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

Reference Value = 10.496 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.408 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.678 mW/g

Maximum value of SAR (measured) = 1.185 mW/g

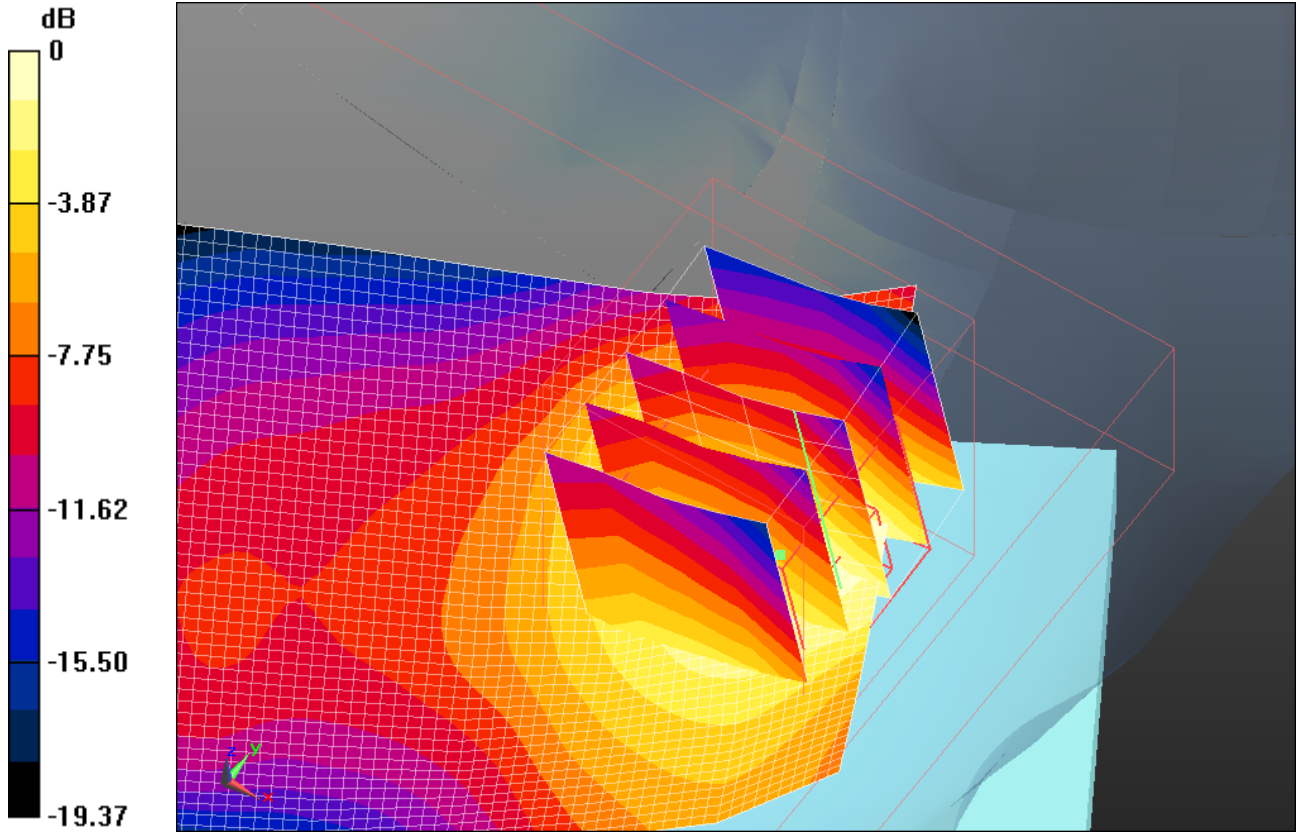
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 1.180mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 58(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 6:03:59 PM, Date/Time: 2/25/2011 6:09:28 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.2_liq_temp_2 1.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 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; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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) = 0.400 mW/g

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

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

Reference Value = 17.427 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.378 mW/g

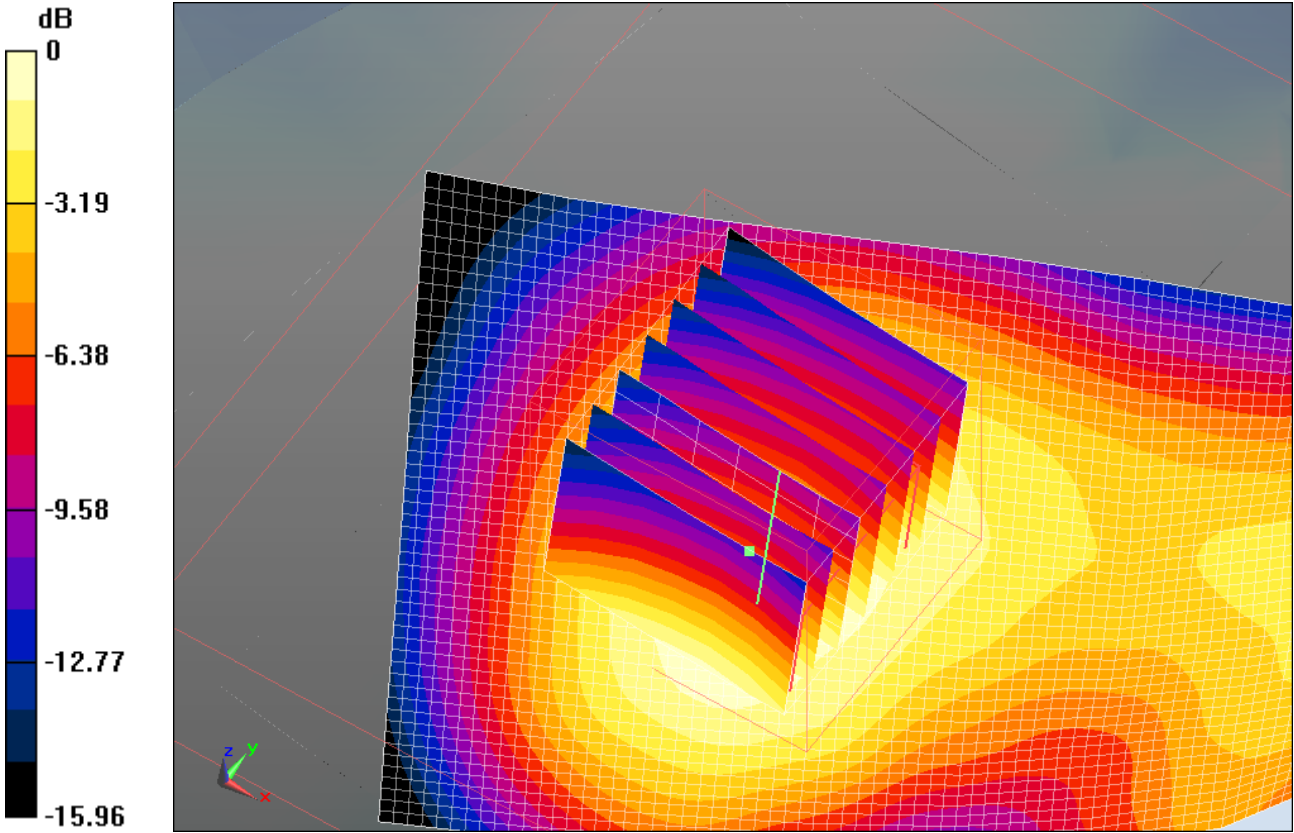
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.380mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 60(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 9:32:46 PM, Date/Time: 2/25/2011 9:38:31 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_low_chan_amb_temp_23.2_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 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; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (61x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.930 mW/g

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

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

Reference Value = 8.059 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.454 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 0.966 mW/g

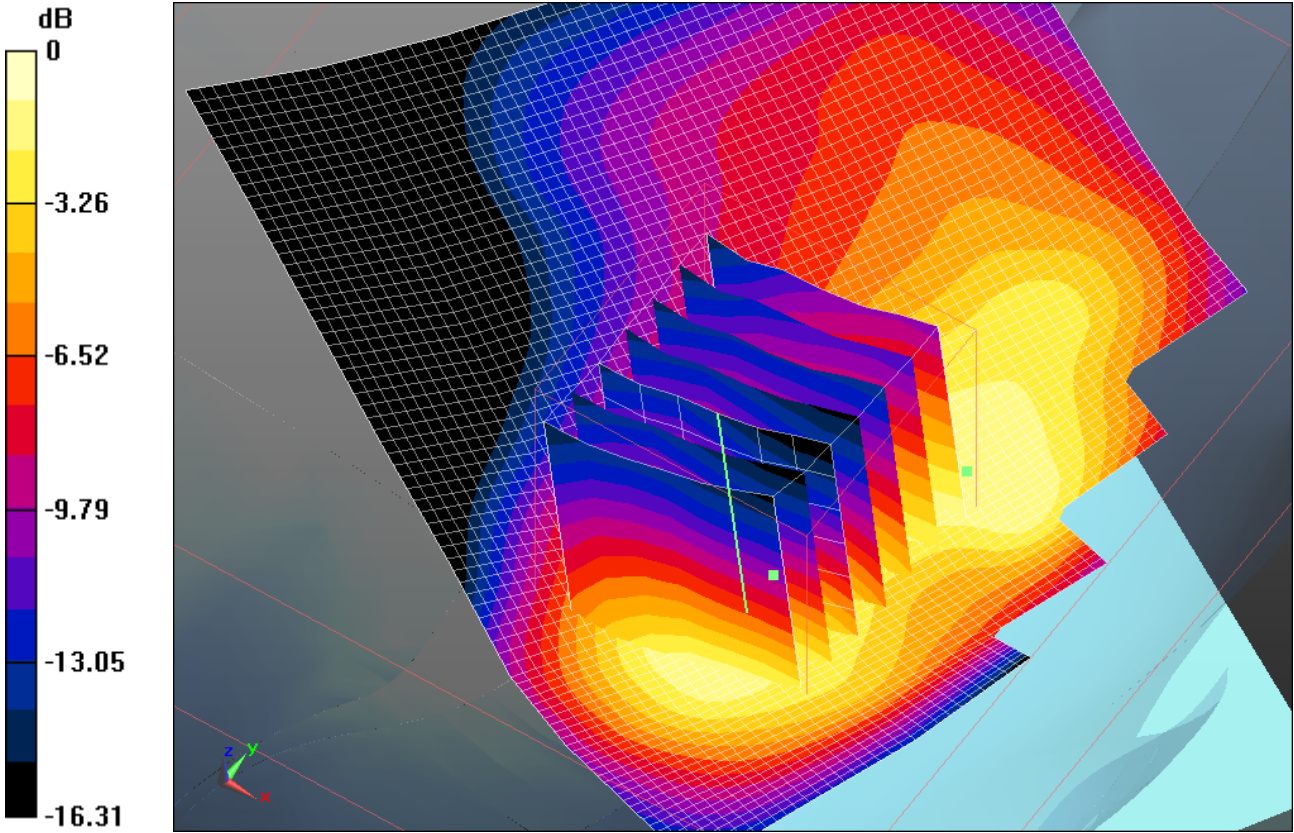
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.970mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 62(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 8:20:26 PM, Date/Time: 2/25/2011 8:26:29 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_23.0_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 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; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (61x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.025 mW/g

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

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

Reference Value = 8.547 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.543 W/kg

SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.491 mW/g

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

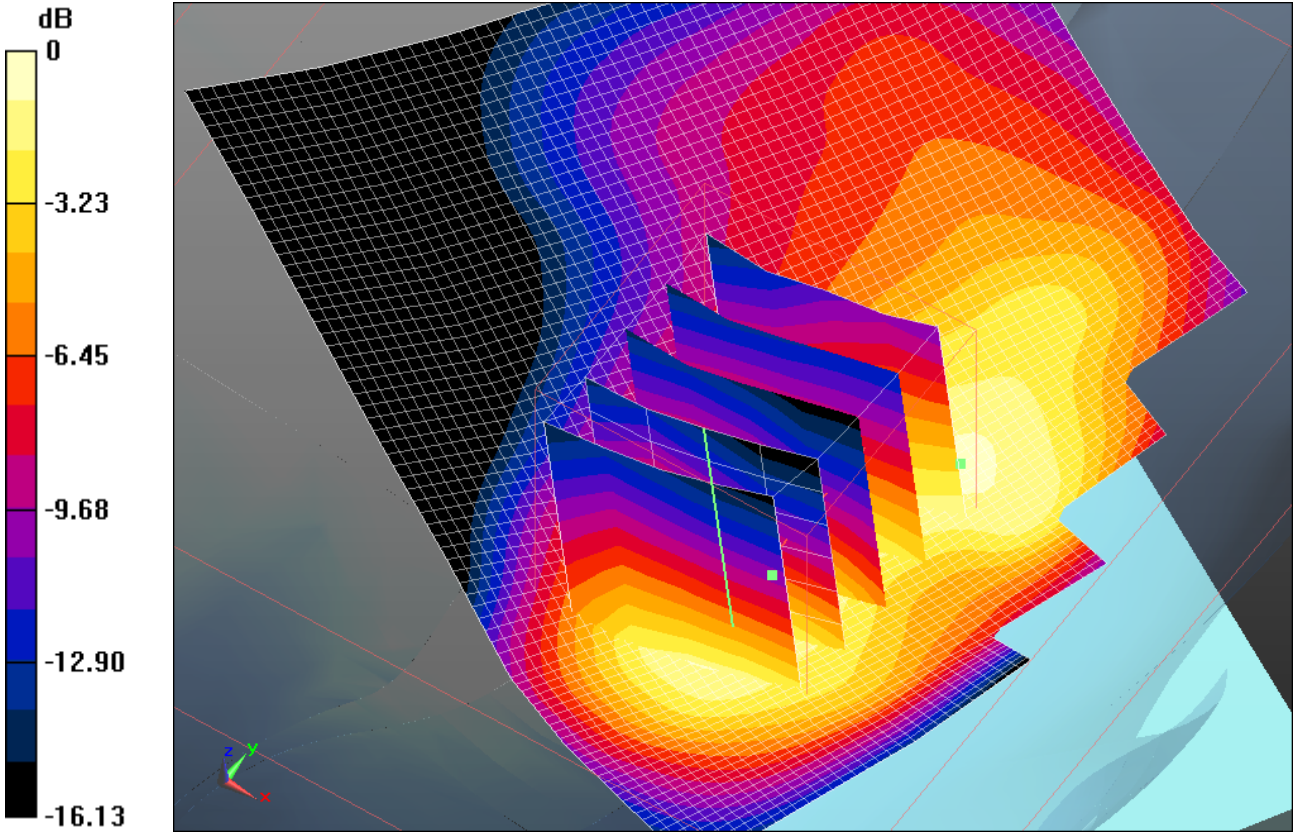
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 1.000mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 9:51:42 PM, Date/Time: 2/25/2011 9:57:27 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_high_chan_amb_temp_23.2_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1909.8 MHz; Communication System PAR: 6.232 dB
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.437$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (61x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.873 mW/g

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

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

Reference Value = 8.184 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.394 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.446 mW/g

