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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

APPENDIX B1: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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Date/Time: 2/28/2012 1:13:56 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_low_chan_amb_temp_22.6C_liq_temp_20.2

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 824.7 MHz

Medium parameters used: $f = 825$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 41.456$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

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

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.121 mW/g

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


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

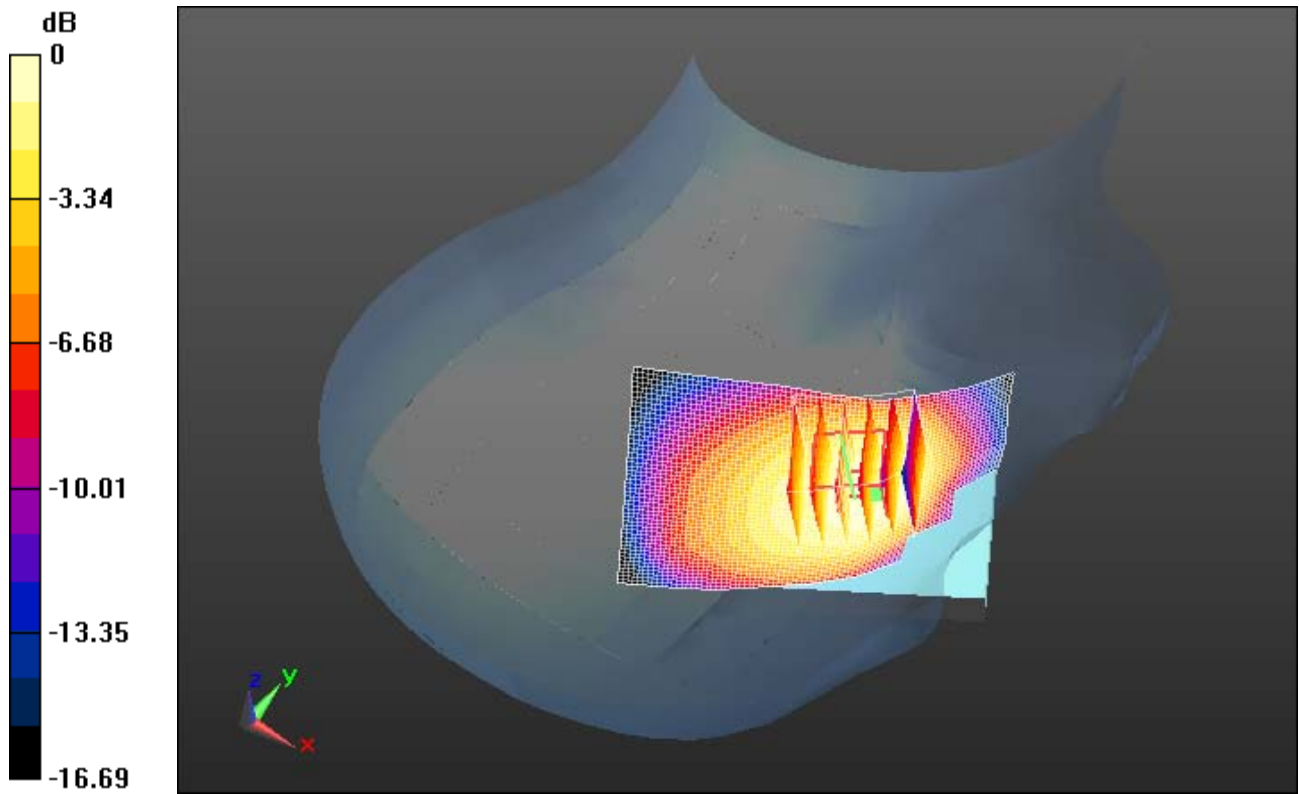
Reference Value = 14.380 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.2920


SAR(1 g) = 0.998 mW/g; SAR(10 g) = 0.728 mW/g

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

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0 dB = 1.130mW/g = 1.06 dB mW/g

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Date/Time: 2/28/2012 12:34:24 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_mid_chan_amb_temp_22.6C_liq_temp_20.2 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 836.52 MHz
Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.326$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 1.243 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 = 15.086 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.4320
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.826 mW/g

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

Maximum value of SAR (measured) = 1.243 mW/g

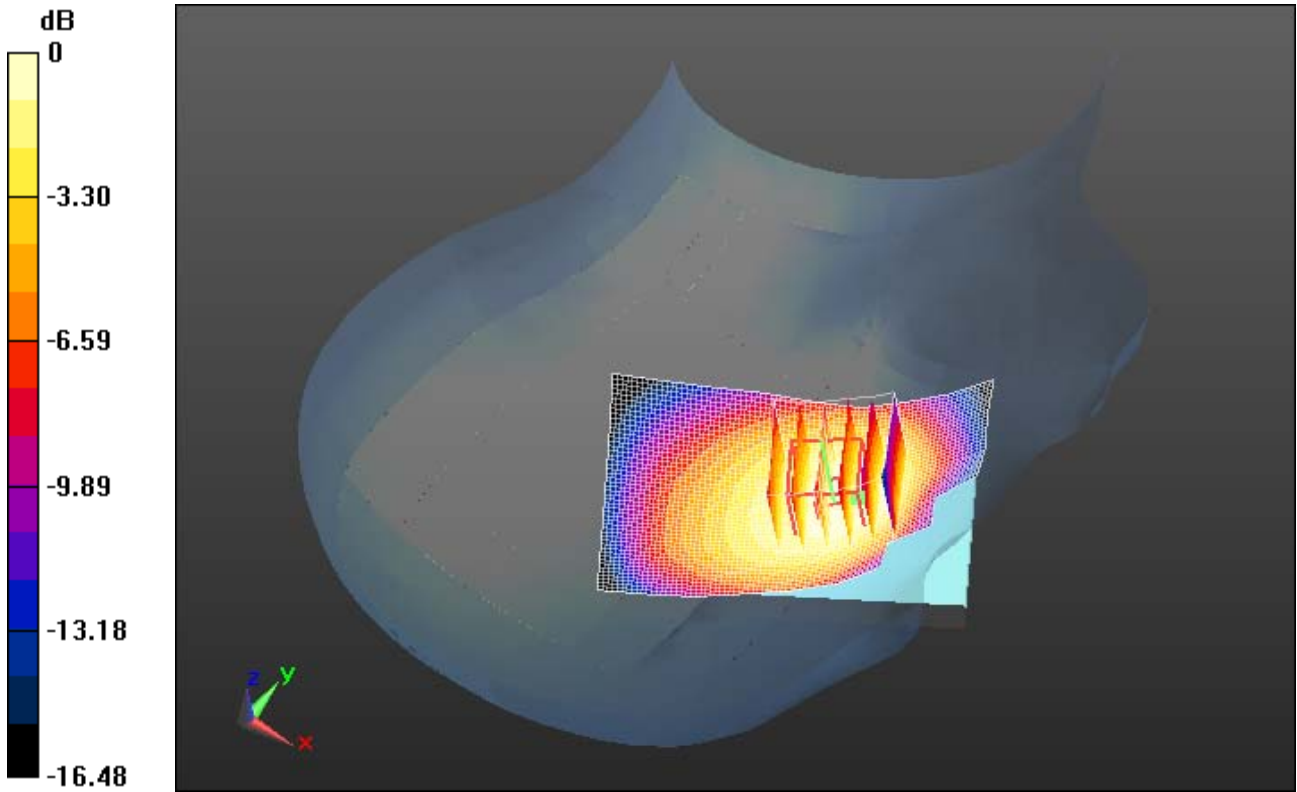
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


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FCC ID:
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0 dB = 1.240mW/g = 1.87 dB mW/g

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Date/Time: 2/28/2012 1:31:03 AM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA850_high_chan_amb_temp_22.6C_liq_temp_20.2

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 848.52 MHz

Medium parameters used (interpolated): $f = 848.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.179$;
 $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 1.147 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 = 14.285 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.3690

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.740 mW/g

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

Maximum value of SAR (measured) = 1.163 mW/g

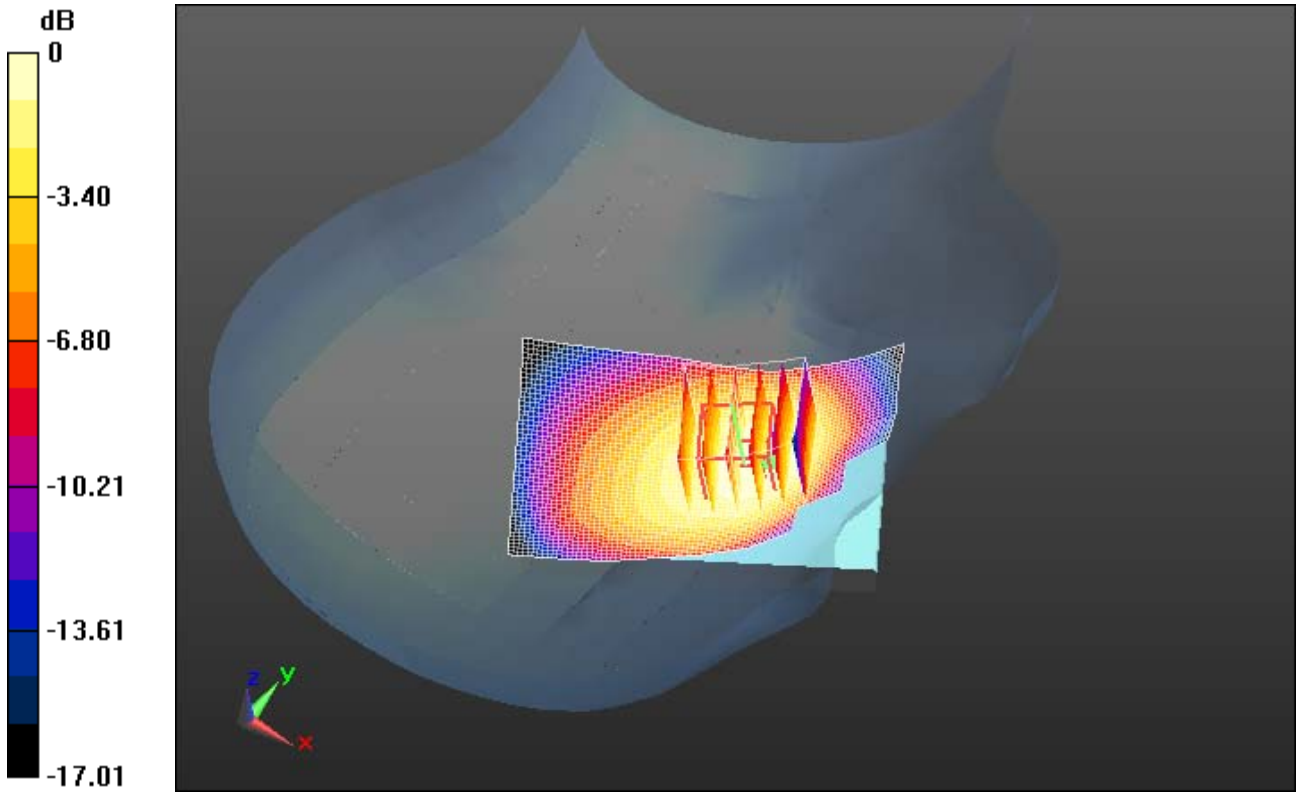
Author Data
Andrew Becker

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0 dB = 1.160mW/g = 1.29 dB mW/g

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Date/Time: 2/28/2012 1:51:00 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA850_mid_chan_amb_temp_22.6C_liq_temp_20.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 836.52 MHz

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.326$;
 $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 0.685 mW/g

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

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

Reference Value = 20.121 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.8050

SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.453 mW/g

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

Maximum value of SAR (measured) = 0.688 mW/g

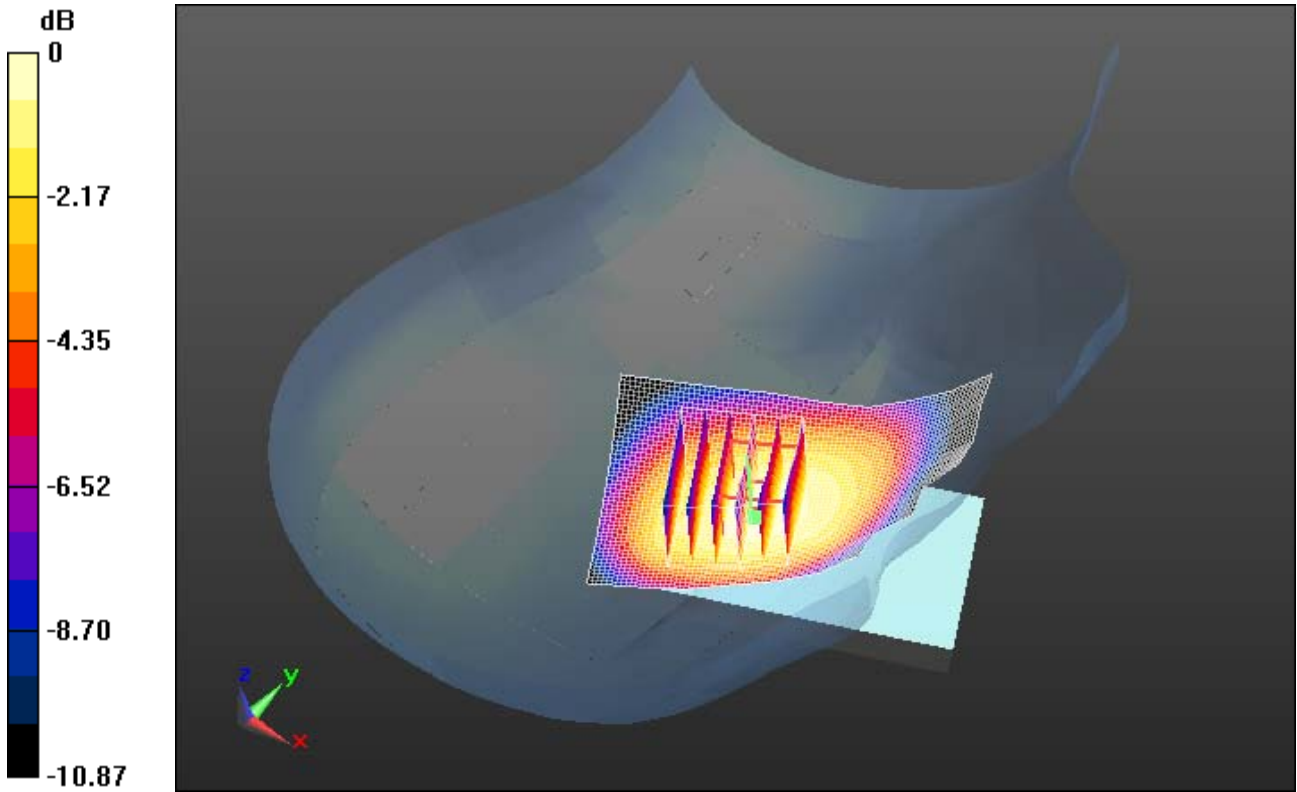
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0 dB = 0.690mW/g = -3.22 dB mW/g

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Date/Time: 2/27/2012 11:00:55 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_low_chan_amb_temp_22.7C_liq_temp_20.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 824.7 MHz

Medium parameters used: $f = 825$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 41.456$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

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

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.008 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 = 13.414 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.1650

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.671 mW/g

Maximum value of SAR (measured) = 1.014 mW/g

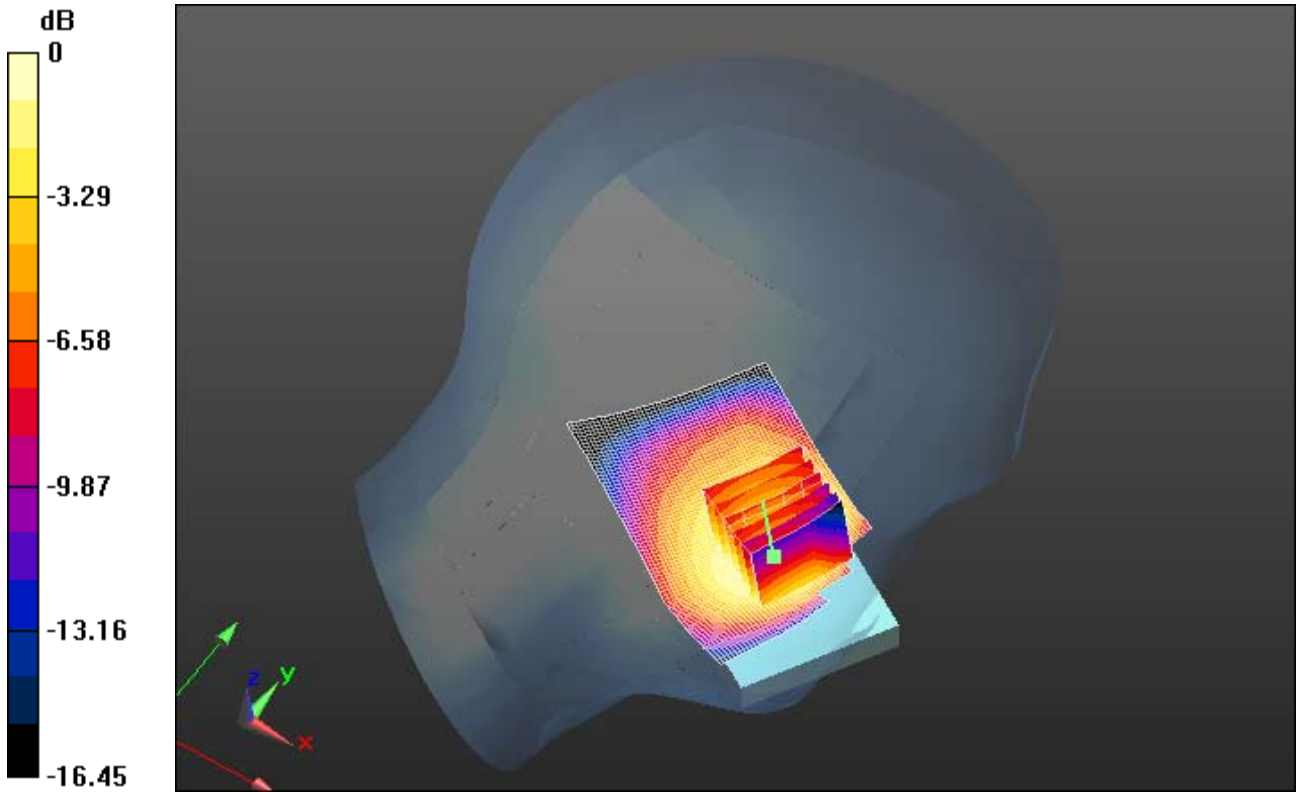
Author Data
Andrew Becker

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0 dB = 1.010mW/g = 0.09 dB mW/g

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Date/Time: 2/27/2012 10:29:31 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_mid_chan_amb_temp_22.7C_liq_temp_20.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 836.52 MHz

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.326$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 1.213 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 = 14.301 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.3210

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.764 mW/g

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

Maximum value of SAR (measured) = 1.163 mW/g

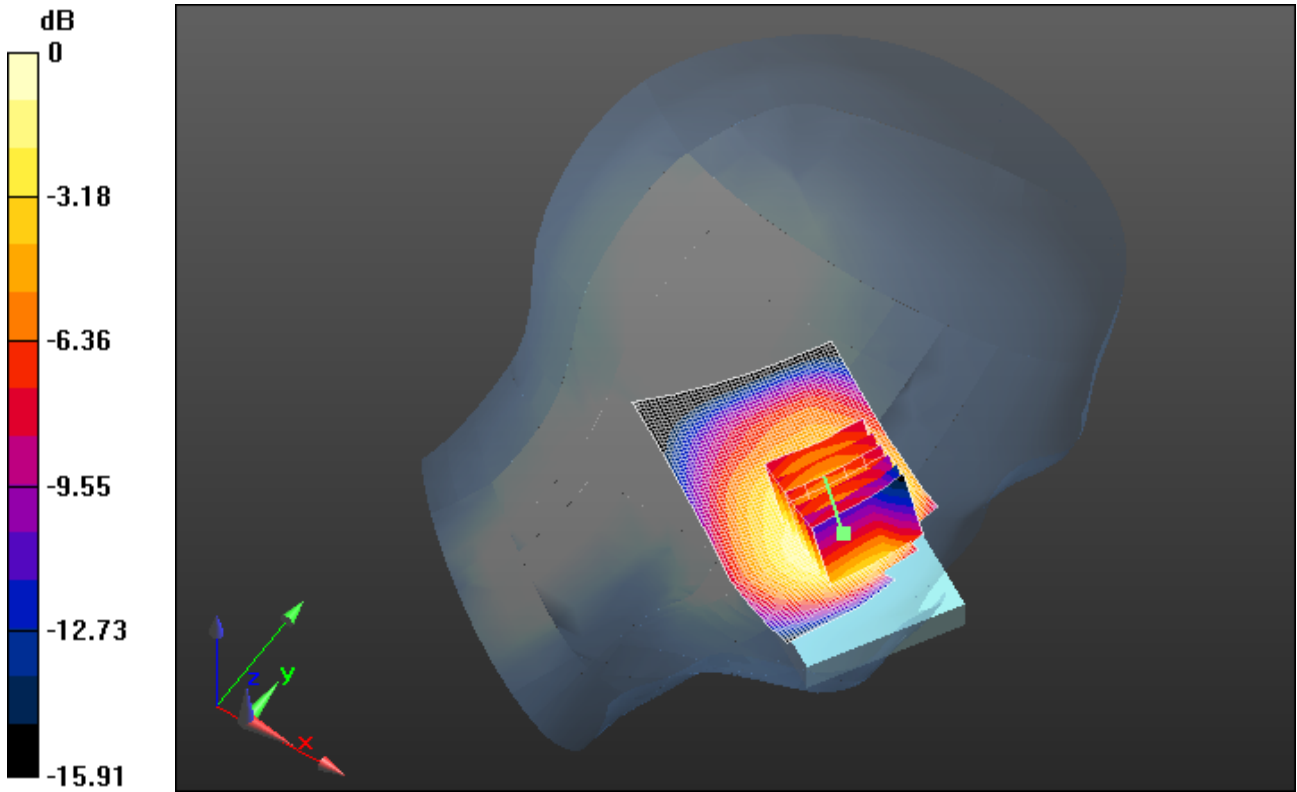
Author Data
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0 dB = 1.160mW/g = 1.29 dB mW/g

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Date/Time: 2/27/2012 11:20:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA850_high_chan_amb_temp_22.7C_liq_temp_20.2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 848.52 MHz
Medium parameters used (interpolated): $f = 848.52$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.179$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 1.031 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 = 13.413 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.1830
SAR(1 g) = 0.939 mW/g; SAR(10 g) = 0.684 mW/g