Maximum value of SAR (measured) = 0.925 mW/g

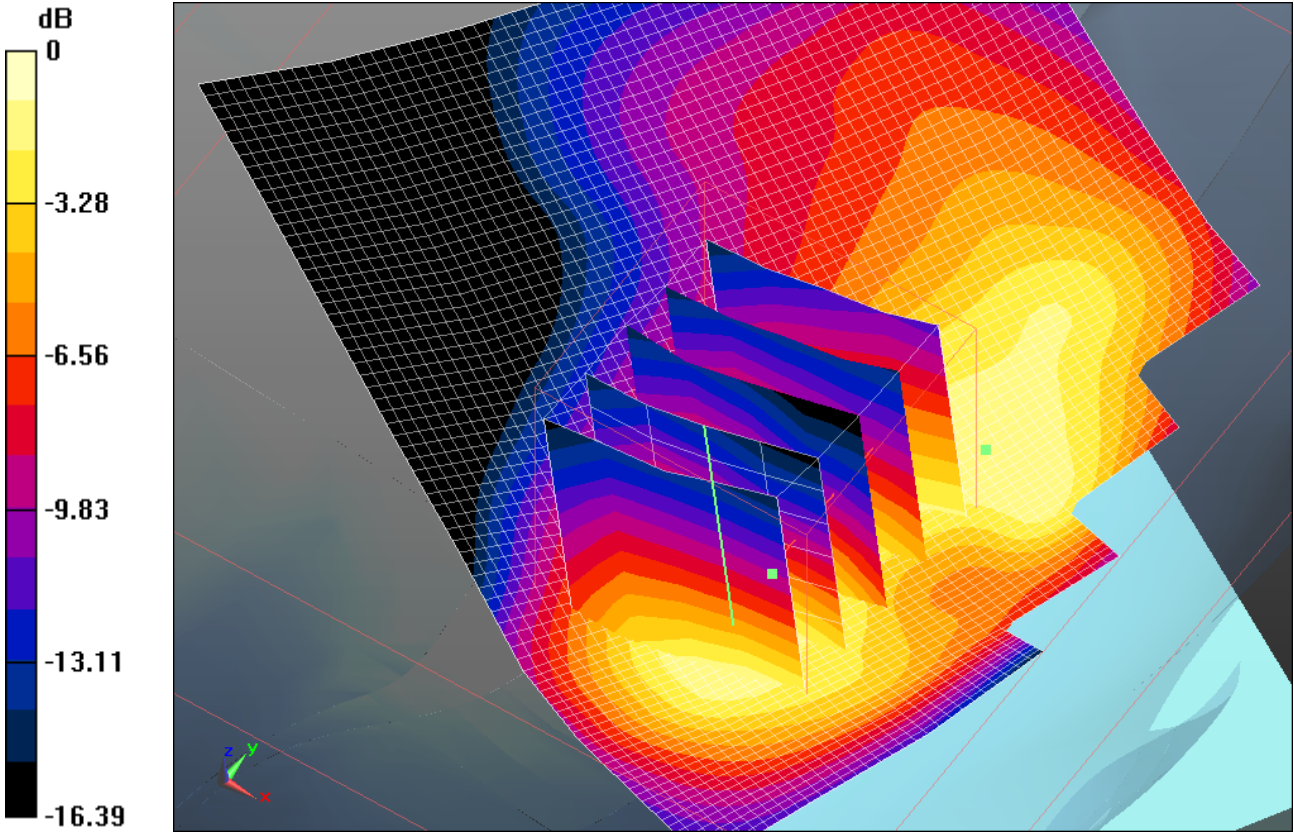
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.930mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 2/25/2011 10:07:27 PM, Date/Time: 2/25/2011 10:29:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_23.1_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: EDGE 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; $\sigma = 1.312$ mho/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.99, 4.99, 4.99); Calibrated: 3/9/2010
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- 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 (61x81x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.674 mW/g

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

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

Reference Value = 15.641 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.559 mW/g

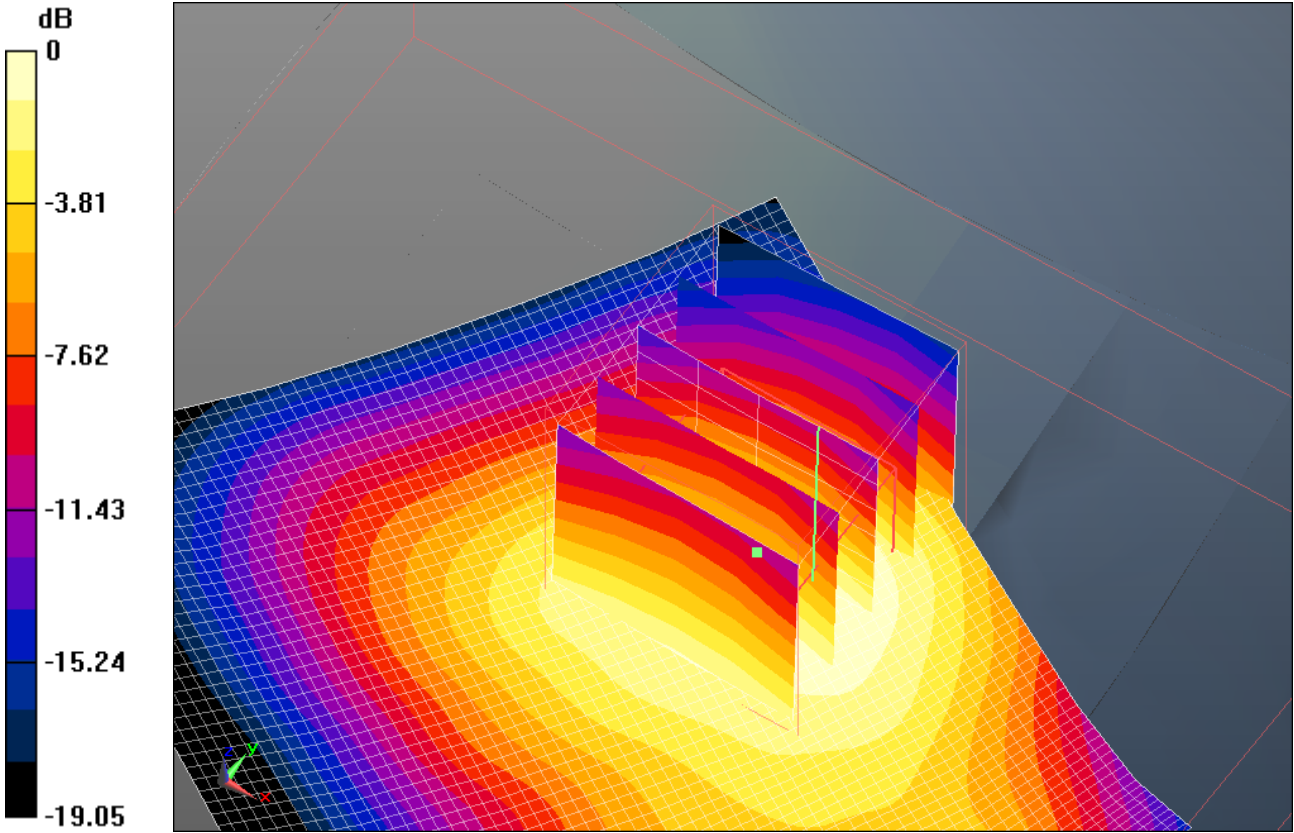
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.560mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 68(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 6:58:17 PM, Date/Time: 4/19/2011 7:03:36 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_23.5_liq_temp_22.3

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: EDGE 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; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 0.892 mW/g

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

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

Reference Value = 9.439 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.058 W/kg

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.487 mW/g

Maximum value of SAR (measured) = 0.836 mW/g

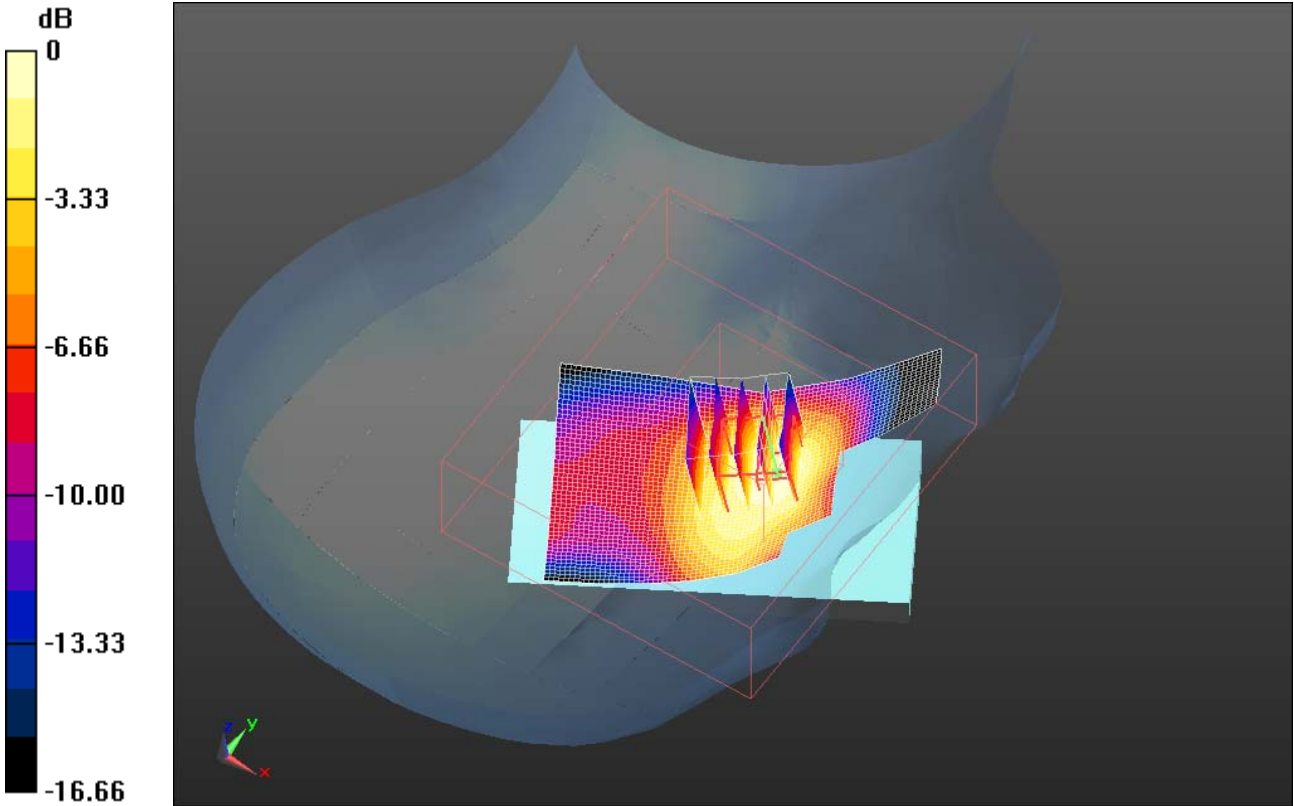
Author Data
Andrew Becker

Dates of Test
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Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
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2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.840mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 70(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/19/2011 7:14:34 PM, Date/Time: 4/19/2011 7:19:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E46EDD

Communication System: EDGE 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; $\sigma = 1.344$ mho/m; $\epsilon_r = 38.254$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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:

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

Maximum value of SAR (interpolated) = 0.774 mW/g

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

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

Reference Value = 8.089 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.180 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.740 mW/g

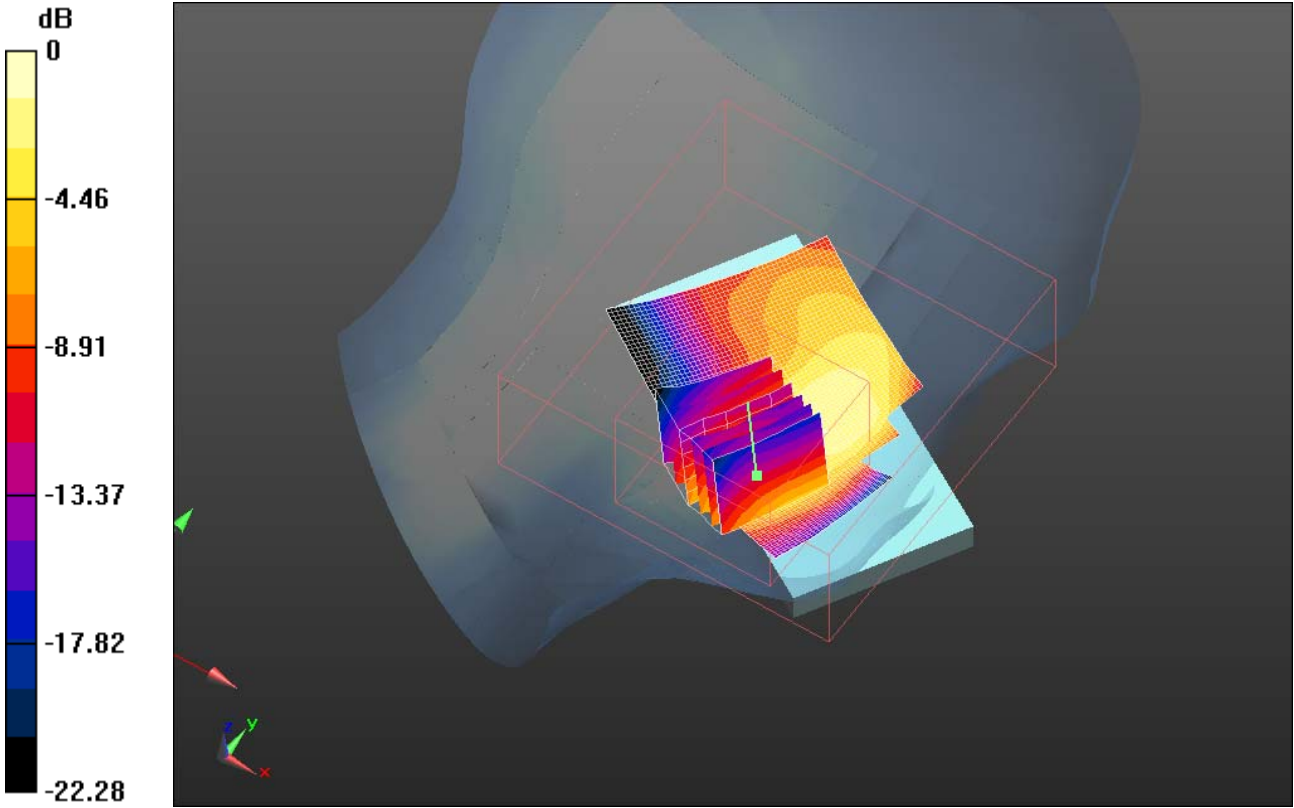
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.740mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/3/2011 5:55:46 PM, Date/Time: 3/3/2011 6:01:20 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_mid_chan_amb_temp_23.4_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: 802.11 b (2450); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.838$ mho/m; $\epsilon_r = 37.577$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.239 mW/g

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

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

Reference Value = 7.849 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.111 mW/g

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

Maximum value of SAR (measured) = 0.231 mW/g

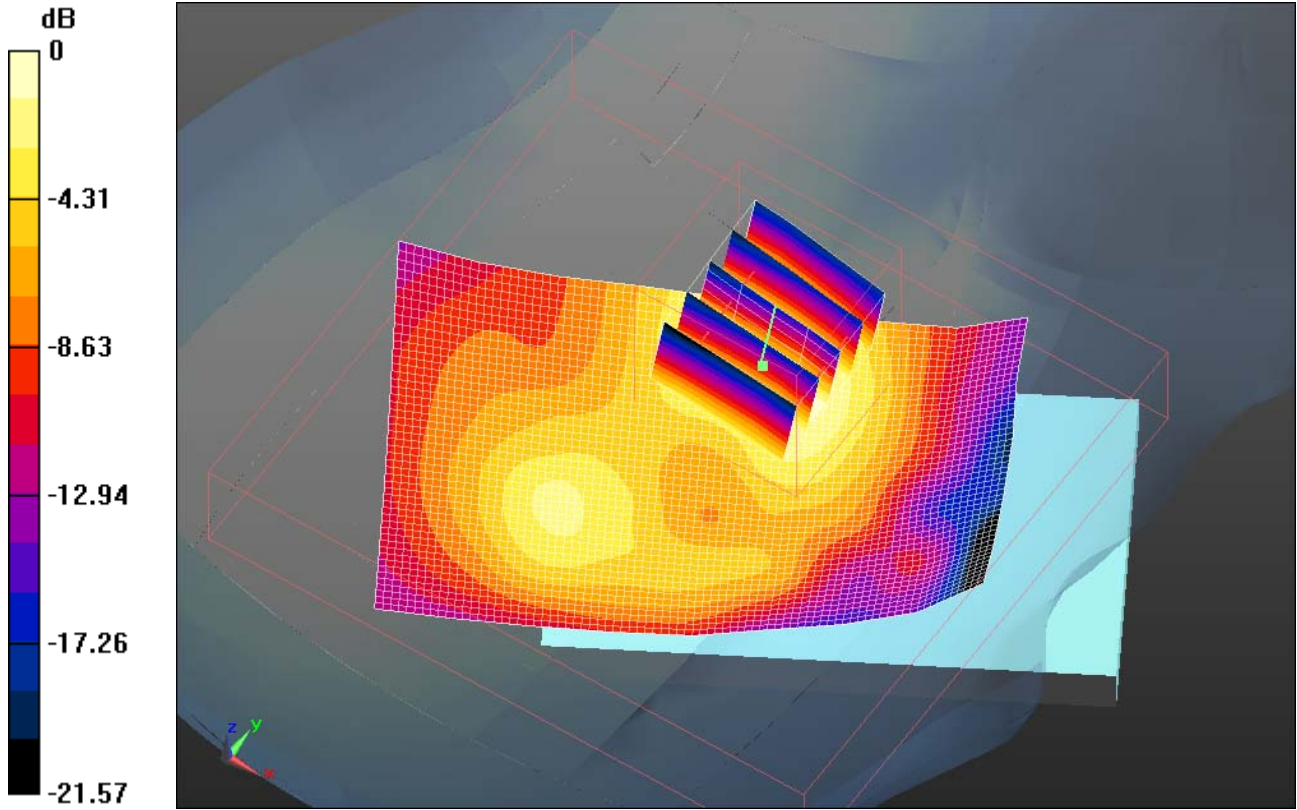
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.230mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/3/2011 6:12:53 PM, Date/Time: 3/3/2011 6:22:49 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_mid_chan_amb_temp_23.3_liq_temp_21.8