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

Maximum value of SAR (measured) = 1.035 mW/g

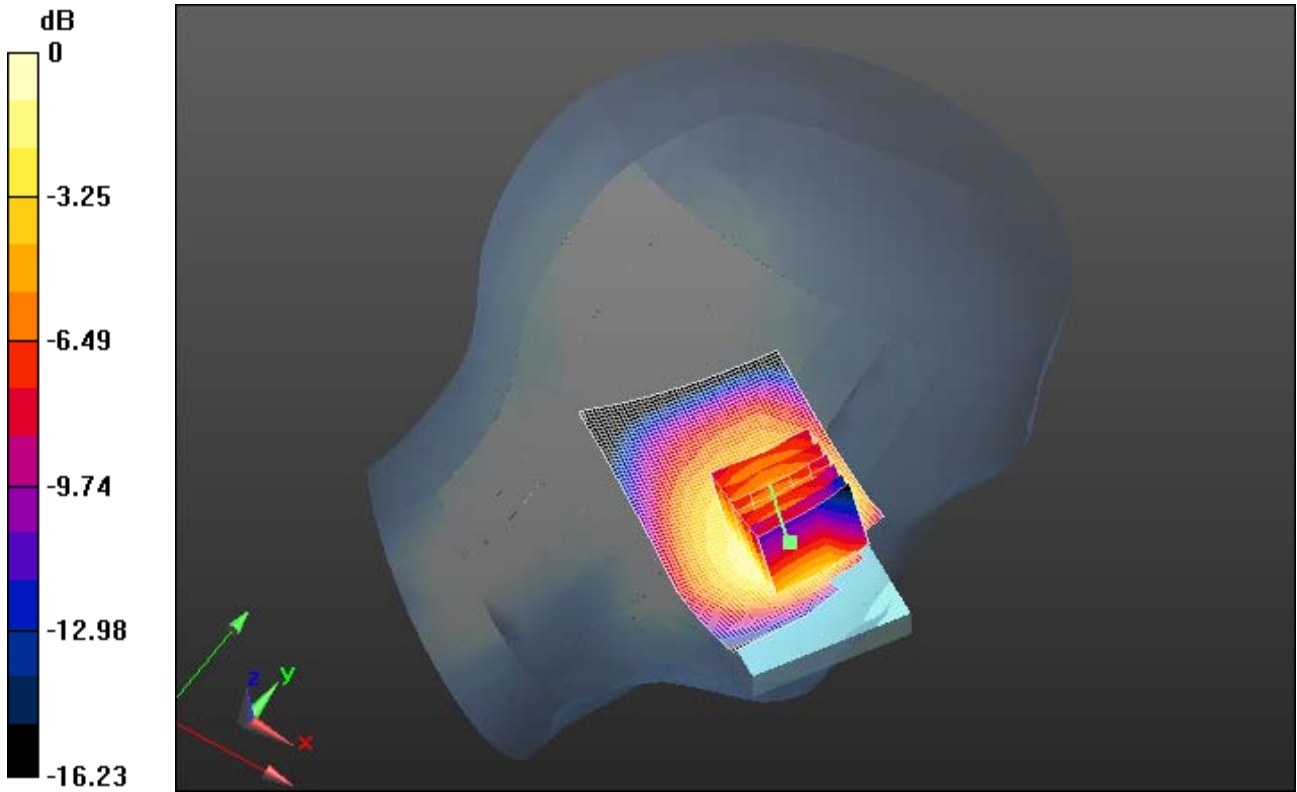
Author Data
Andrew Becker

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0 dB = 1.040mW/g = 0.34 dB mW/g

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Date/Time: 2/27/2012 11:38:23 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA850_mid_chan_amb_temp_22.6C_liq_temp_20 .2C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 850; Frequency: 836.52 MHz

Medium parameters used (interpolated): $f = 836.52$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 41.326$;
 $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

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

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

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

Maximum value of SAR (interpolated) = 0.636 mW/g

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

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


Reference Value = 20.778 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.7290

SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.422 mW/g

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

Maximum value of SAR (measured) = 0.632 mW/g

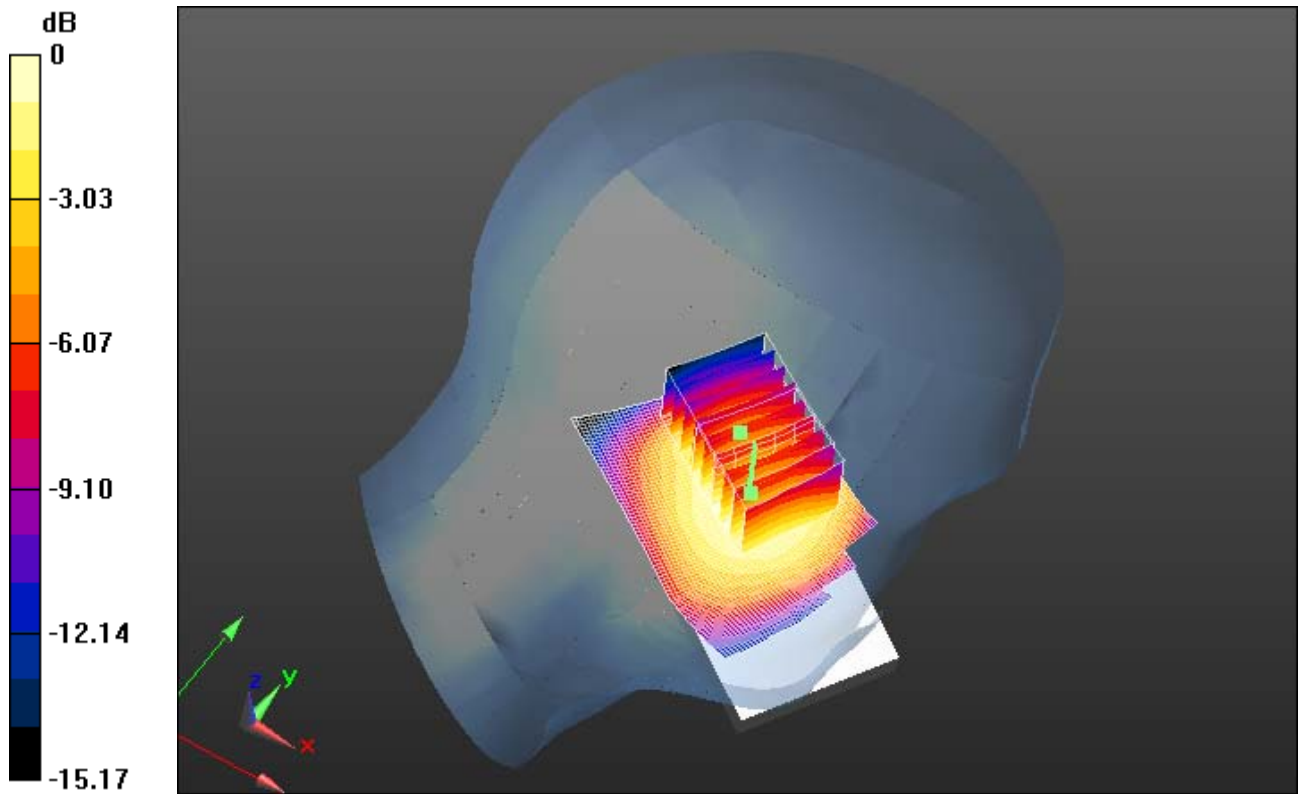
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Configuration/Tilt position -/Zoom Scan 2 (5x5x7) (6x8x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 20.778 V/m; Power Drift = 0.05 dB
 Peak SAR (extrapolated) = 0.7280
SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.423 mW/g

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

Maximum value of SAR (measured) = 0.637 mW/g



0 dB = 0.640mW/g = -3.88 dB mW/g

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Date/Time: 2/29/2012 8:16:11 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_low_chan_amb_temp_22.9C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1851.25 MHz
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 40.123$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 1.891 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 = 12.630 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.2750
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 0.929 mW/g

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

Maximum value of SAR (measured) = 1.775 mW/g

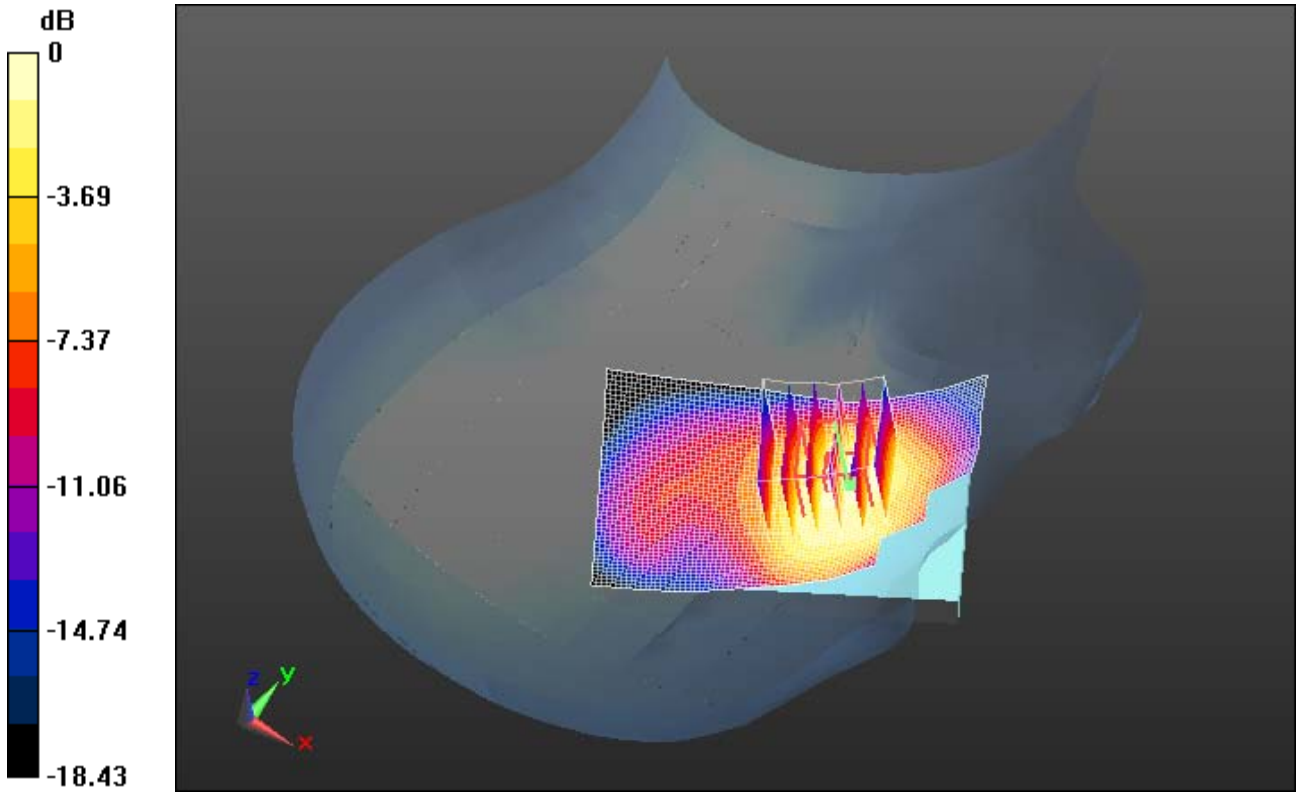
Author Data
Andrew Becker

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0 dB = 1.770mW/g = 4.96 dB mW/g

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Date/Time: 2/29/2012 7:41:01 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_mid_chan_amb_temp_23.1C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 39.977$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.592 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 = 13.032 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.0280