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: 802.11 b (2450); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.838$ mho/m; $\epsilon_r = 37.577$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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) = 0.194 mW/g


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

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

Reference Value = 9.244 V/m; Power Drift = -0.07 dB

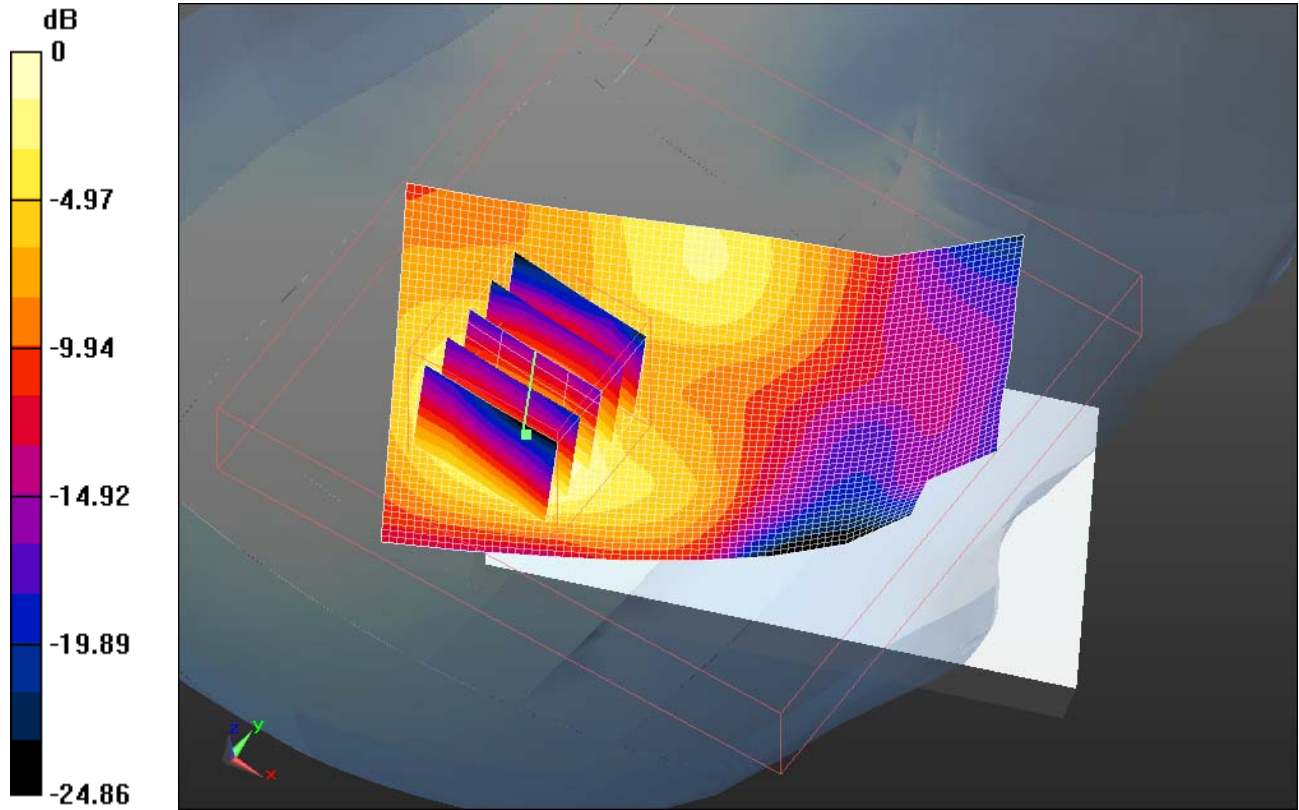
Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.089 mW/g


	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 75(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.202 mW/g



0 dB = 0.200mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/3/2011 6:34:16 PM, Date/Time: 3/3/2011 6:40:04 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_mid_chan_amb_temp_23.3_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: 802.11 b (2450); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.838$ mho/m; $\epsilon_r = 37.577$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.535 mW/g

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

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

Reference Value = 6.457 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.199 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.234 mW/g

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

Maximum value of SAR (measured) = 0.611 mW/g

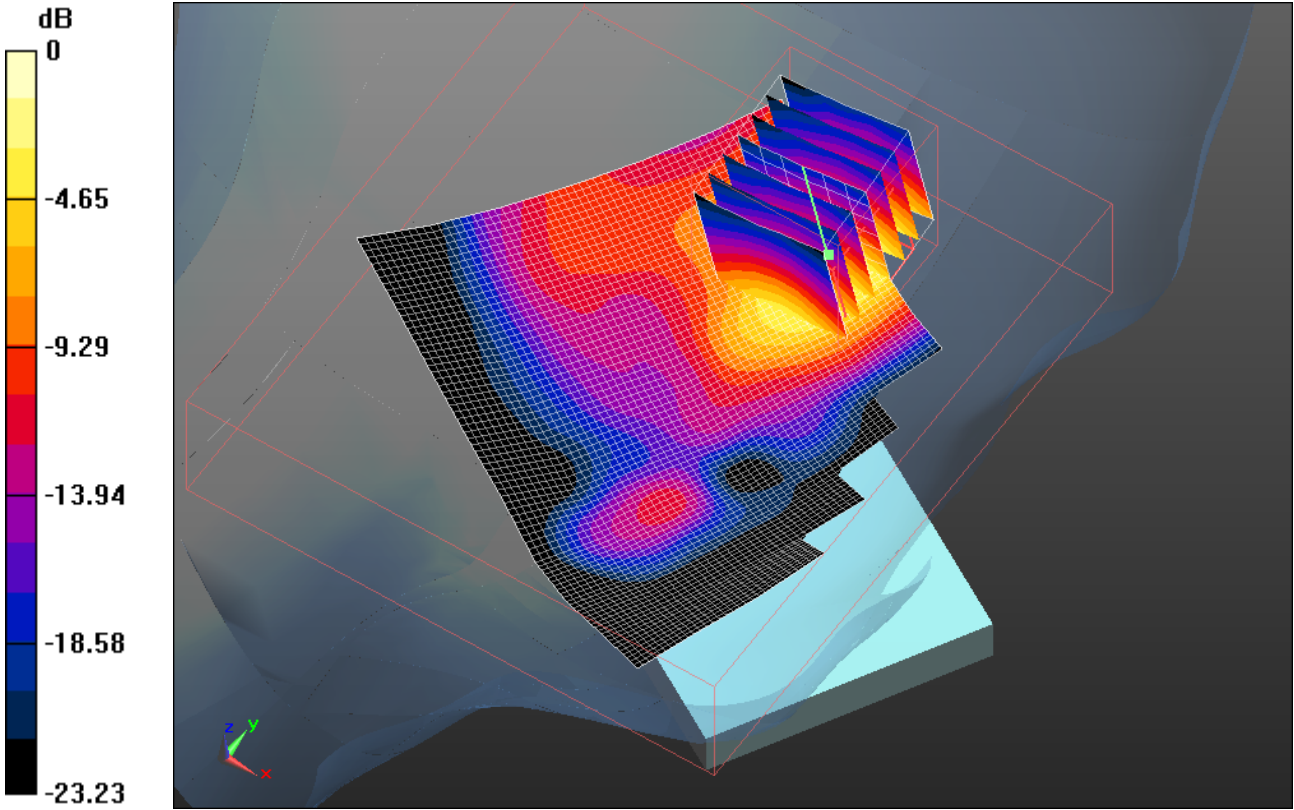
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.610mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 78(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/3/2011 6:55:09 PM, Date/Time: 3/3/2011 7:16:04 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_mid_chan_amb_temp_23.2_liq_temp_21.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

Communication System: 802.11 b (2450); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.838$ mho/m; $\epsilon_r = 37.577$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.248 mW/g

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

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

Reference Value = 8.873 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.113 mW/g

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

Maximum value of SAR (measured) = 0.237 mW/g

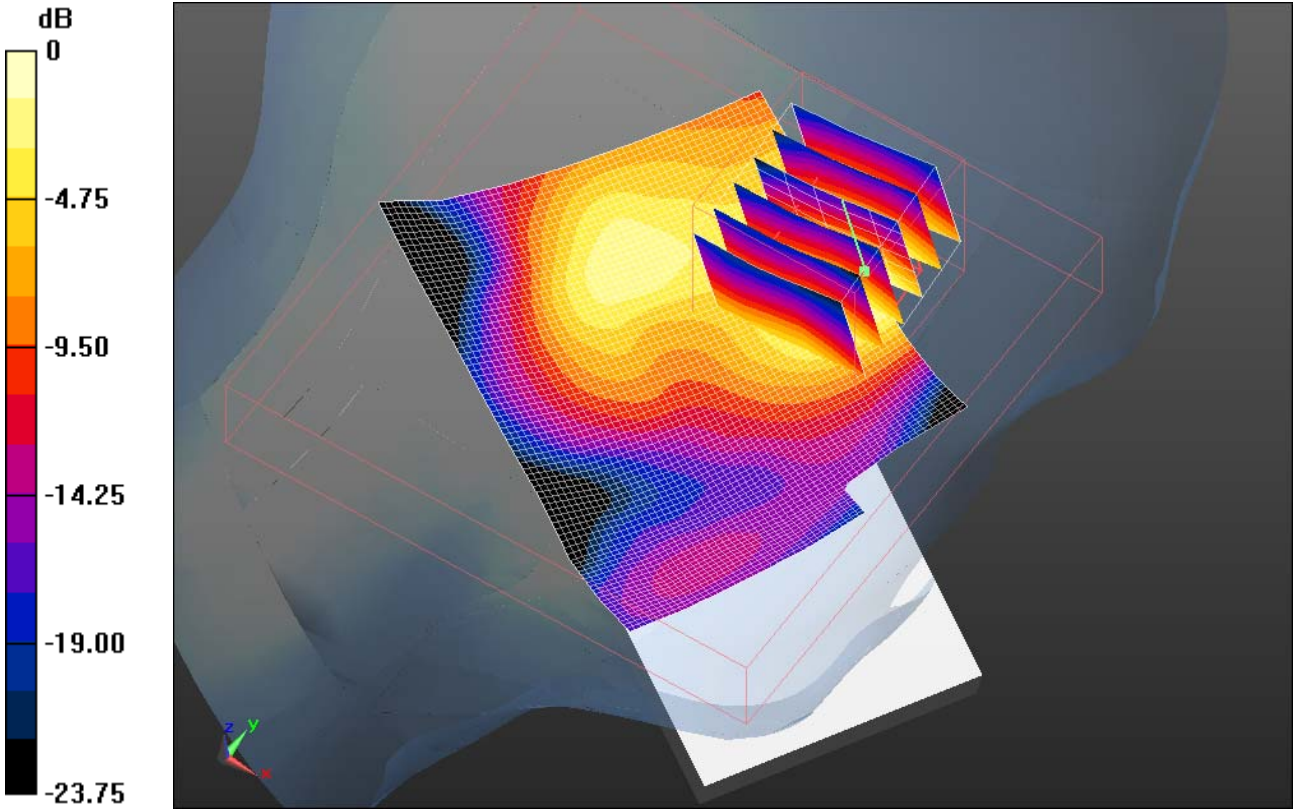
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.240mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 80(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 10:31:08 PM, Date/Time: 5/24/2011 10:43:45 PM

Test Laboratory: RIM Testing Services

**RightHandSide_802.11a_low_band_chan_36_amb_temp_23.4_liq_temp
_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5180 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.807$ mho/m; $\epsilon_r = 35.19$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.01, 5.01, 5.01); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.027 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5mm) (8x8x5)/Cube
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.178 V/m; Power Drift = 0.60 dB
Peak SAR (extrapolated) = 0.083 W/kg
SAR(1 g) = 0.00886 mW/g; SAR(10 g) = 0.00356 mW/g
Maximum value of SAR (measured) = 0.022 mW/g

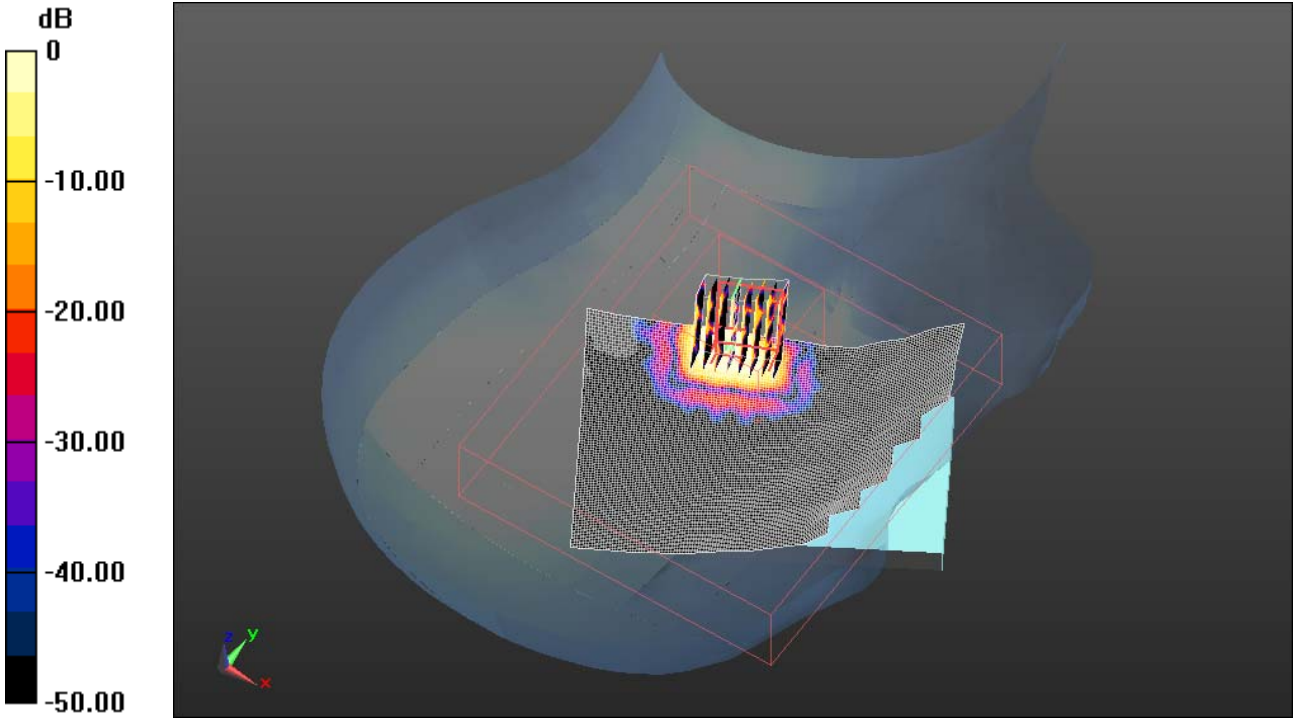
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.020mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 82(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 11:05:53 PM, Date/Time: 5/24/2011 11:18:30 PM

Test Laboratory: RIM Testing Services

**RightHandSide_802.11a_low_band_chan_52_amb_temp_23.4_liq_temp
_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5260 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.899$ mho/m; $\epsilon_r = 35.01$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.01, 5.01, 5.01); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.064 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5mm) (8x8x5)/Cube
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.691 V/m; Power Drift = 0.64 dB
Peak SAR (extrapolated) = 0.076 W/kg
SAR(1 g) = 0.00887 mW/g; SAR(10 g) = 0.0035 mW/g
Maximum value of SAR (measured) = 0.021 mW/g