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.821 mW/g

Maximum value of SAR (measured) = 1.608 mW/g

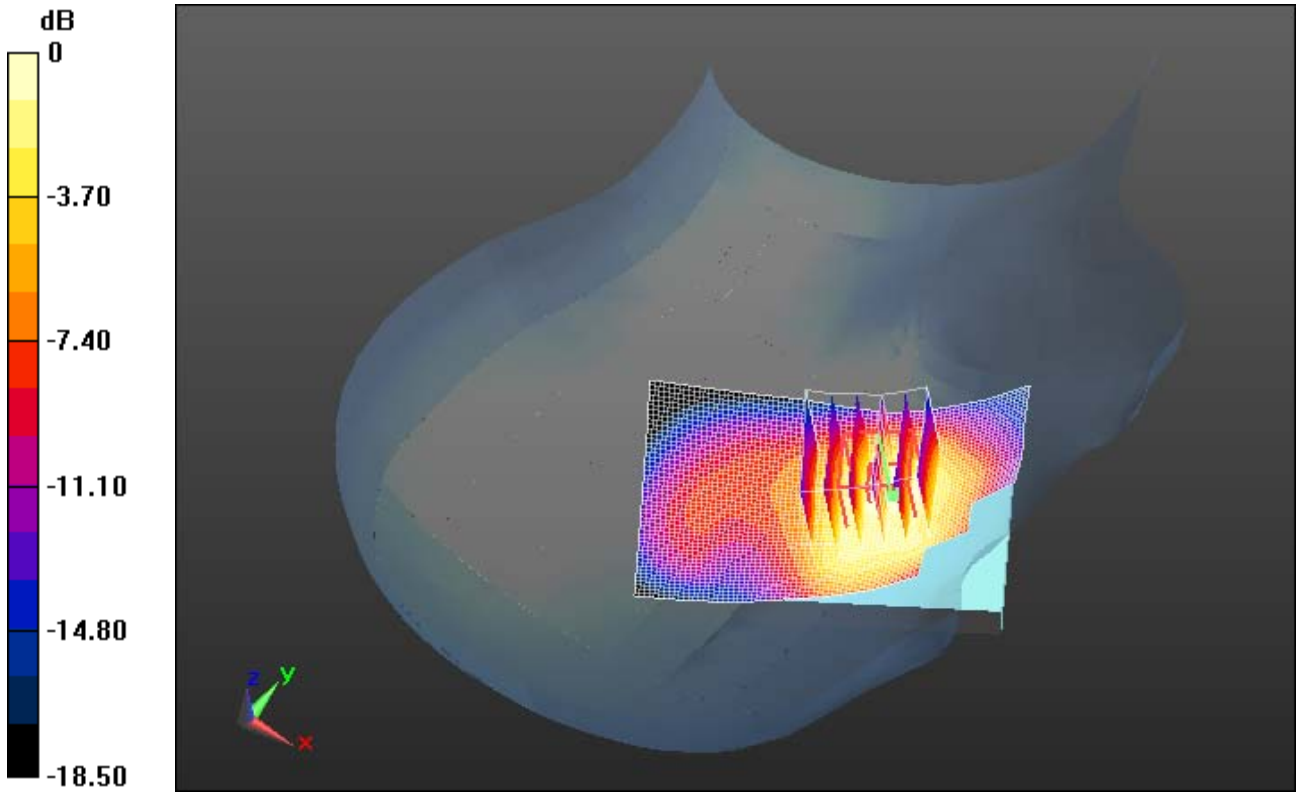
Author Data
Andrew Becker

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0 dB = 1.610mW/g = 4.14 dB mW/g

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Date/Time: 2/29/2012 8:34:48 PM

Test Laboratory: RIM Testing Services

RightHandSide_CDMA1900_high_chan_amb_temp_22.8C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1908.5 MHz
Medium parameters used (interpolated): $f = 1908.5$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 39.858$;
 $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 1.626 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 = 12.934 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.0620
SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.829 mW/g

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

Maximum value of SAR (measured) = 1.603 mW/g

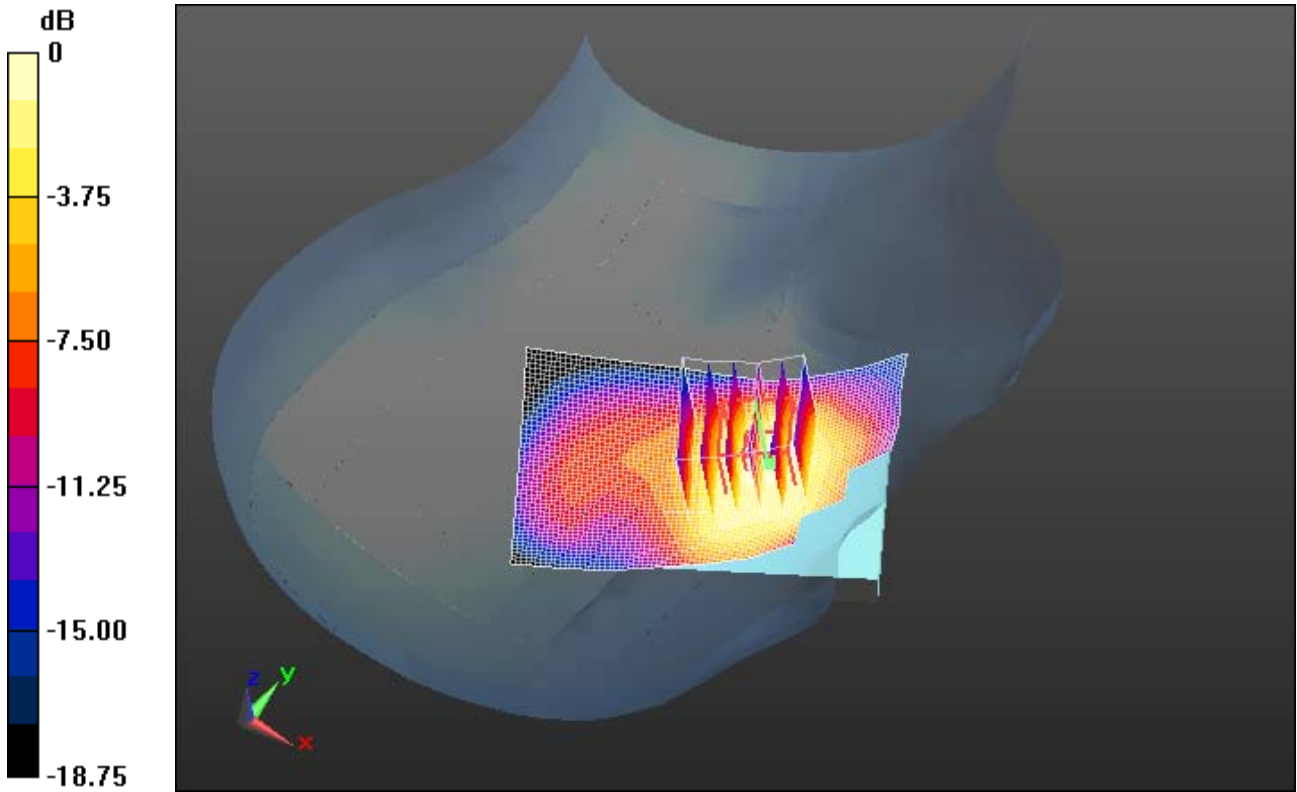
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
RTS-5994-1203-47

FCC ID:
L6AREY20CW

IC ID
2503A-REY20CW



0 dB = 1.600mW/g = 4.08 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Date/Time: 2/29/2012 9:49:22 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_CDMA1900_mid_chan_amb_temp_23.0C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 39.977$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Tilt position -/Area Scan (51x81x1): Measurement grid:

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

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

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

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

Reference Value = 20.075 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.6760

SAR(1 g) = 0.450 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 0.520 mW/g

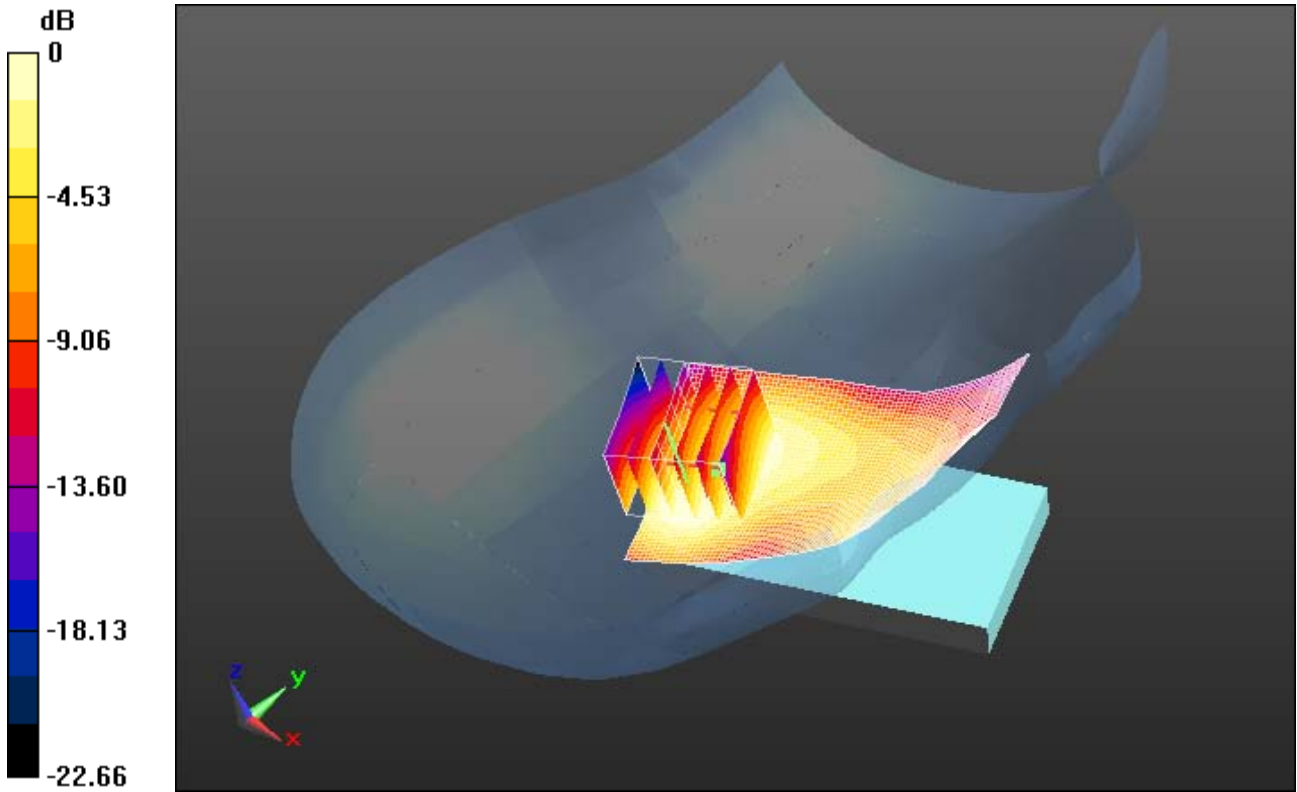
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
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FCC ID:
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IC ID
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0 dB = 0.520mW/g = -5.68 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Date/Time: 2/29/2012 10:43:33 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_low_chan_amb_temp_23.0C_liq_temp_21.0

C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1851.25 MHz

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.371$ mho/m; $\epsilon_r = 40.123$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 1.434 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 = 9.963 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.8600

SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.811 mW/g

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

Maximum value of SAR (measured) = 1.432 mW/g

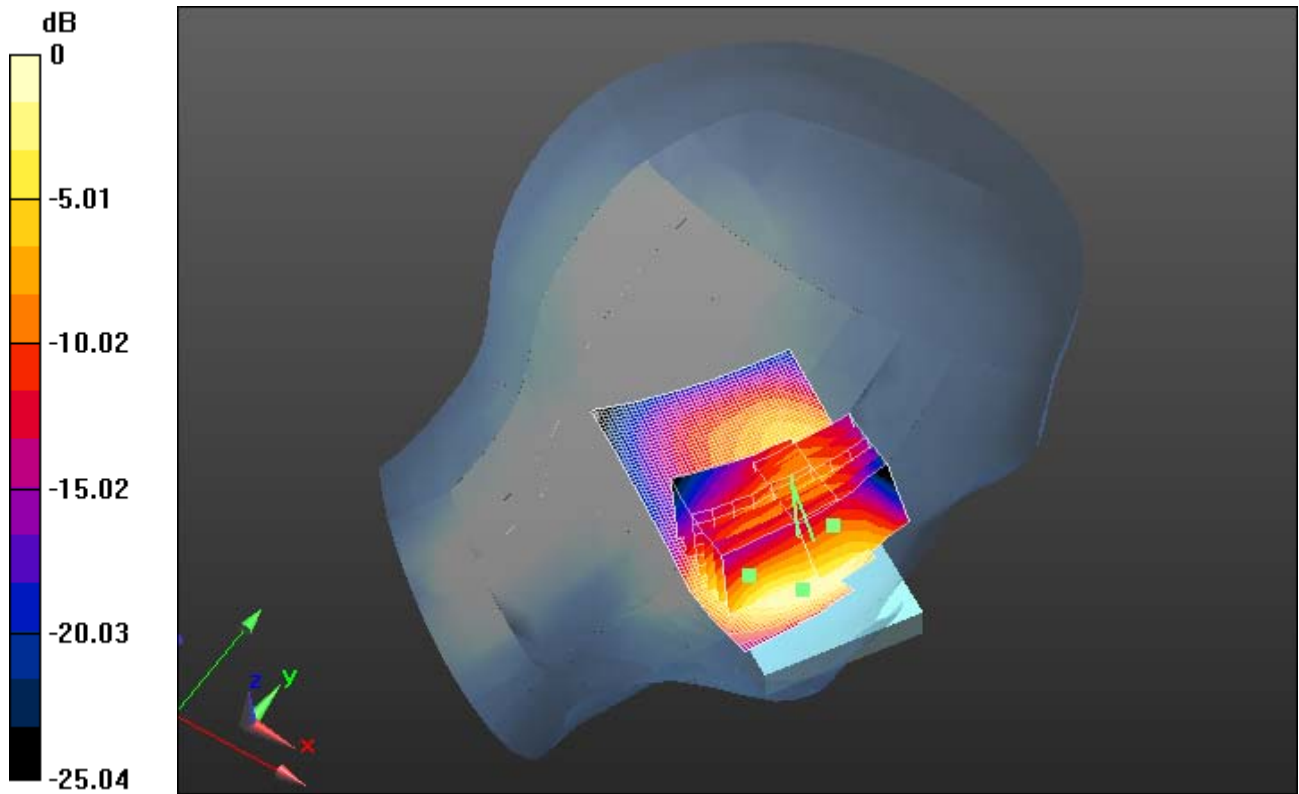
	Document Appendix B1 for the BlackBerry® Smartphone Model REY21CW SAR Report			Page 27(50)
	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 9.963 V/m; Power Drift = 0.16 dB
 Peak SAR (extrapolated) = 1.7700
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.780 mW/g

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

Maximum value of SAR (measured) = 1.438 mW/g



0 dB = 1.440mW/g = 3.17 dB mW/g

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Date/Time: 2/29/2012 10:14:57 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_mid_chan_amb_temp_23.0C_liq_temp_21.0

C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 39.977$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (51x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.354 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 = 9.636 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.6260

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.727 mW/g

Maximum value of SAR (measured) = 1.251 mW/g

Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:

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

Reference Value = 9.636 V/m; Power Drift = 0.25 dB

Peak SAR (extrapolated) = 1.6250

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.702 mW/g

Maximum value of SAR (measured) = 1.309 mW/g

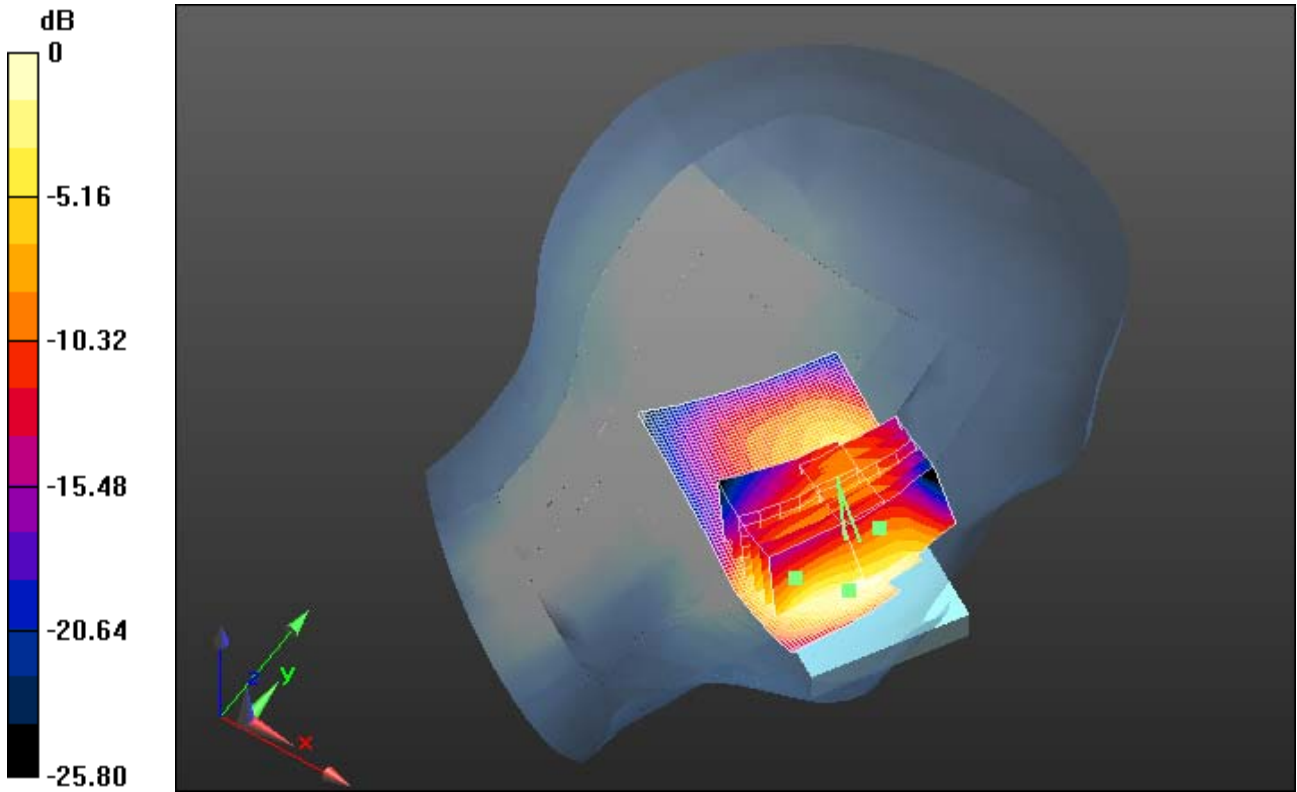
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
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IC ID
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0 dB = 1.310mW/g = 2.35 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Date/Time: 2/29/2012 11:10:34 PM

Test Laboratory: RIM Testing Services

LeftHandSide_CDMA1900_high_chan_amb_temp_22.9C_liq_temp_21.0 C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1908.5 MHz
Medium parameters used (interpolated): $f = 1908.5$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 39.858$;
 $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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


Maximum value of SAR (interpolated) = 1.444 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 = 10.316 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.7820
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.769 mW/g

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

Maximum value of SAR (measured) = 1.380 mW/g

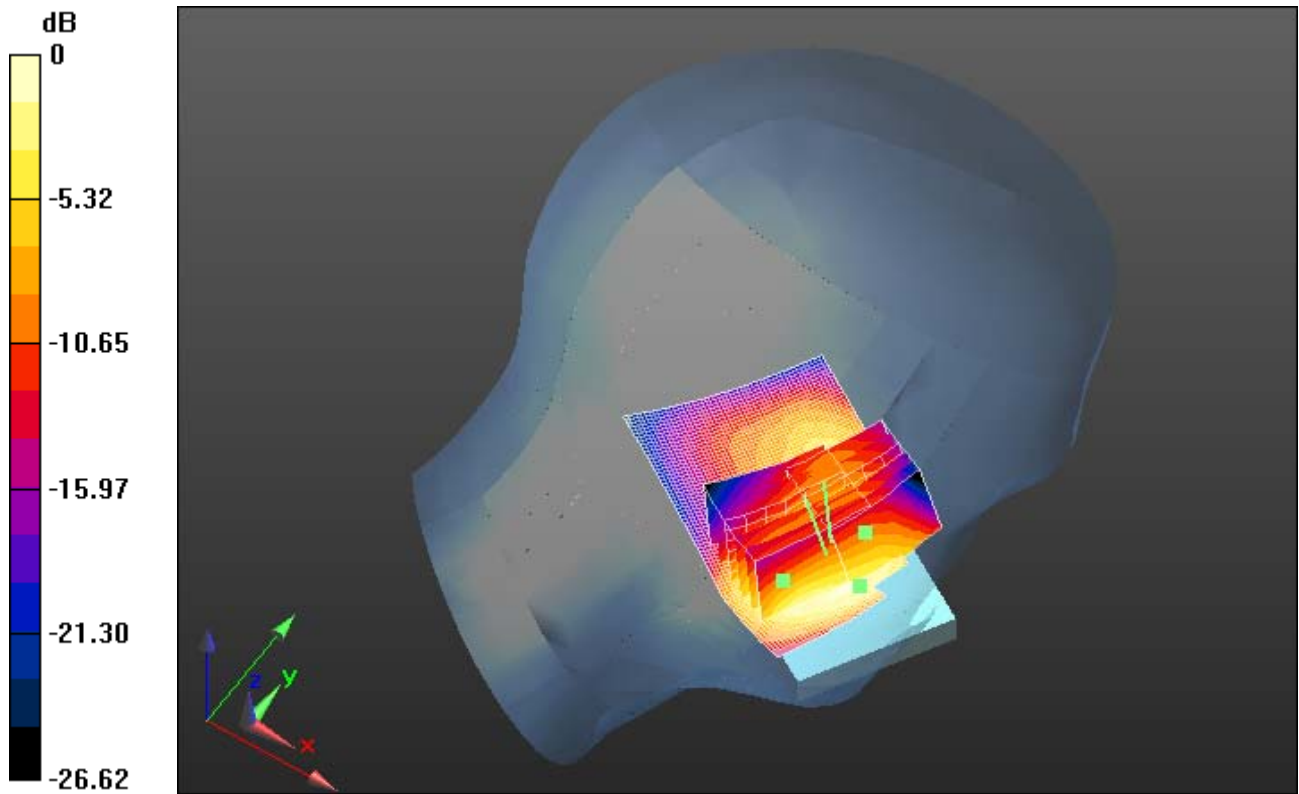
	Document Appendix B1 for the BlackBerry® Smartphone Model REY21CW SAR Report			Page 31(50)
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Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x6x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 10.316 V/m; Power Drift = -0.13 dB
 Peak SAR (extrapolated) = 1.8010
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.748 mW/g

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

Maximum value of SAR (measured) = 1.447 mW/g



0 dB = 1.450mW/g = 3.23 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Date/Time: 2/29/2012 11:40:06 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_CDMA1900_mid_chan_amb_temp_22.9C_liq_temp_2 1.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: CDMA 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.401$ mho/m; $\epsilon_r = 39.977$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.23, 5.23, 5.23); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Tilt position -/Area Scan (51x81x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.804 mW/g

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

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

Reference Value = 17.243 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.9110

SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.691 mW/g

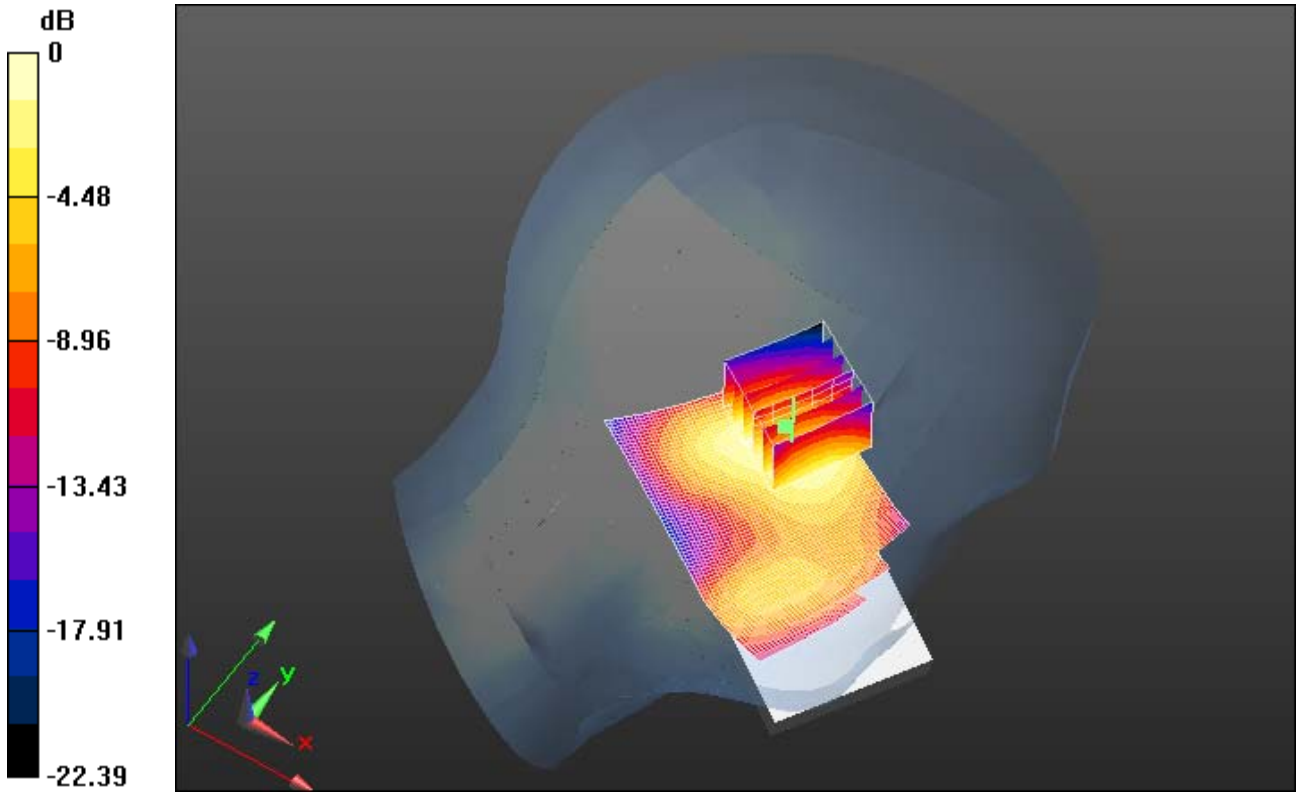
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
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FCC ID:
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IC ID
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0 dB = 0.690mW/g = -3.22 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

Date/Time: 2/23/2012 9:21:25 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_low_chan_amb_temp_22.4C_liq_temp_19.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

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

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.777$ mho/m; $\epsilon_r = 37.668$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.185 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 = 4.455 V/m; Power Drift = 0.42 dB

Peak SAR (extrapolated) = 0.3290

SAR(1 g) = 0.161 mW/g; SAR(10 g) = 0.078 mW/g

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

Maximum value of SAR (measured) = 0.194 mW/g

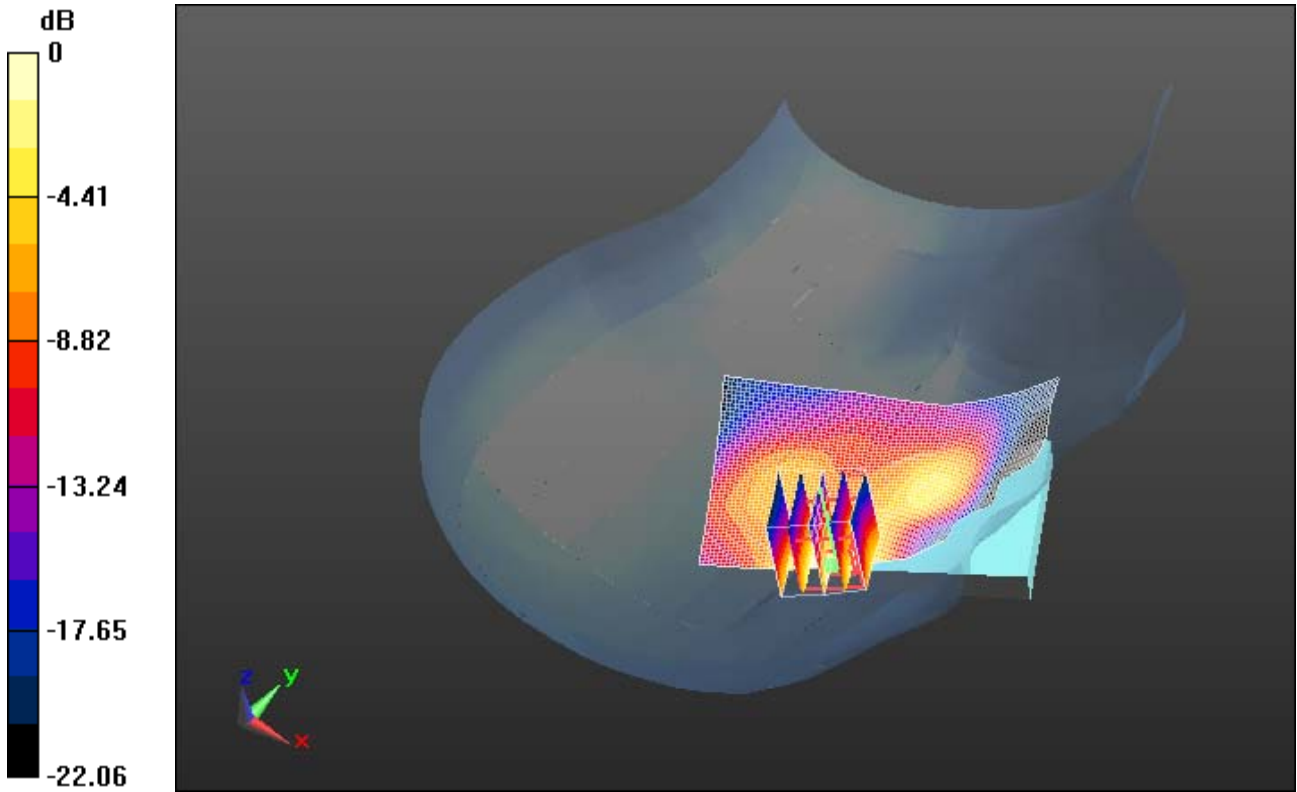
Author Data
Andrew Becker

Dates of Test
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0 dB = 0.190mW/g = -14.42 dB mW/g

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	Author Data Andrew Becker	Dates of Test February 23 – March 6 , 2012	Test Report No RTS-5994-1203-47	FCC ID: L6AREY20CW

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Test Laboratory: RIM Testing Services

RightHandSide_802.11b_mid_chan_amb_temp_22.4C_liq_temp_19.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.803$ mho/m; $\epsilon_r = 37.584$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.166 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 = 4.484 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 0.2830

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.066 mW/g

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

Maximum value of SAR (measured) = 0.178 mW/g

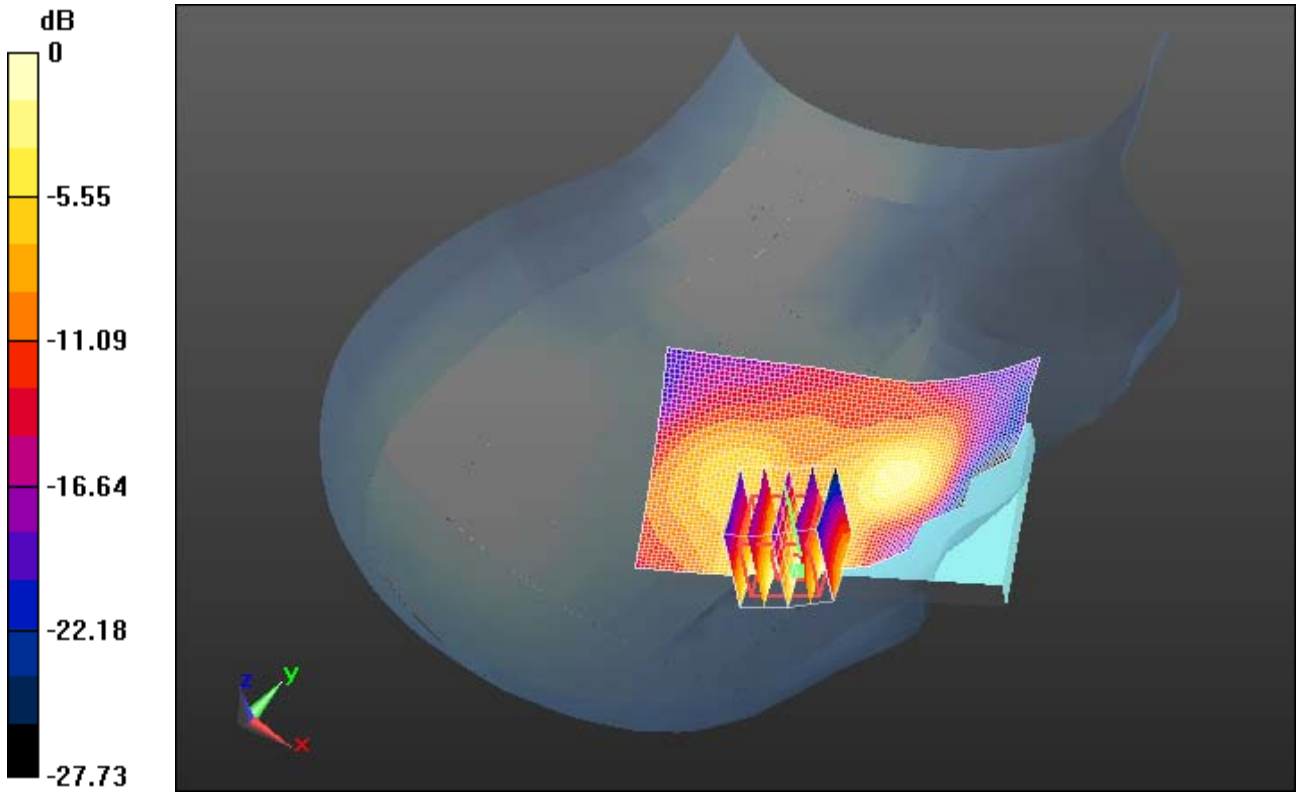
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
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0 dB = 0.180mW/g = -14.89 dB mW/g