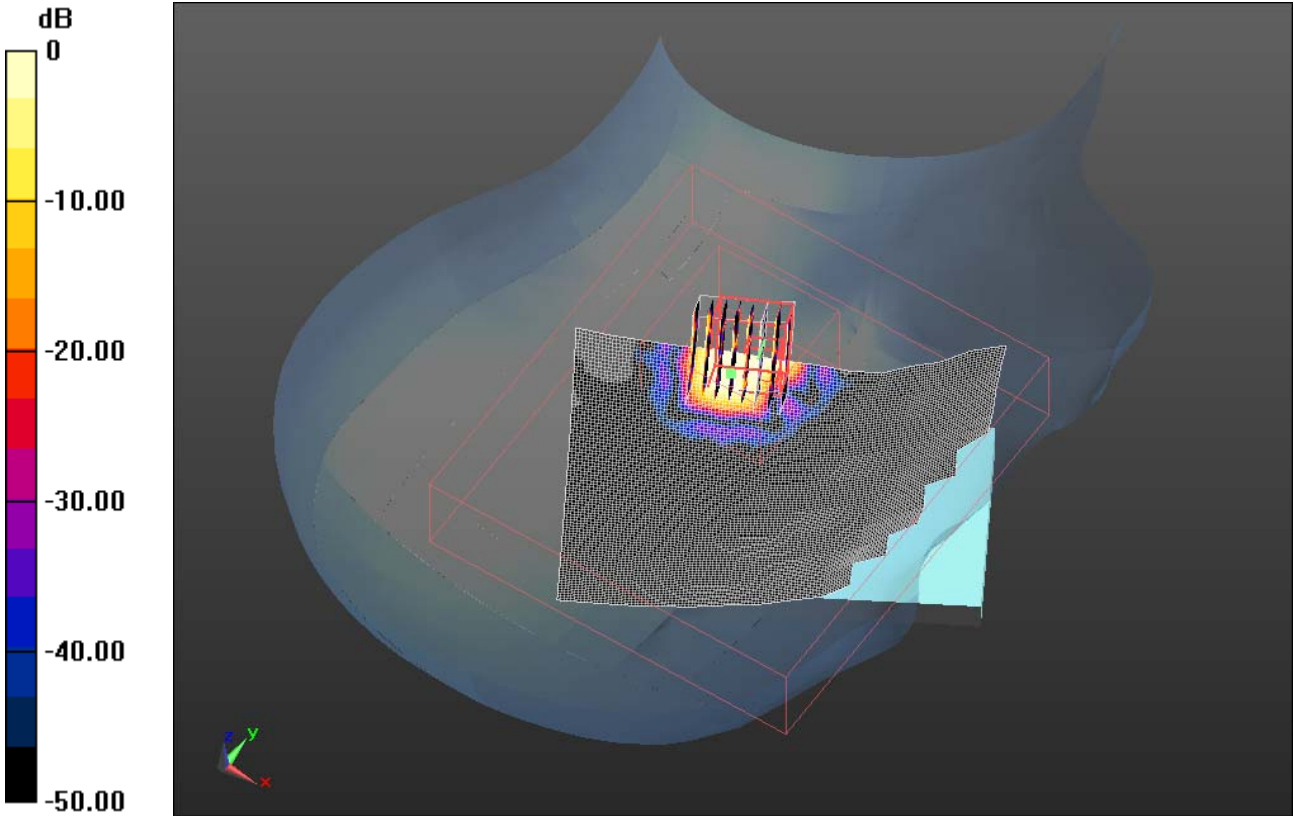
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.020mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 84(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/25/2011 10:31:28 AM, Date/Time: 5/25/2011 10:44:44 AM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_chan_104_amb_temp_23.8_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5520 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5520$ MHz; $\sigma = 4.988$ mho/m; $\epsilon_r = 34.336$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.63, 4.63, 4.63); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.073 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5mm) (9x10x5)/Cube
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 2.143 V/m; Power Drift = 0.42 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.00493 mW/g
Maximum value of SAR (measured) = 0.077 mW/g

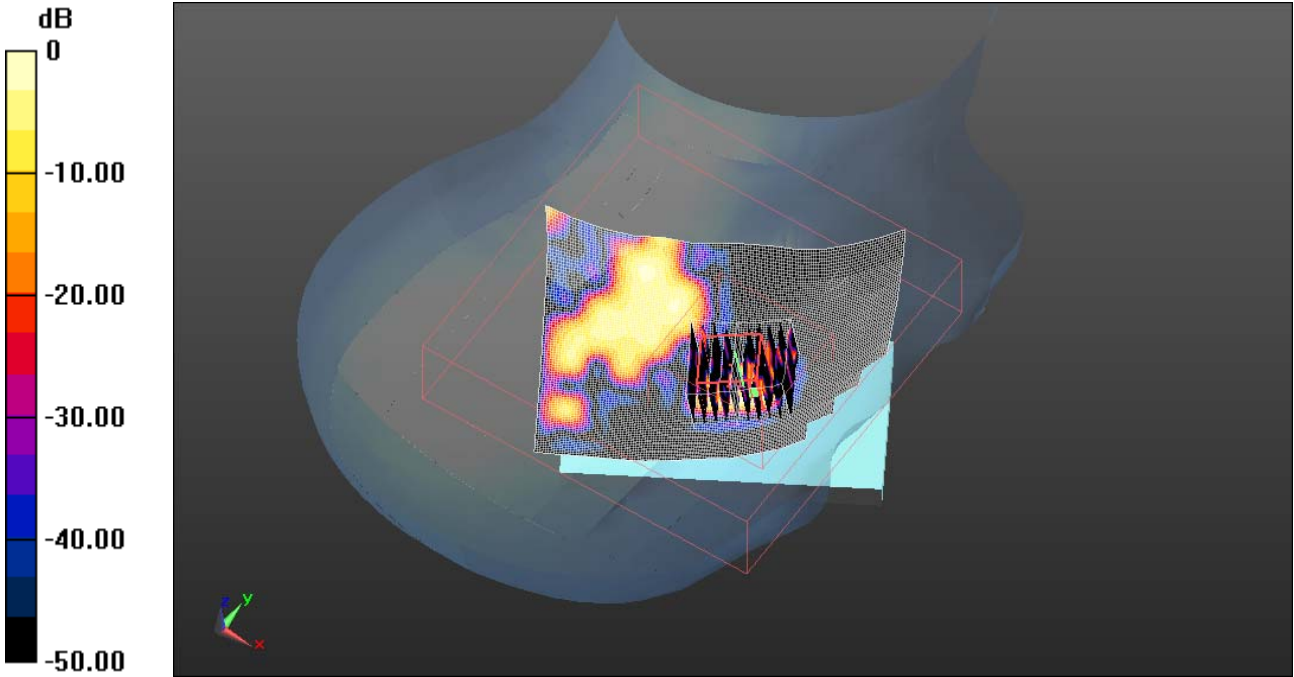
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.080mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 86(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/25/2011 11:52:23 AM, Date/Time: 5/25/2011 12:05:39 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11a_upper_band_chan_149_amb_temp_23.0_liq_temper_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6


Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5745 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.3$ mho/m; $\epsilon_r = 34.477$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

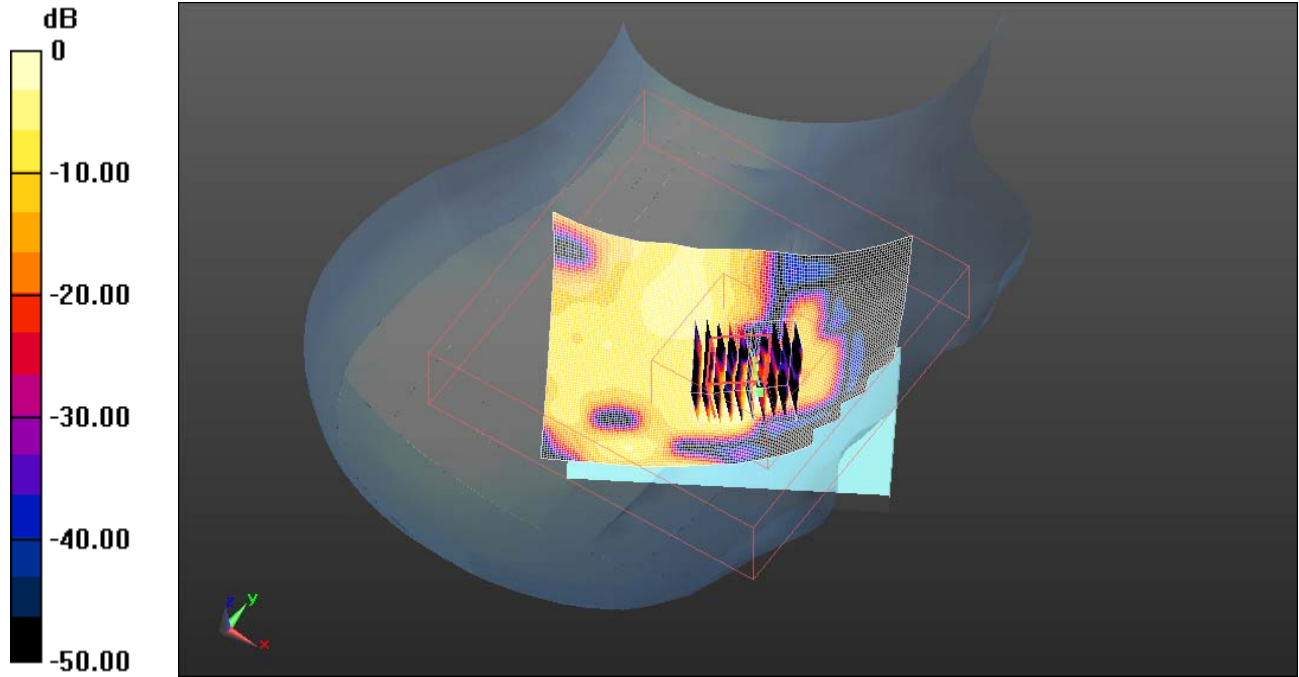
DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.42, 4.42, 4.42); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.474 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5mm) (9x10x5)/Cube
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.780 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.765 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.043 mW/g
Maximum value of SAR (measured) = 0.400 mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 87(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW



0 dB = 0.400mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 88(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/25/2011 1:31:32 PM, Date/Time: 5/25/2011 1:45:14 PM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_802.11a_upper_band_chan_149_amb_temp_23.4_li
q_temp_22.0C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6


Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5745 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.3$ mho/m; $\epsilon_r = 34.477$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

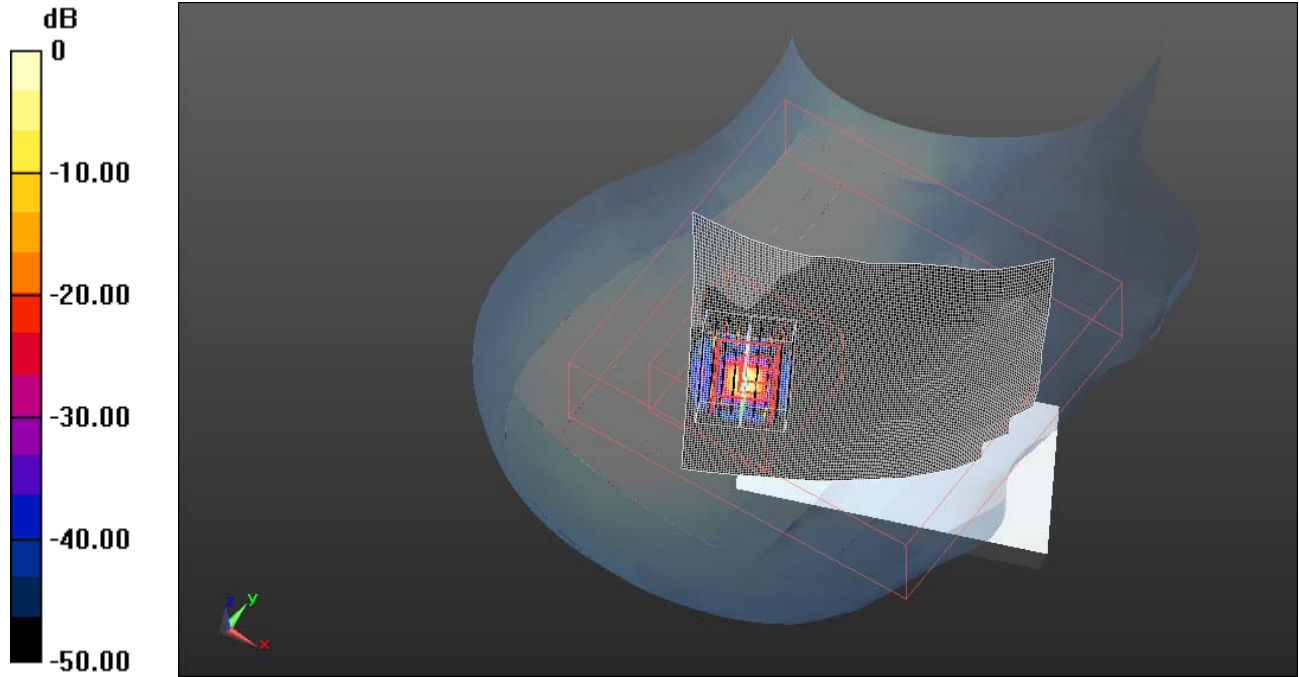
DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.42, 4.42, 4.42); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.00875 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5mm) (10x9x5)/Cube
0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.433 V/m; Power Drift = -0.45 dB
Peak SAR (extrapolated) = 0.00335 W/kg
SAR(1 g) = 6.23e-005 mW/g; SAR(10 g) = 9.98e-006 mW/g
Maximum value of SAR (measured) = 0.010 mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 89(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW



0 dB = 0.010mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 90(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 5:29:24 PM, Date/Time: 5/24/2011 5:41:05 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_36_amb_temp_23.4_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5180 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.807$ mho/m; $\epsilon_r = 35.19$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.01, 5.01, 5.01); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.220 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5) (9x9x5)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.946 V/m; Power Drift = 0.43 dB
Peak SAR (extrapolated) = 0.154 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.00975 mW/g
Maximum value of SAR (measured) = 0.093 mW/g

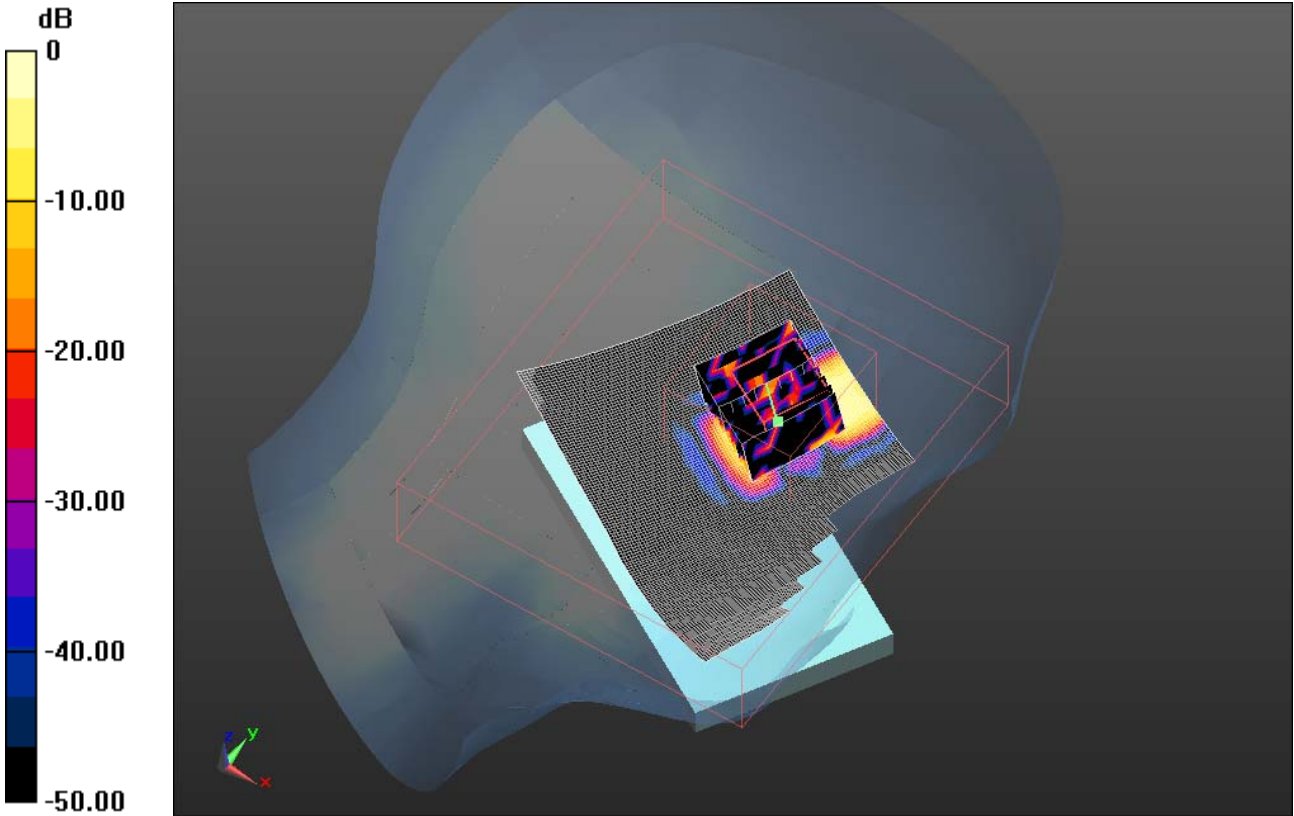
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.090mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 92(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 6:10:46 PM, Date/Time: 5/24/2011 6:22:26 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_low_band_chan_52_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6


Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5260 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.899$ mho/m; $\epsilon_r = 35.01$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

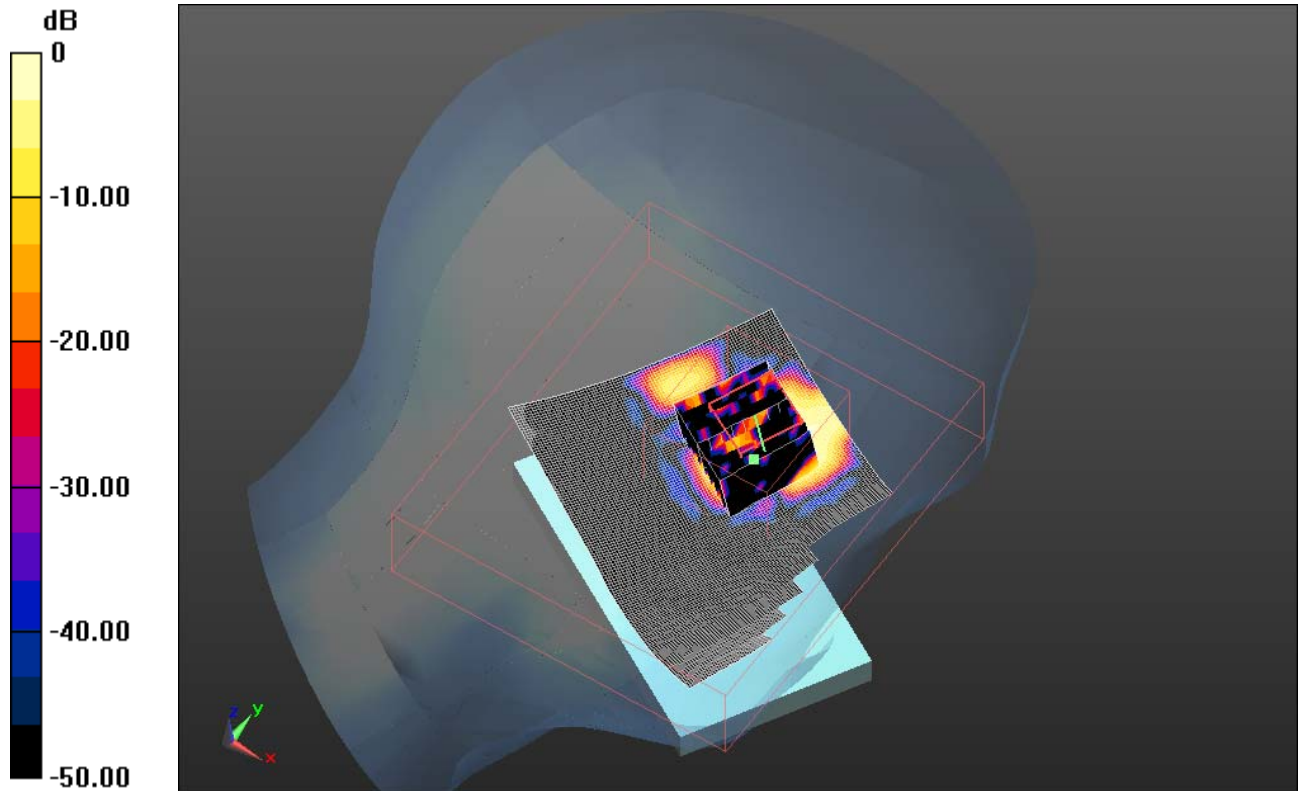
DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(5.01, 5.01, 5.01); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5) (9x9x5)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.922 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.094 mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 93(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW



0 dB = 0.090mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 94(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 7:04:36 PM, Date/Time: 5/24/2011 7:16:19 PM

Test Laboratory: RIM Testing Services

**LeftHandSide_802.11a_upper_band_chan_104_amb_temp_23.2_liq_tem
mp_22.3C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5520 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5520$ MHz; $\sigma = 5.052$ mho/m; $\epsilon_r = 35.092$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.63, 4.63, 4.63); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.209 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5) (9x9x5)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.423 V/m; Power Drift = 1.56 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.124 mW/g

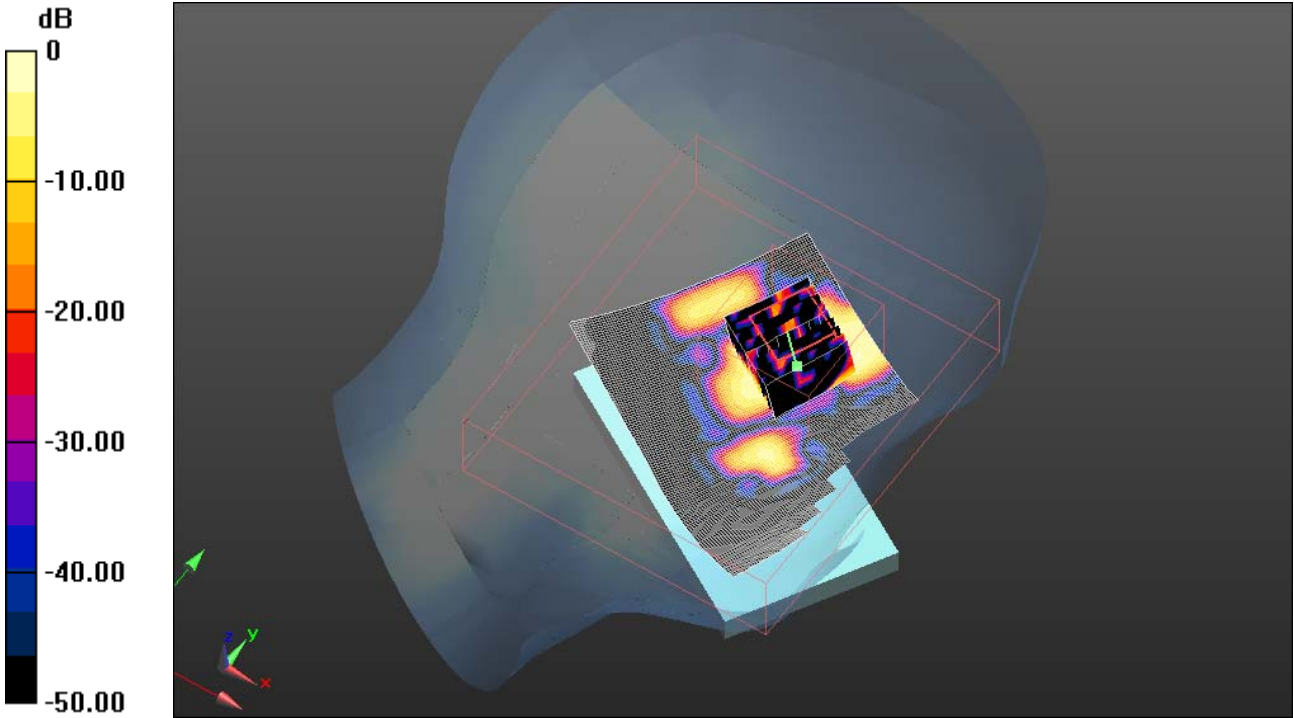
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.120mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RDU71CW/RDV71UW SAR Report			Page 96(125)
	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 7:41:23 PM, Date/Time: 5/24/2011 7:53:06 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11a_upper_band_chan_149_amb_temp_23.2_liq_tem_p_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5745 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5745$ MHz; $\sigma = 5.3$ mho/m; $\epsilon_r = 34.477$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.42, 4.42, 4.42); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.199 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5) (9x9x5)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.506 V/m; Power Drift = 0.85 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.013 mW/g
Maximum value of SAR (measured) = 0.088 mW/g

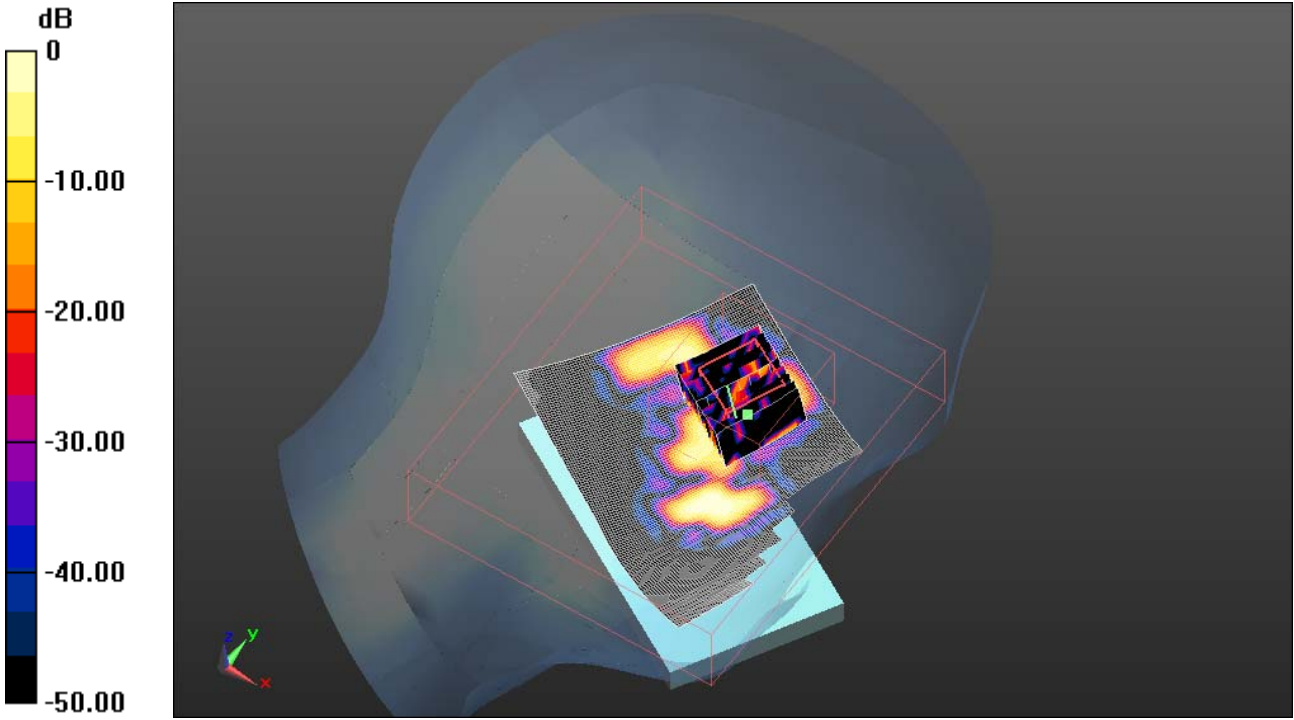
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.090mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 5/24/2011 8:50:08 PM, Date/Time: 5/24/2011 9:01:50 PM

Test Laboratory: RIM Testing Services

**LeftHandSide_Tilt_802.11a_upper_band_chan_104_amb_temp_23.2_liq
_temp_22.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32E895E6

Communication System: 802.11a ; Communication System Band: Low and Mid Bands;
Frequency: 5520 MHz; Communication System PAR: 0 dB
Medium parameters used: $f = 5520$ MHz; $\sigma = 5.052$ mho/m; $\epsilon_r = 35.092$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.63, 4.63, 4.63); Calibrated: 1/20/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - 2/Area Scan (91x131x1): Measurement grid:
dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.134 mW/g

Configuration/Touch position - 2/Zoom Scan (4x4x2.5) (9x9x5)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.848 V/m; Power Drift = 3.54 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.101 mW/g

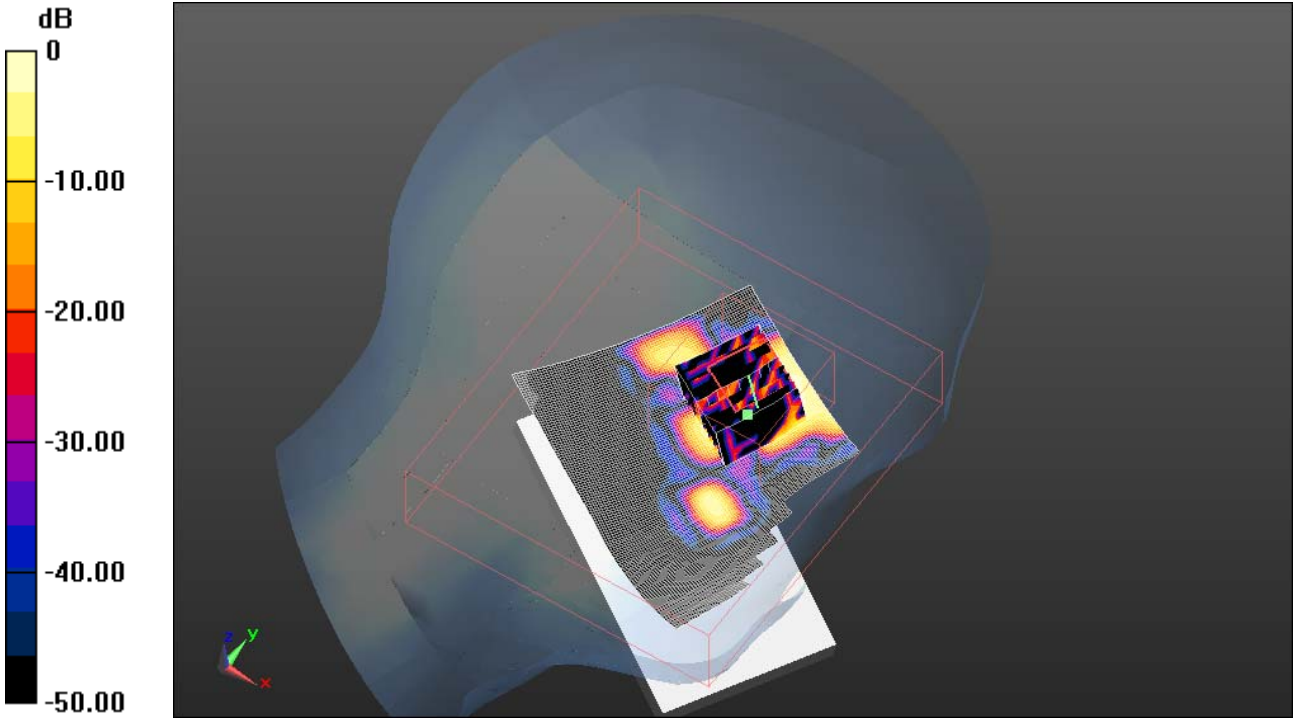
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.100mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/4/2011 1:40:22 AM, Date/Time: 3/4/2011 1:57:58 AM

Test Laboratory: RIM Testing Services

RightHandSide_Bluetooth_mid_chan_amb_temp_23.4_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

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

PAR: 0 dB

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.843$ mho/m; $\epsilon_r = 37.556$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 8.52e-005 mW/g