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Date/Time: 2/23/2012 9:55:19 PM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_high_chan_amb_temp_22.3C_liq_temp_19.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2462 MHz

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.831$ mho/m; $\epsilon_r = 37.498$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.171 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 = 5.011 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.3070

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.070 mW/g

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

Maximum value of SAR (measured) = 0.194 mW/g

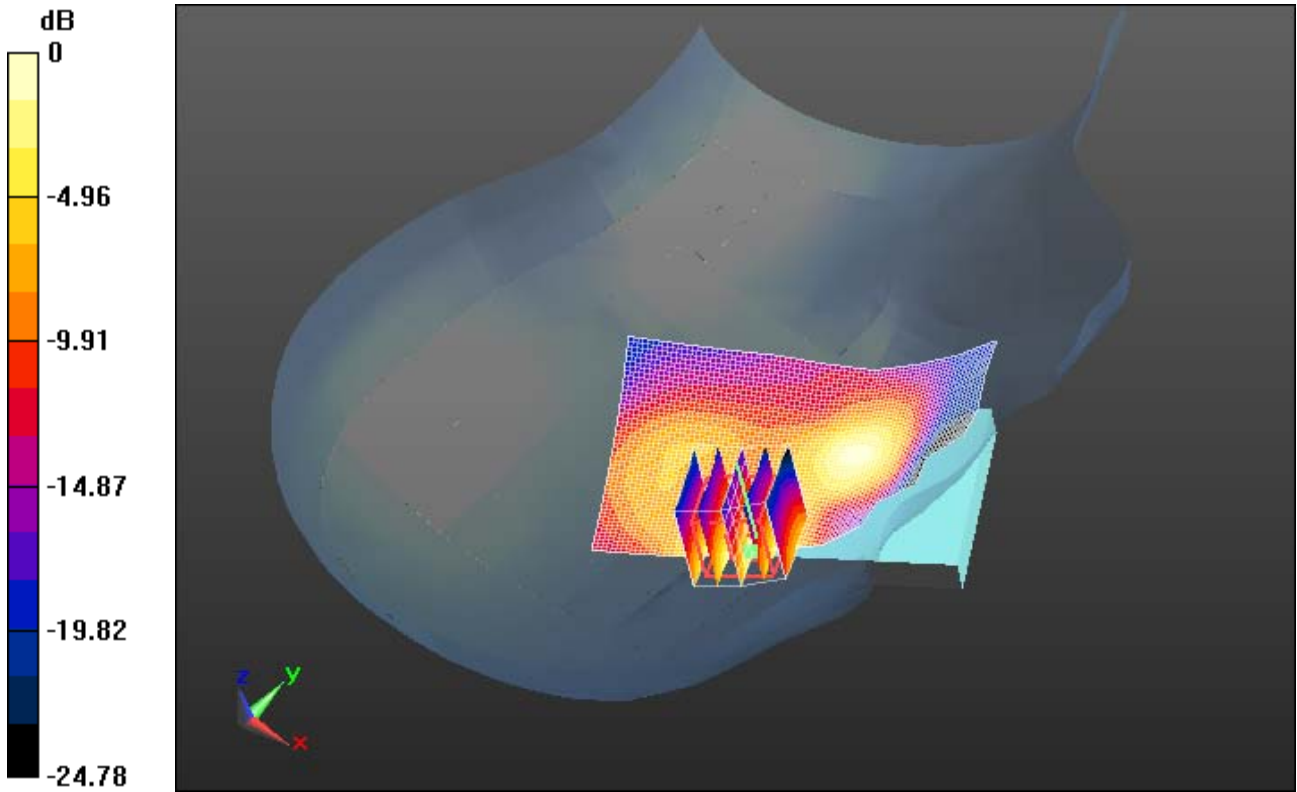
Author Data
Andrew Becker

Dates of Test
February 23 – March 6 , 2012


Test Report No
RTS-5994-1203-47

FCC ID:
L6AREY20CW

IC ID
2503A-REY20CW



0 dB = 0.190mW/g = -14.42 dB mW/g

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Date/Time: 2/23/2012 10:13:15 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_802.11b_low_chan_amb_temp_22.4C_liq_temp_19.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2412 MHz
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.777$ mho/m; $\epsilon_r = 37.668$; $\rho = 1000$ kg/m³
Phantom section: Right Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.093 mW/g

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 6.957 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.1370
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.039 mW/g

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

Maximum value of SAR (measured) = 0.095 mW/g

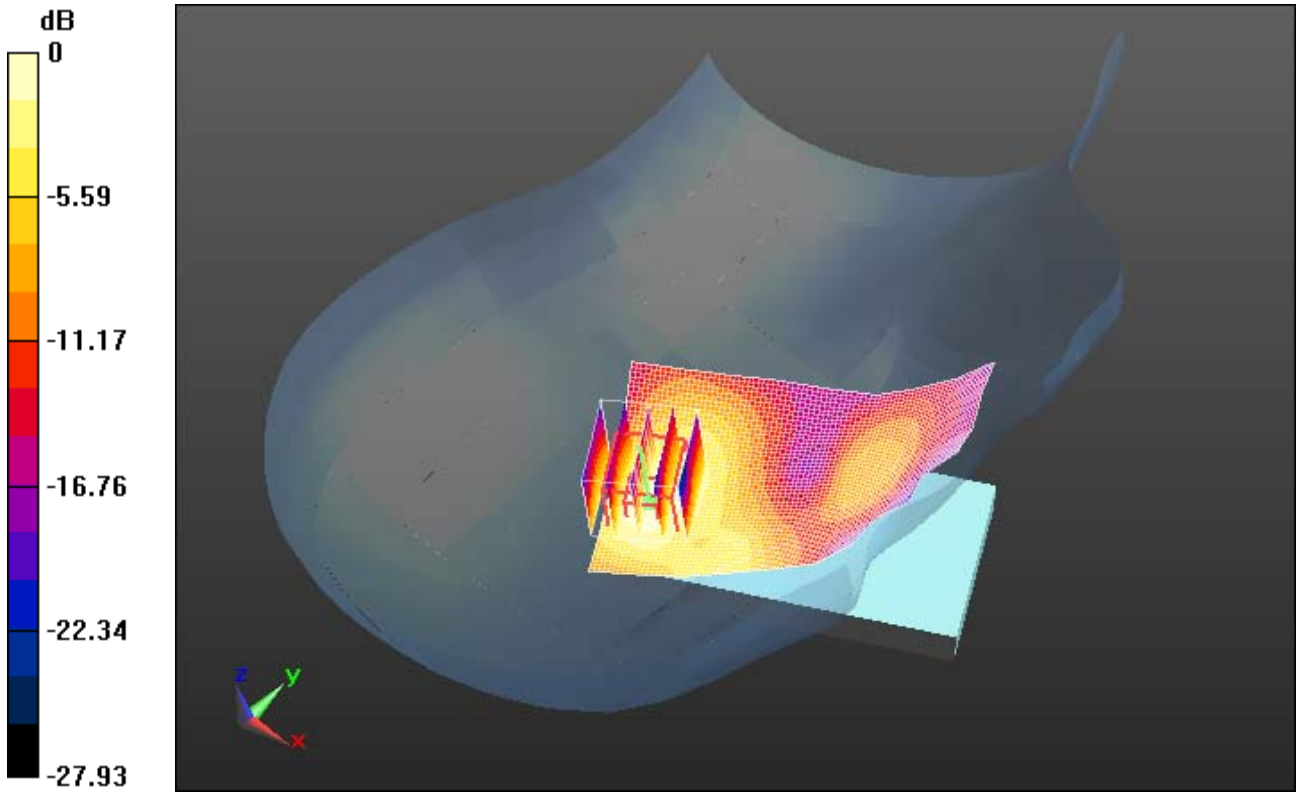
Author Data
Andrew Becker

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Test Report No
RTS-5994-1203-47

FCC ID:
L6AREY20CW

IC ID
2503A-REY20CW



0 dB = 0.100mW/g = -20.00 dB mW/g

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Date/Time: 2/23/2012 8:17:28 PM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_low_chan_amb_temp_22.6C_liq_temp_20.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

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

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.777$ mho/m; $\epsilon_r = 37.668$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.131 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 = 3.967 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.2060

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.046 mW/g

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

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

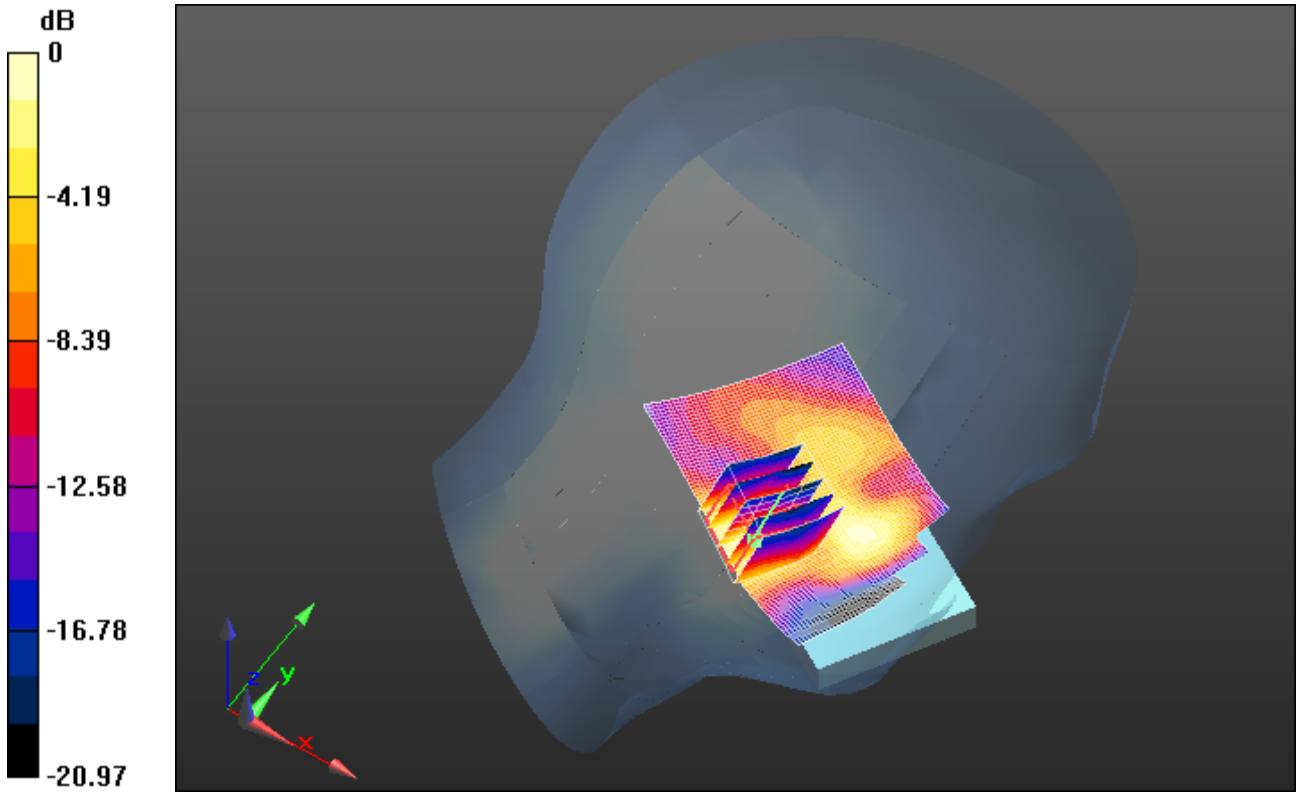
Author Data
Andrew Becker

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0 dB = 0.130mW/g = -17.72 dB mW/g