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

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

Reference Value = 0.704 V/m; Power Drift = 1.36 dB

Peak SAR (extrapolated) = 0.000719 W/kg

SAR(1 g) = 2.97e-005 mW/g; SAR(10 g) = 2.9e-006 mW/g

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

Maximum value of SAR (measured) = 0.000948 mW/g

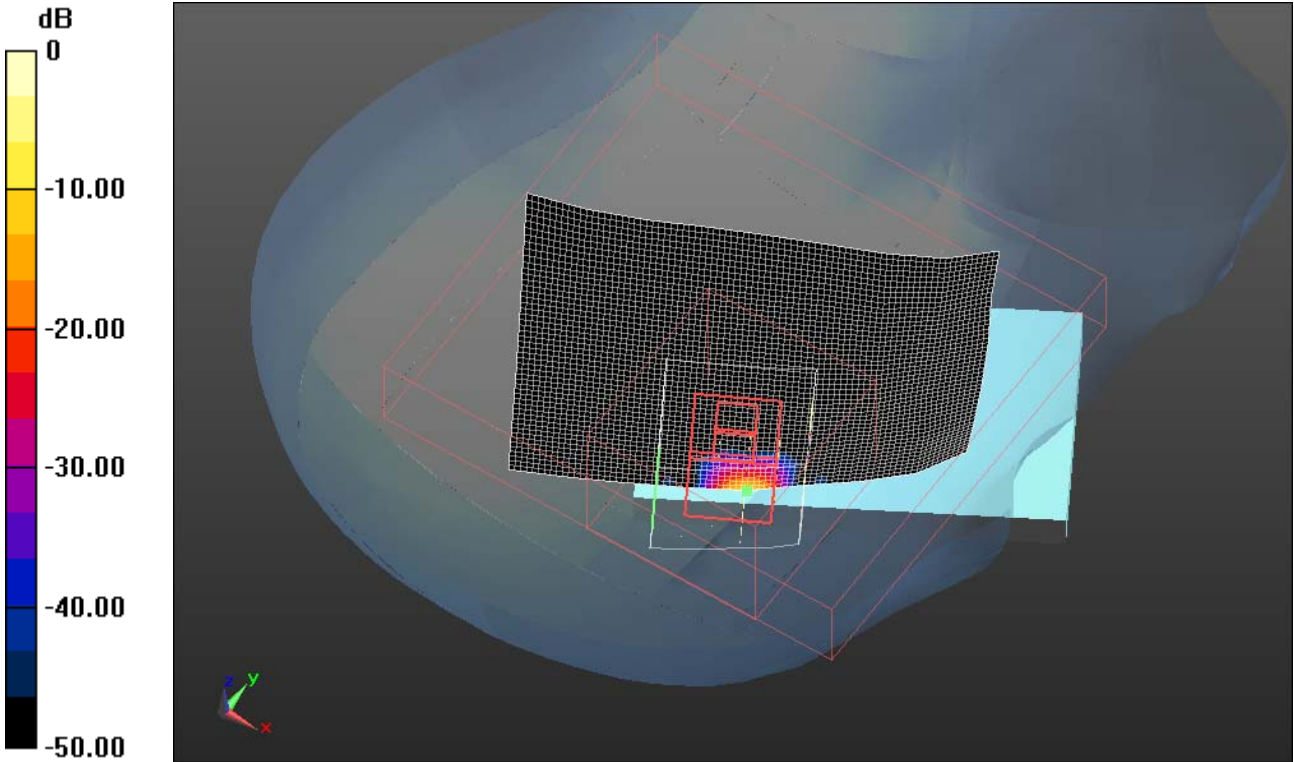
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.00095mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 3/4/2011 10:34:24 AM, Date/Time: 3/4/2011 10:39:57 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_Bluetooth_mid_chan_amb_temp_23.8_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

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

PAR: 0 dB

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.843$ mho/m; $\epsilon_r = 37.556$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.6, 4.6, 4.6); Calibrated: 1/13/2011
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.00111 mW/g


Configuration/Touch position - Mid/Zoom Scan (5x5x7) (7x6x7)/Cube 0:

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

Reference Value = 1.228 V/m; Power Drift = 0.32 dB

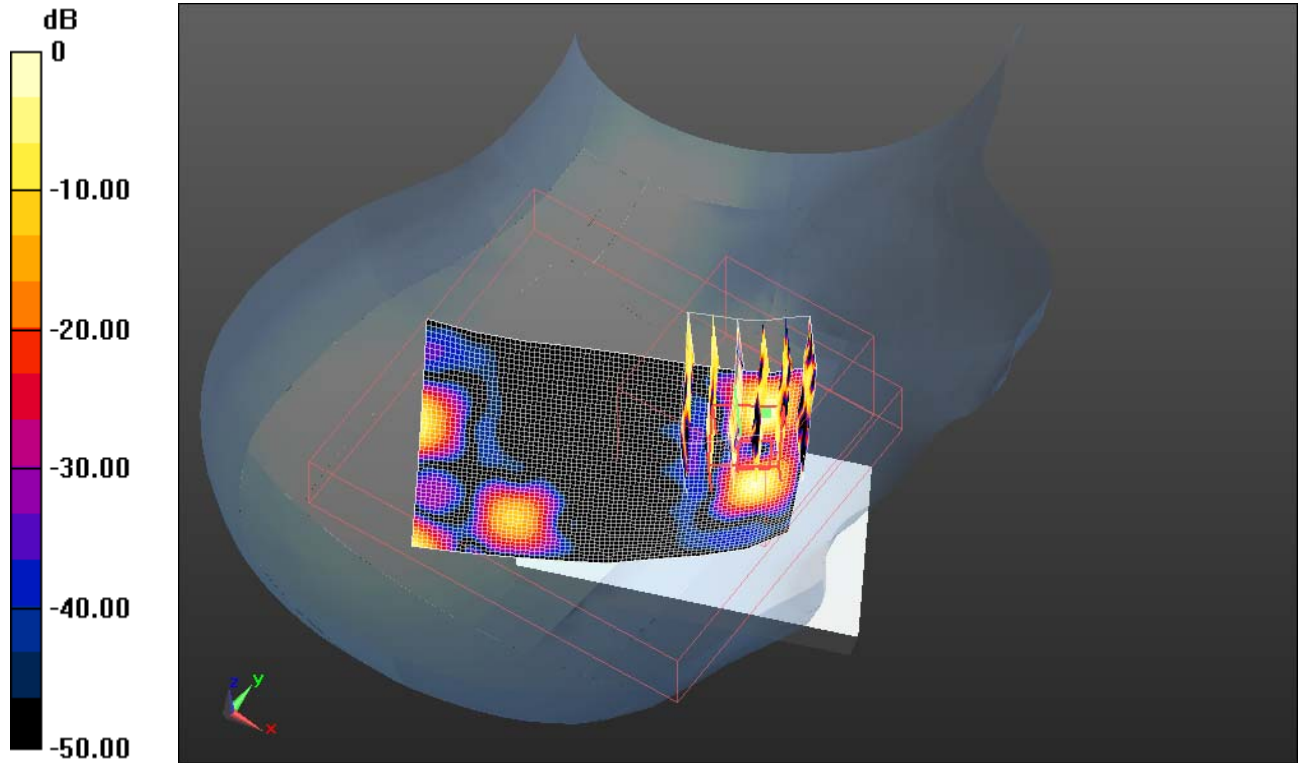
Peak SAR (extrapolated) = 0.00173 W/kg

SAR(1 g) = 0.000217 mW/g; SAR(10 g) = 2.88e-005 mW/g


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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.00132 mW/g



0 dB = 0.0013mW/g

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Date/Time: 3/4/2011 11:10:26 AM, Date/Time: 3/4/2011 11:56:00 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Bluetooth_mid_chan_amb_temp_23.9_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

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

PAR: 0 dB

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.843$ mho/m; $\epsilon_r = 37.556$; $\rho = 1000$ kg/m³

Phantom section: Left 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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.014 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (8x8x7)/Cube 0:

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

Reference Value = 0.802 V/m; Power Drift = 0.98 dB

Peak SAR (extrapolated) = 0.014 W/kg

SAR(1 g) = 0.00687 mW/g; SAR(10 g) = 0.0028 mW/g

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

Maximum value of SAR (measured) = 0.00792 mW/g

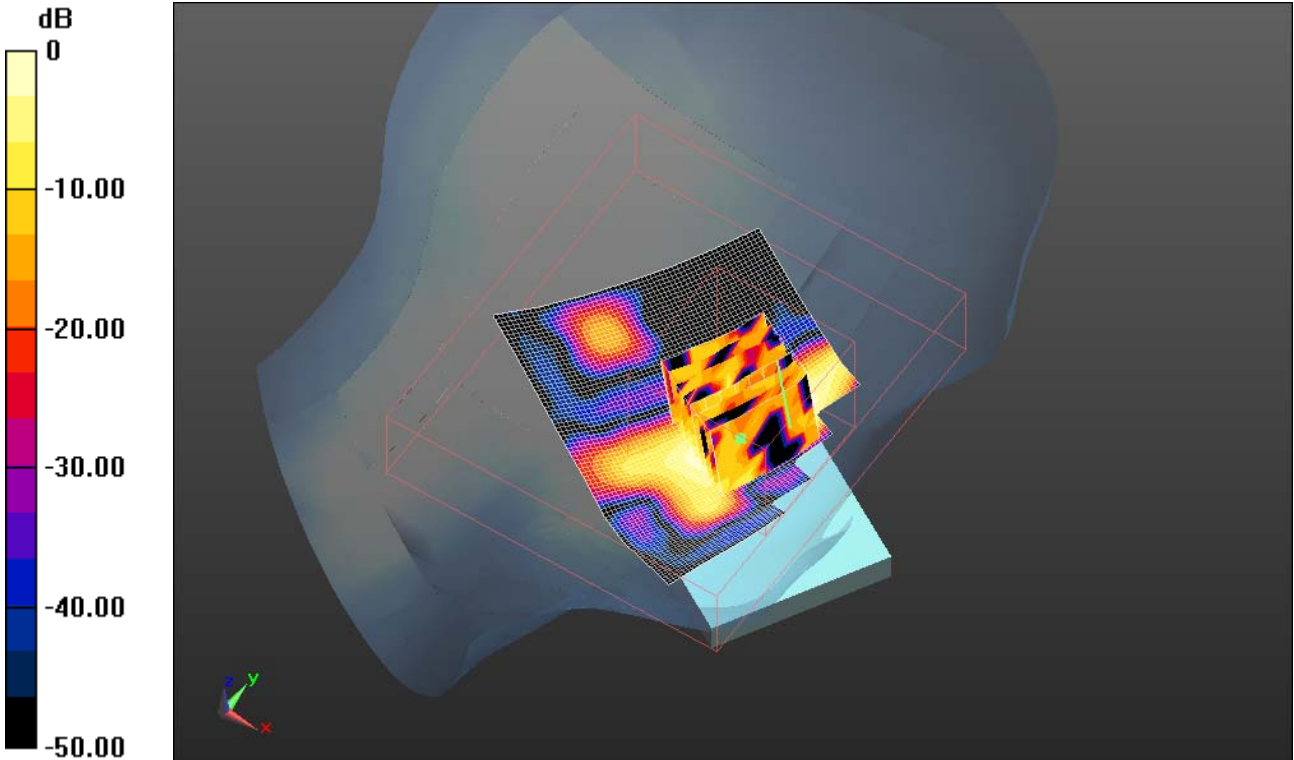
Author Data
Andrew Becker

Dates of Test
Feb 7 – May 25, 2011


Test Report No
RTS-3933-1105-11B
RTS-2580-1106-09

FCC ID:
L6ARDU70CW
L6ARDV70UW

IC ID
2503A-RDU70CW
2503A-RDE70VW



0 dB = 0.0079mW/g

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Date/Time: 3/4/2011 12:21:30 PM, Date/Time: 3/4/2011 12:27:15 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_Bluetooth_mid_chan_amb_temp_23.9_liq_temp_22.0

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32D4BD0D

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

PAR: 0 dB

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.843$ mho/m; $\epsilon_r = 37.556$; $\rho = 1000$ kg/m³

Phantom section: Left 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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.00107 mW/g


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

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

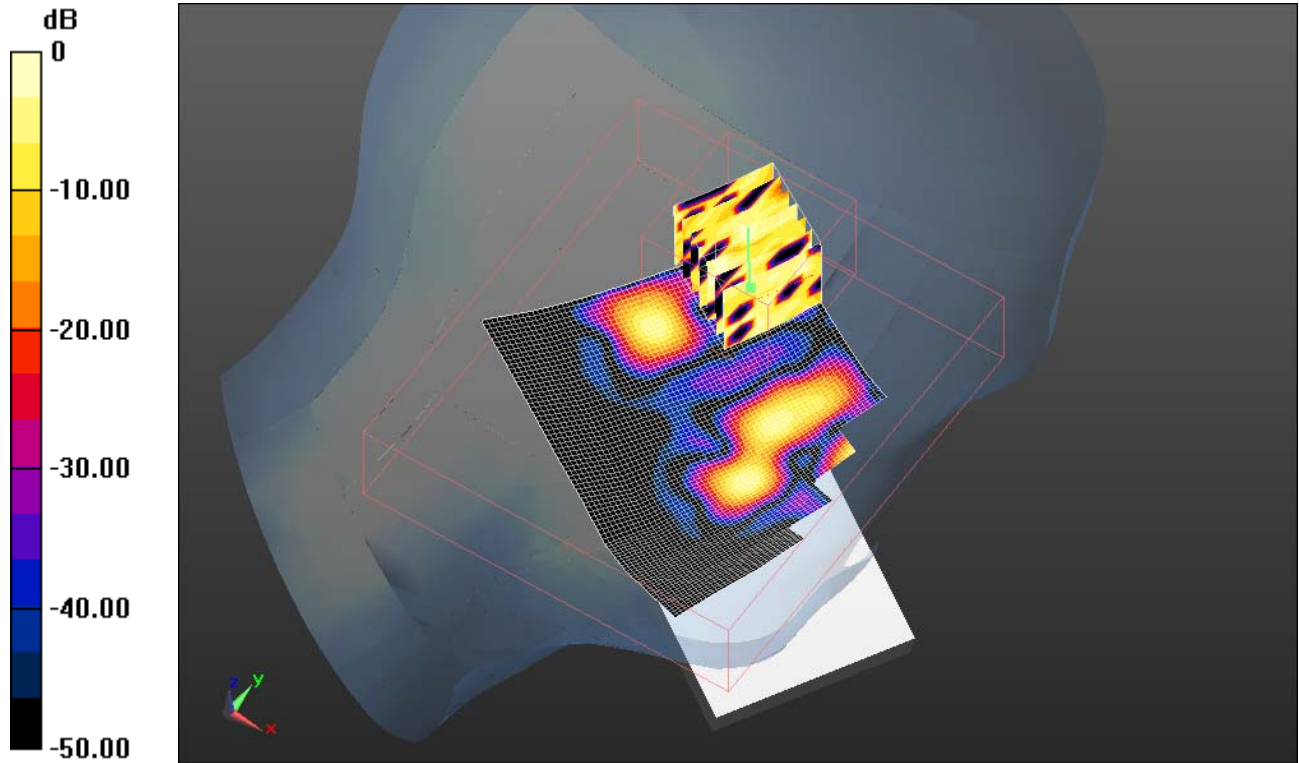
Reference Value = 0.829 V/m; Power Drift = 0.97 dB

Peak SAR (extrapolated) = 0.00241 W/kg


SAR(1 g) = 8.03e-005 mW/g; SAR(10 g) = 1.81e-005 mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

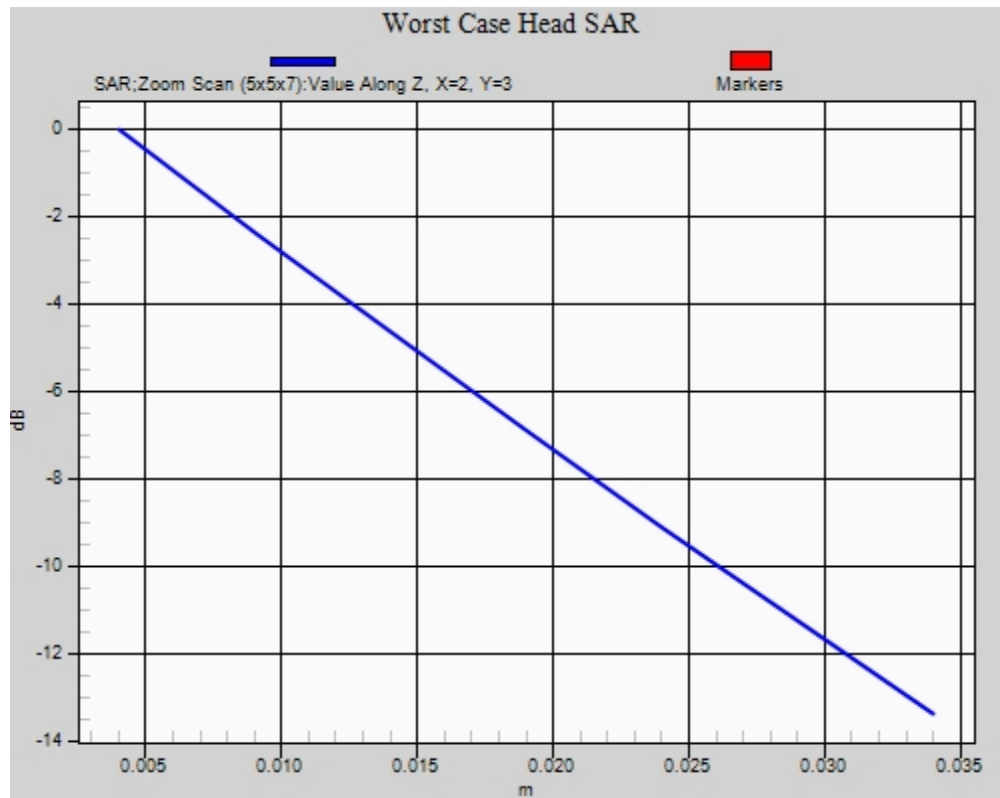
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.00128 mW/g