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Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_mid_chan_amb_temp_22.4C_liq_temp_20.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.803$ mho/m; $\epsilon_r = 37.584$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.219 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 = 5.772 V/m; Power Drift = 0.29 dB

Peak SAR (extrapolated) = 0.3600

SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.081 mW/g

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

Maximum value of SAR (measured) = 0.205 mW/g

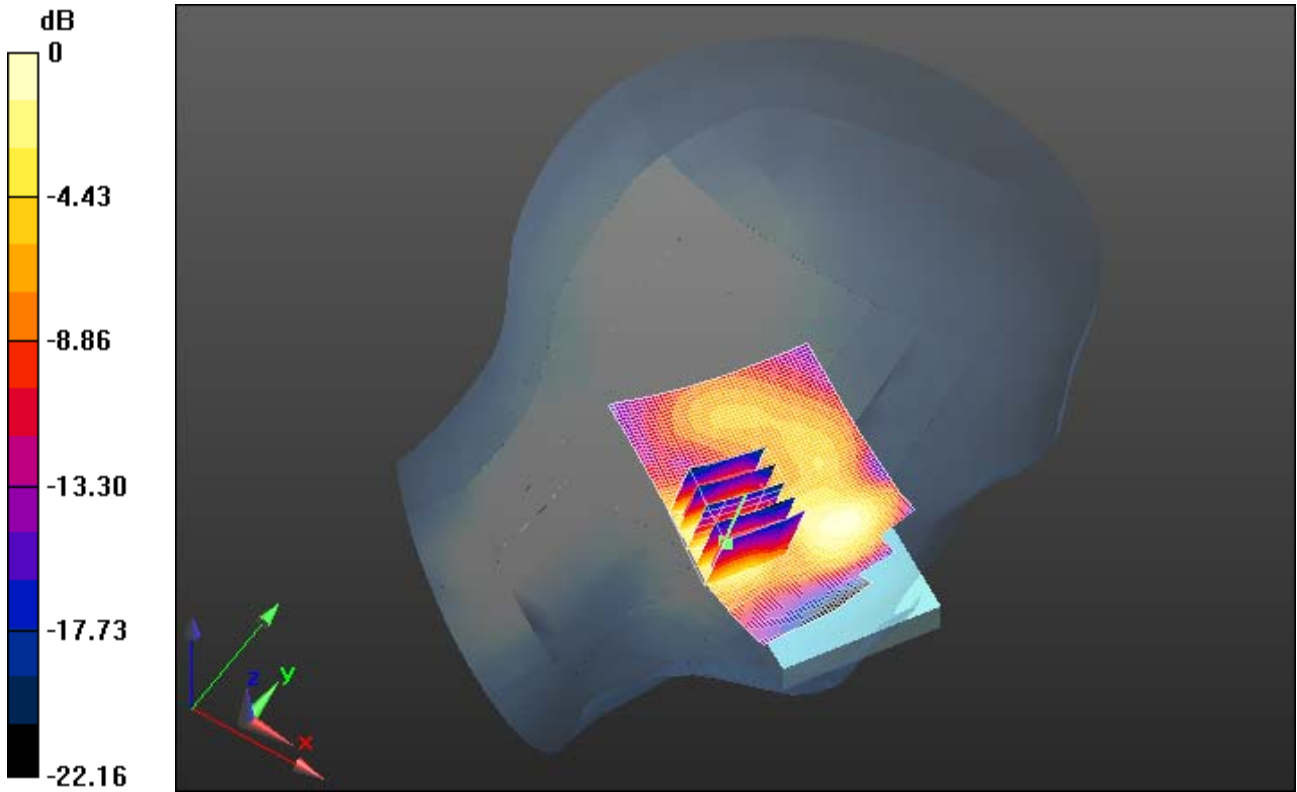
Author Data
Andrew Becker

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0 dB = 0.200mW/g = -13.98 dB mW/g

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Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_22.4C_liq_temp_20.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2462 MHz

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.831$ mho/m; $\epsilon_r = 37.498$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.143 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 = 4.405 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.2200

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.052 mW/g

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

Maximum value of SAR (measured) = 0.136 mW/g

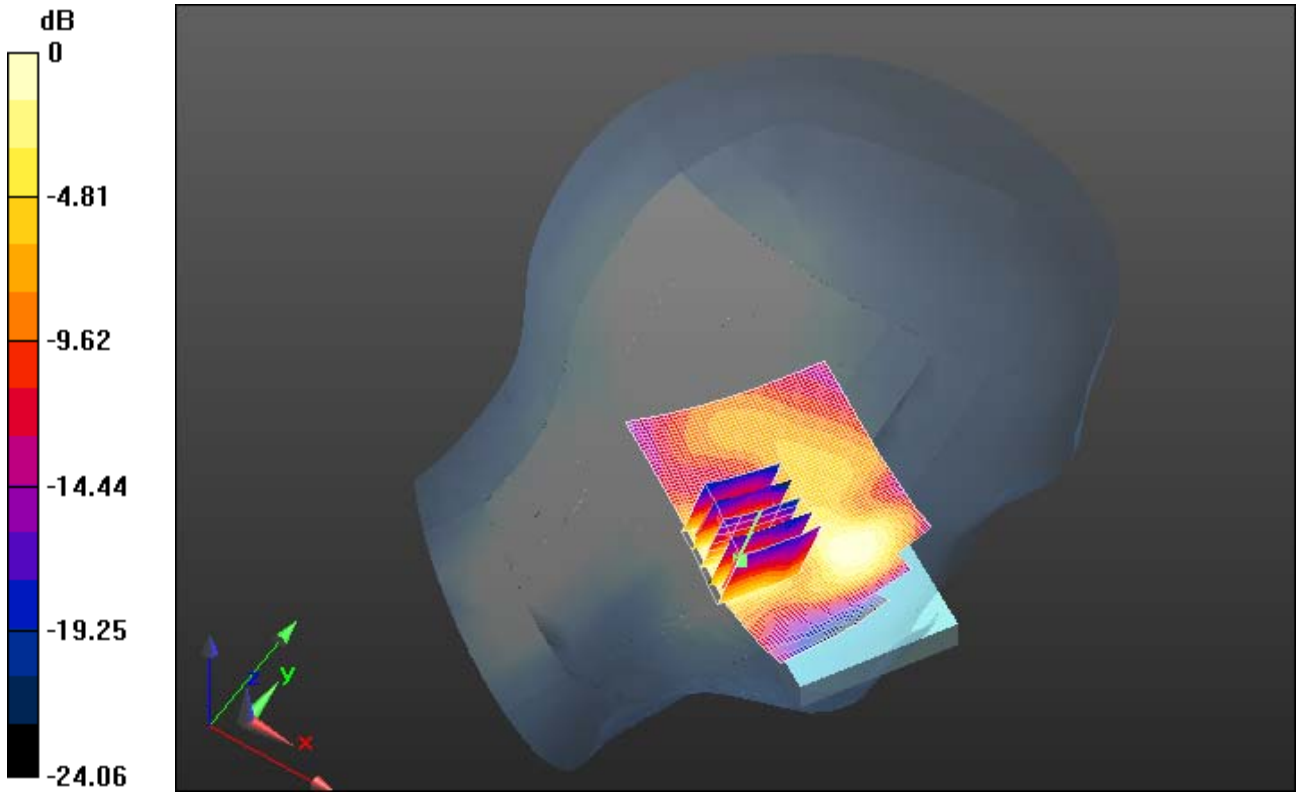
Author Data
Andrew Becker

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0 dB = 0.140mW/g = -17.08 dB mW/g

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Date/Time: 2/23/2012 8:53:01 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_mid_chan_amb_temp_22.4C_liq_temp_20.0

C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 297DF9E4

Communication System: 802.11 b (2450); Frequency: 2437 MHz

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.803$ mho/m; $\epsilon_r = 37.584$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.5, 4.5, 4.5); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

Maximum value of SAR (interpolated) = 0.050 mW/g

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

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

Reference Value = 5.523 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0740

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.021 mW/g

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

Maximum value of SAR (measured) = 0.050 mW/g

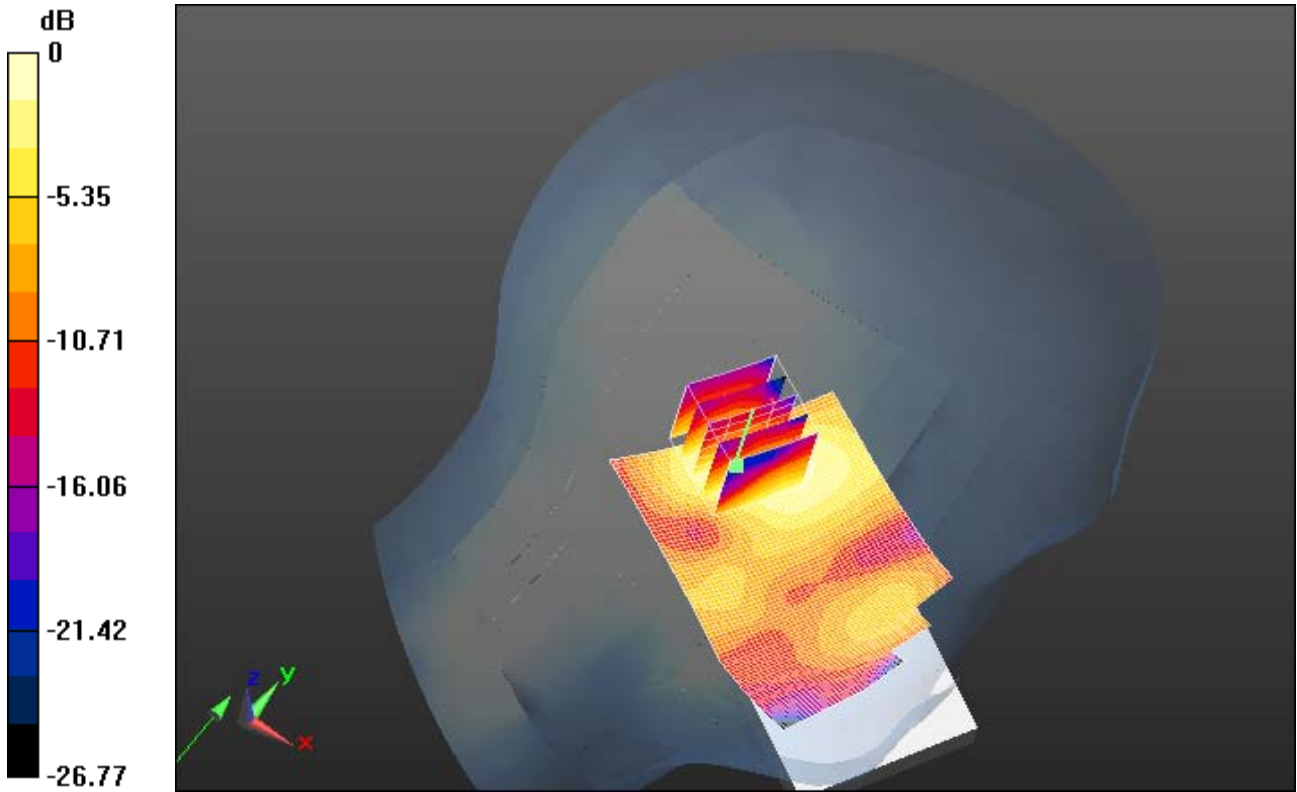
Author Data
Andrew Becker

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0 dB = 0.050mW/g = -26.02 dB mW/g

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Z axis plot for the worst case head configuration