0 dB = 0.0013mW/g

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Z axis plot for the worst case head configuration:



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Date/Time: 4/13/2011 11:39:34 PM, Date/Time: 4/13/2011 11:44:53 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_low_chan_amb_temp_23.5_liq_temp_2

2.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.22$ mho/m; $\epsilon_r = 38.676$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASYS5 (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 Sn473; Calibrated: 1/21/2011
- 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) = 1.215 mW/g


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

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

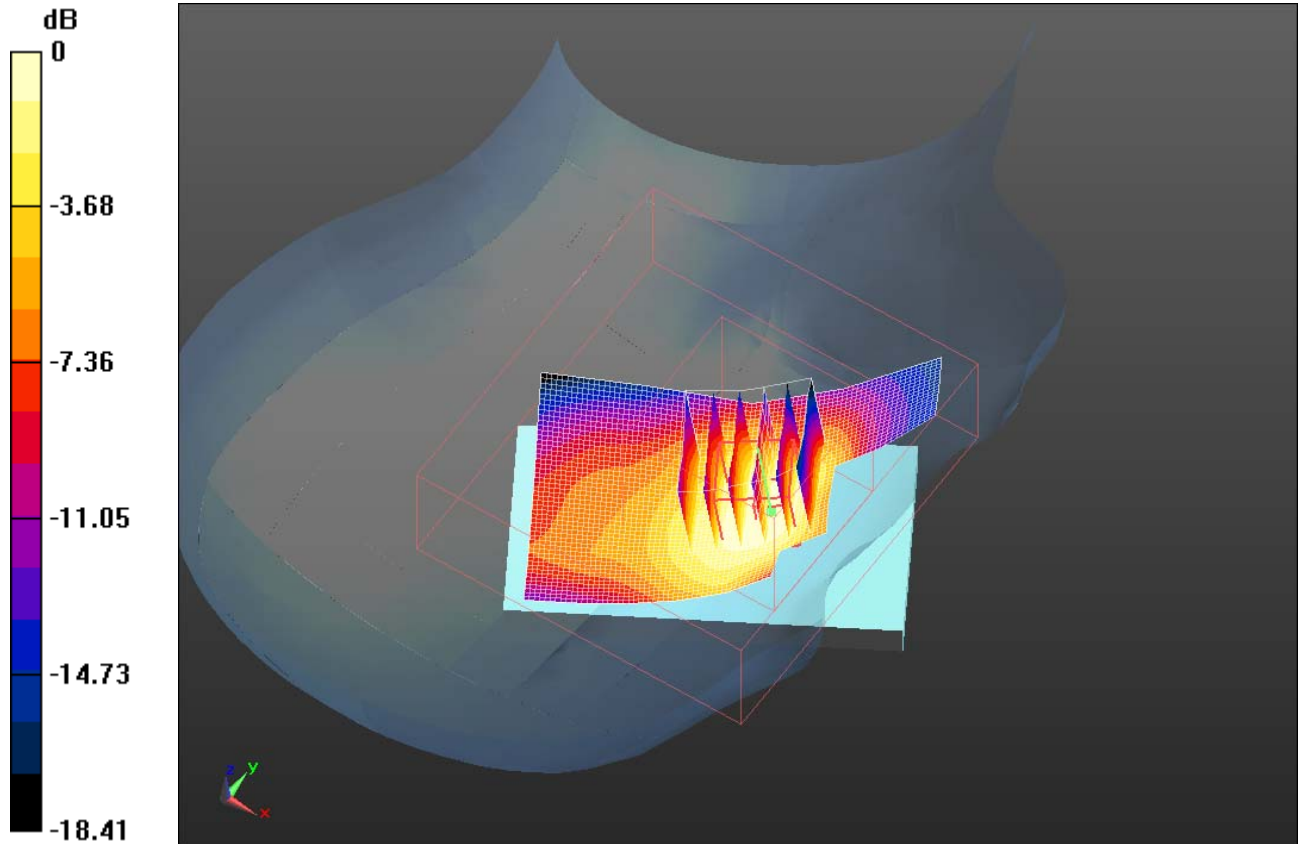
Reference Value = 11.977 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.501 W/kg


SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.697 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.172 mW/g



0 dB = 1.170mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Date/Time: 4/13/2011 11:21:30 PM, Date/Time: 4/13/2011 11:26:48 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_mid_chan_amb_temp_23.5_liq_temp_2 2.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

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

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.215$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 1.197 mW/g


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

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

Reference Value = 12.343 V/m; Power Drift = -0.39 dB

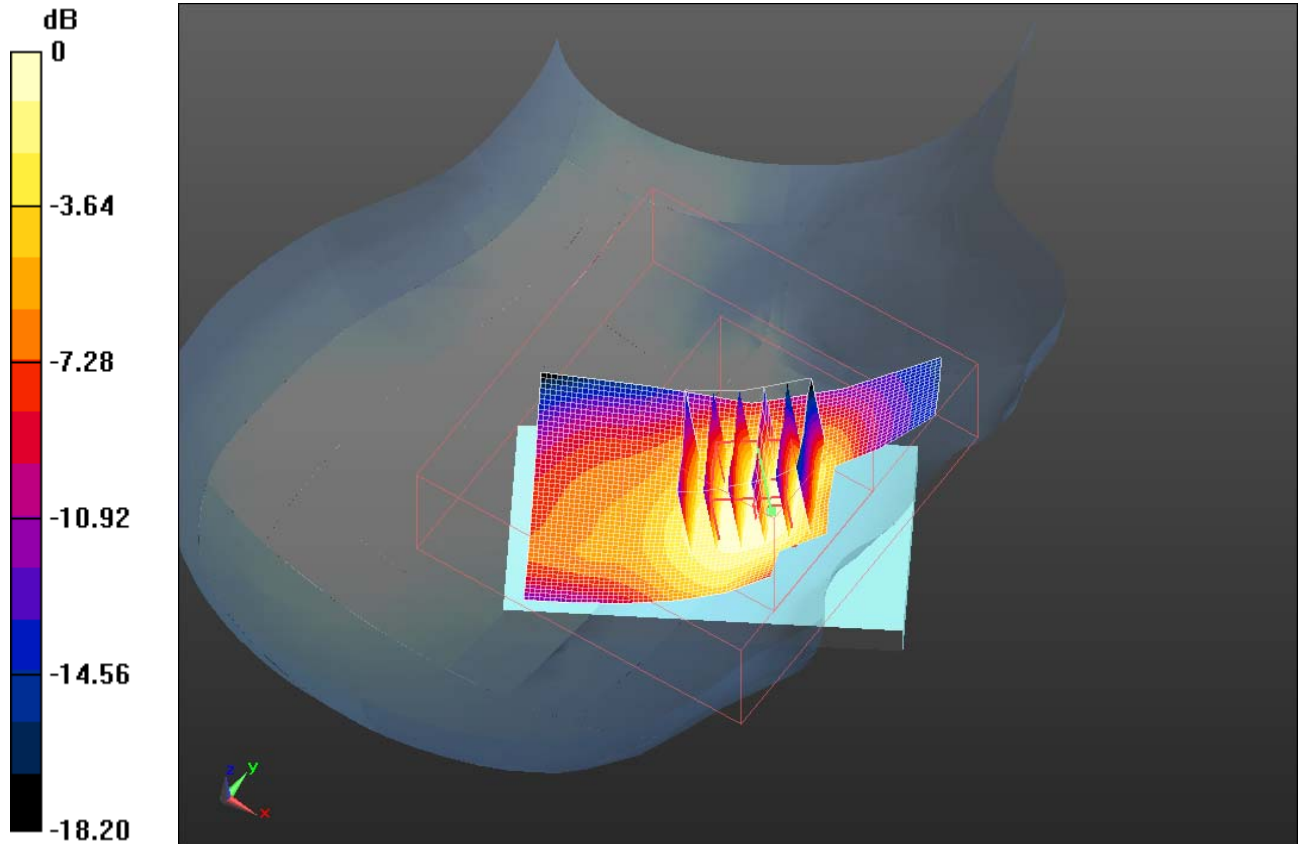
Peak SAR (extrapolated) = 1.446 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.658 mW/g


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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.108 mW/g



0 dB = 1.110mW/g

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Date/Time: 4/13/2011 11:55:44 PM, Date/Time: 4/14/2011 12:01:01 AM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_high_chan_amb_temp_23.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.264$ mho/m; $\epsilon_r = 38.243$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASYS5 (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 Sn473; Calibrated: 1/21/2011
- 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) = 1.029 mW/g


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

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

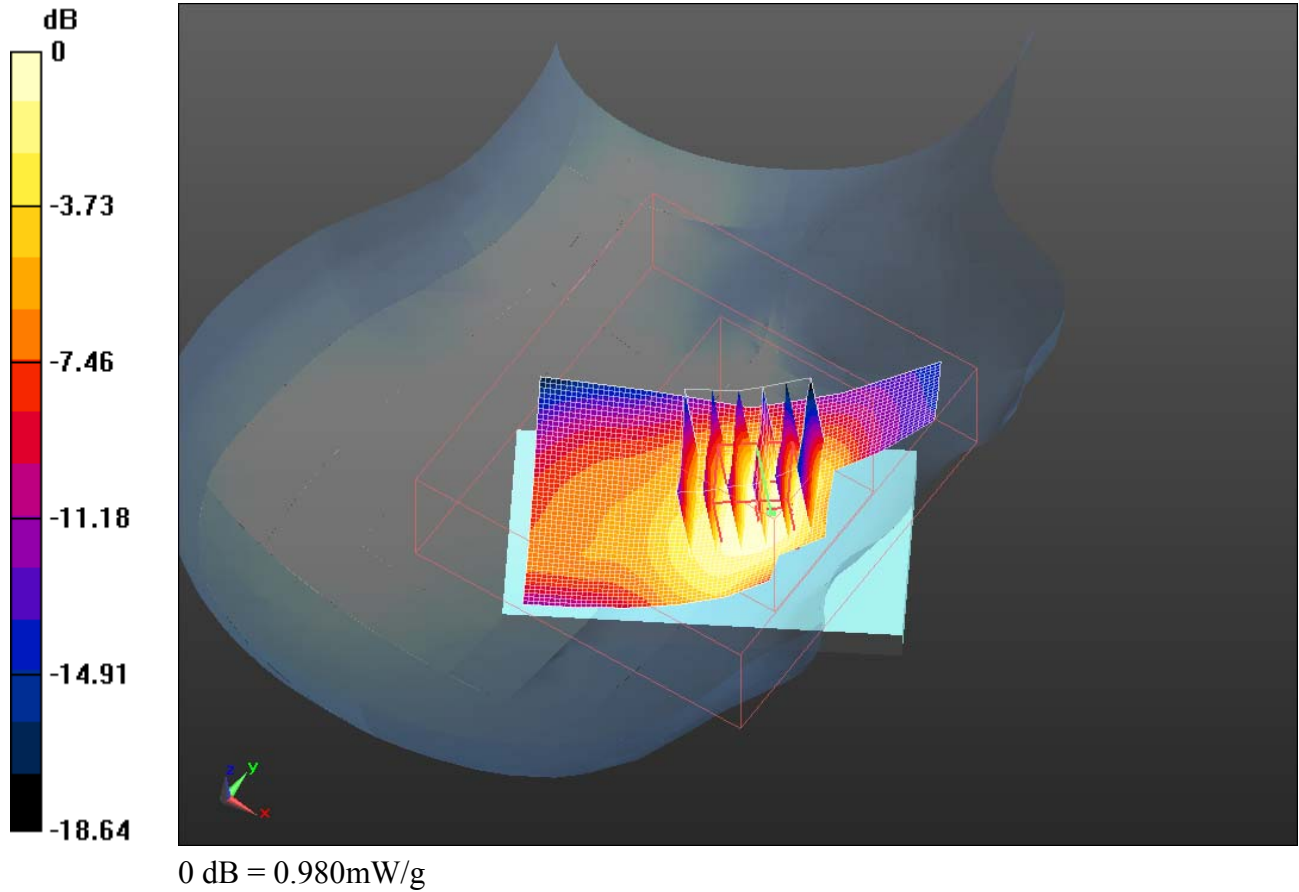
Reference Value = 11.359 V/m; Power Drift = -0.03 dB


Peak SAR (extrapolated) = 1.340 W/kg

SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.582 mW/g

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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.977 mW/g



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Date/Time: 4/14/2011 12:13:06 AM, Date/Time: 4/14/2011 12:18:25 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_23.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

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

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.215$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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) = 0.444 mW/g


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

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

Reference Value = 17.645 V/m; Power Drift = 0.03 dB

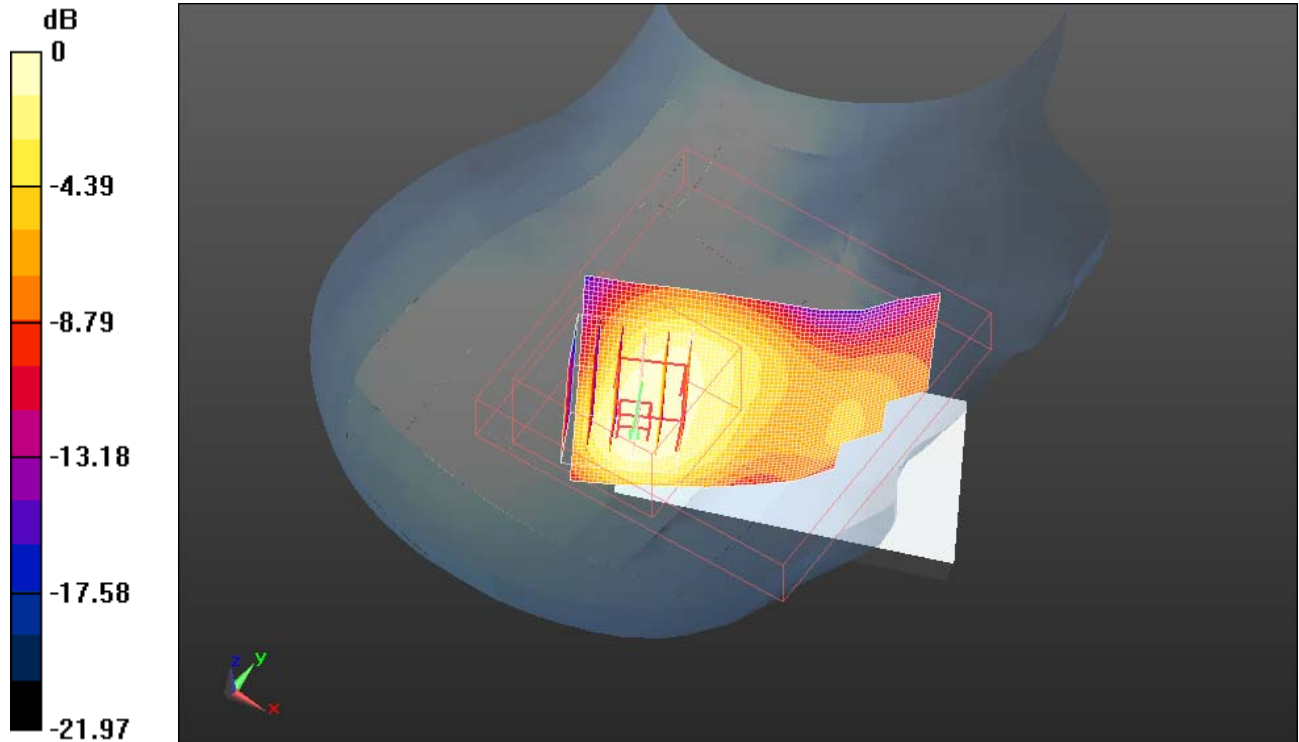
Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.240 mW/g


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	Author Data Andrew Becker	Dates of Test Feb 7 – May 25, 2011	Test Report No RTS-3933-1105-11B RTS-2580-1106-09	FCC ID: L6ARDU70CW L6ARDV70UW

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.400 mW/g



0 dB = 0.400mW/g

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Date/Time: 4/14/2011 12:48:47 AM, Date/Time: 4/14/2011 12:53:28 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_low_chan_amb_temp_24.2_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.22$ mho/m; $\epsilon_r = 38.676$; $\rho = 1000$ kg/m³

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
 - Modulation Compensation: **Not calibrated**
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 1.122 mW/g


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

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

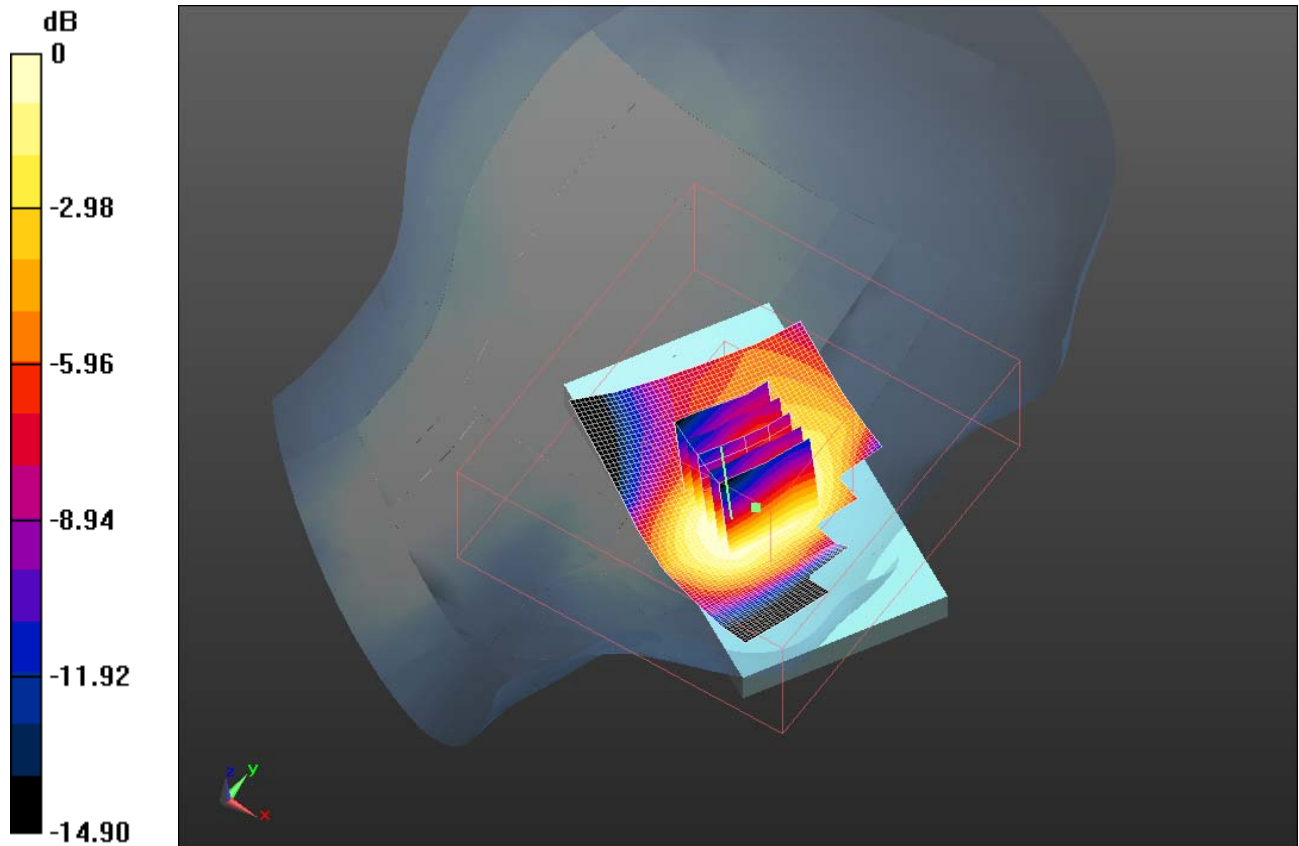
Reference Value = 9.759 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.373 W/kg


SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.652 mW/g

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Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.014 mW/g



0 dB = 1.010mW/g

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Date/Time: 4/14/2011 12:35:18 AM, Date/Time: 4/14/2011 12:39:59 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_mid_chan_amb_temp_24.6_liq_temp_22 .7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

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

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.215$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

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 Sn473; Calibrated: 1/21/2011
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

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


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

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

Reference Value = 9.799 V/m; Power Drift = -0.12 dB

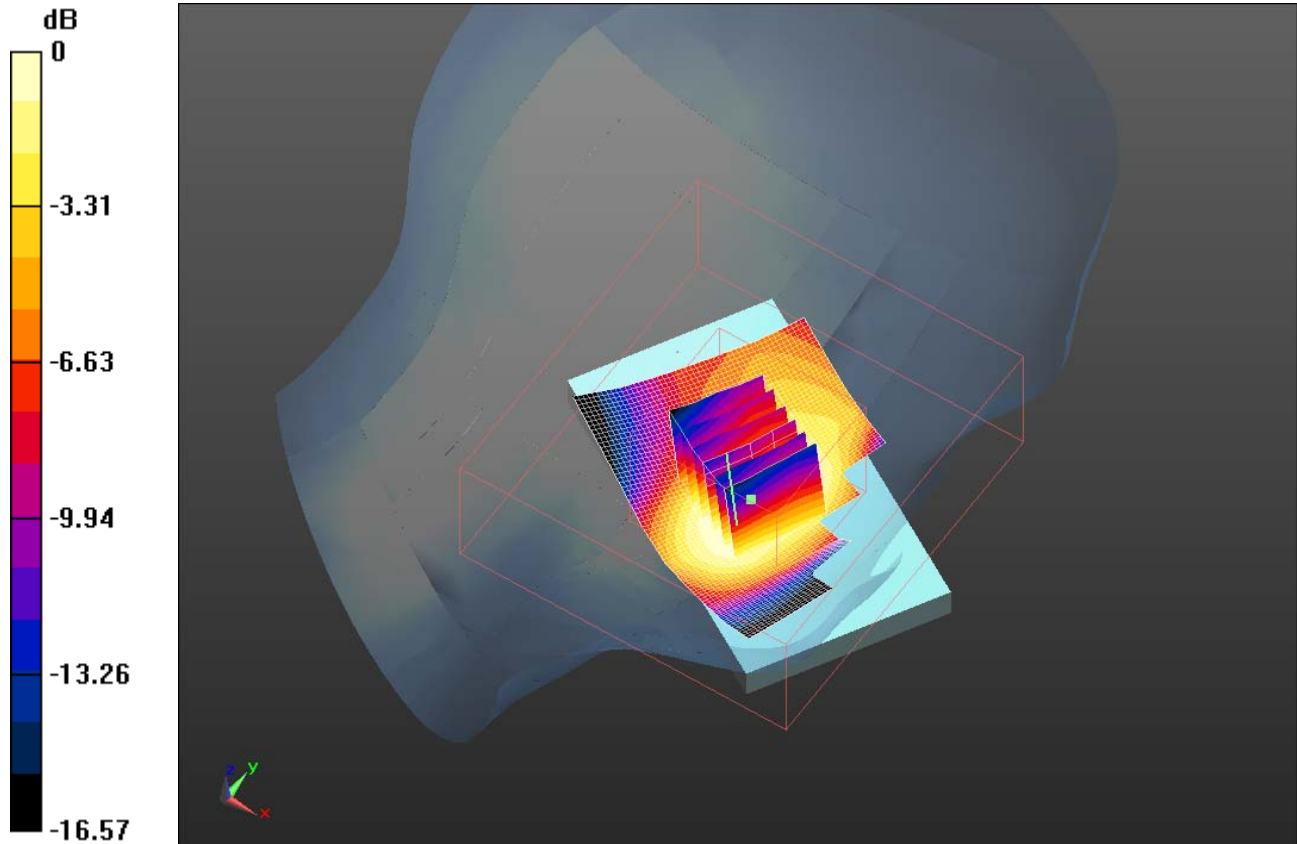
Peak SAR (extrapolated) = 1.372 W/kg

SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.598 mW/g


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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.957 mW/g



0 dB = 0.960mW/g

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Date/Time: 4/14/2011 1:00:44 AM, Date/Time: 4/14/2011 1:05:25 AM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_IV_high_chan_amb_temp_24.2_liq_temp_2

2.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.264$ mho/m; $\epsilon_r = 38.243$; $\rho = 1000$ kg/m³

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 Sn473; Calibrated: 1/21/2011
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.962 mW/g


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

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

Reference Value = 8.996 V/m; Power Drift = 0.15 dB

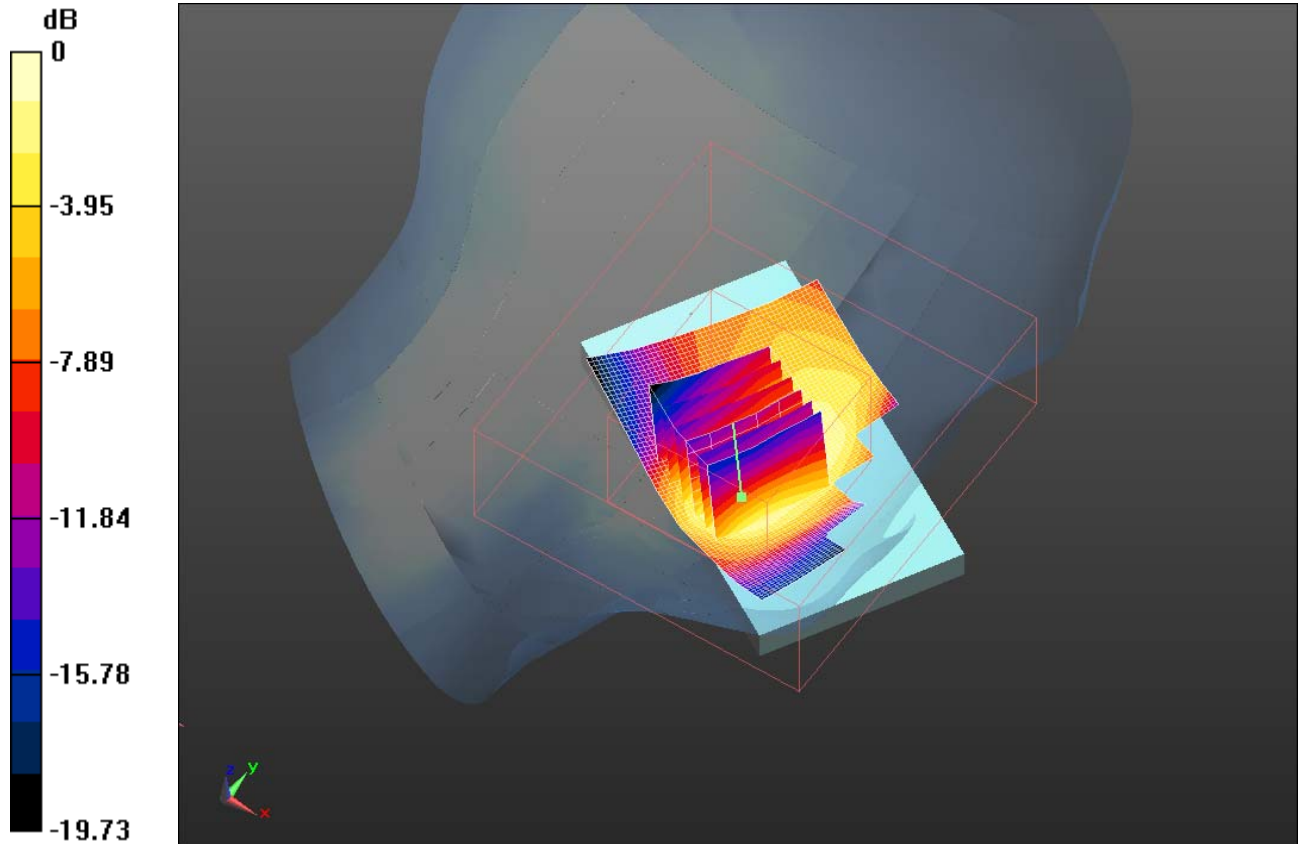
Peak SAR (extrapolated) = 1.380 W/kg

SAR(1 g) = 0.860 mW/g; SAR(10 g) = 0.546 mW/g


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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.928 mW/g



0 dB = 0.930mW/g

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Date/Time: 4/14/2011 1:17:01 AM, Date/Time: 4/14/2011 1:22:03 AM

Test Laboratory: RIM Testing Services

**LeftHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_24.2_liq_tem
p_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 273081C5

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

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.215$ mho/m; $\epsilon_r = 38.53$; $\rho = 1000$ kg/m³

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 Sn473; Calibrated: 1/21/2011
- 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 - Mid/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.596 mW/g


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

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

Reference Value = 17.646 V/m; Power Drift = -0.05 dB

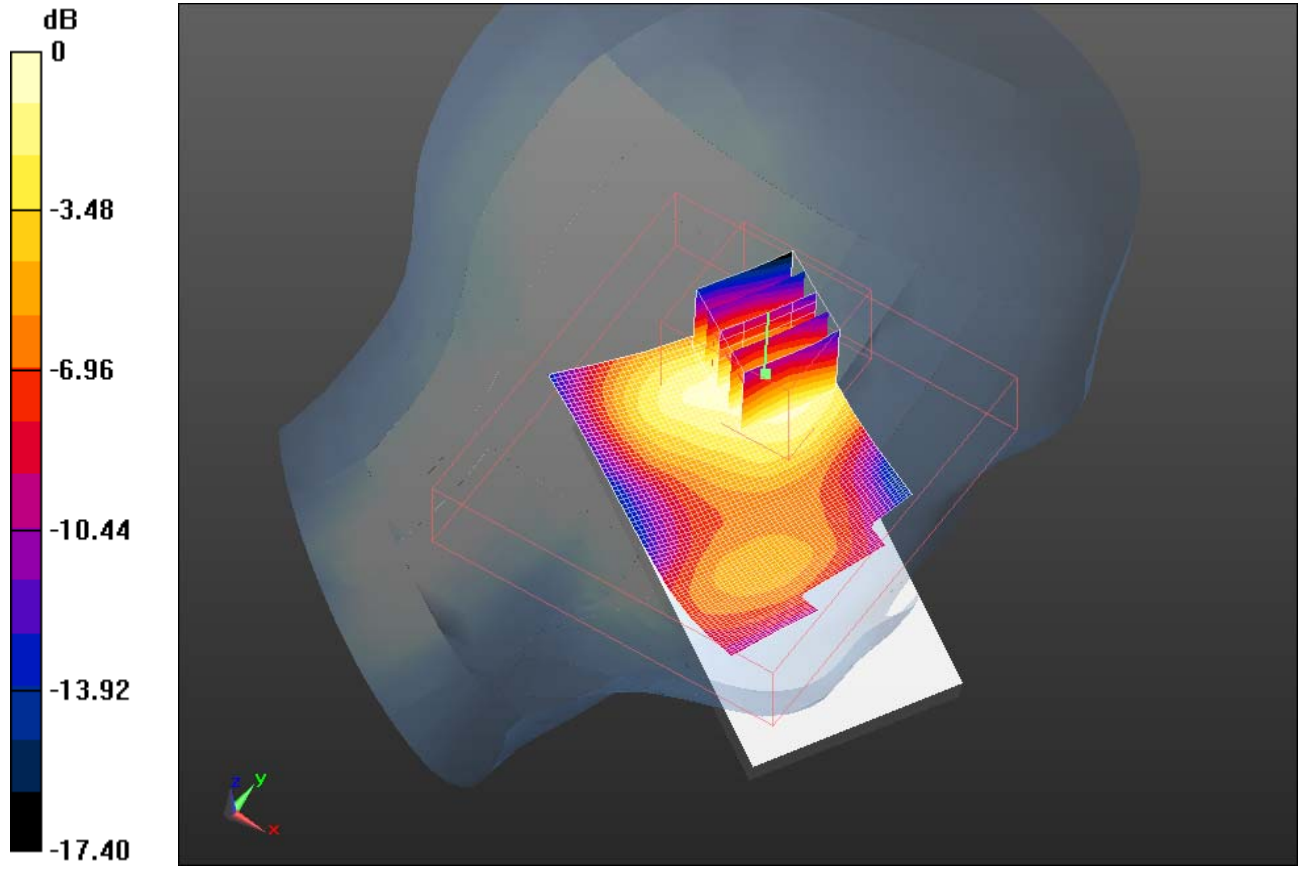
Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.315 mW/g


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Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.521 mW/g



0 dB = 0.520mW/g

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Z axis plot for the worst case head configuration:

