
	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 1(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

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Date/Time: 7/16/2012 2:51:47 PM

Test Laboratory: RIM Testing Services

**RightHandSide_EDGE850_low_chan_amb_temp_23.4C_liq_temp_22.9
C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz
Medium parameters used: $f = 825$ MHz; $\sigma = 0.888$ mho/m; $\epsilon_r = 42.894$; $\rho = 1000$ 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) = 0.900 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 = 14.729 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 1.0640
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.604 mW/g
Maximum value of SAR (measured) = 0.918 mW/g

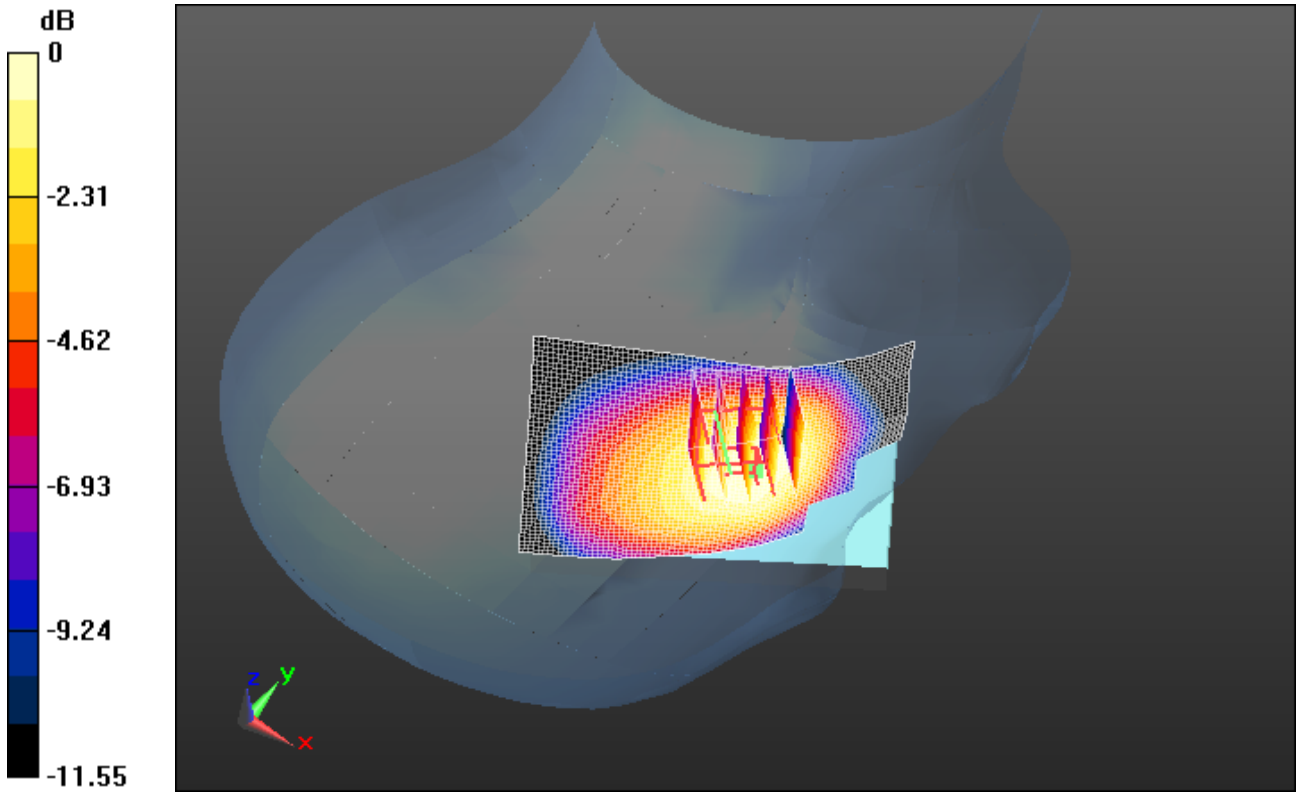
Author Data
Andrew Becker

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0 dB = 0.920mW/g = -0.72 dB mW/g

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Date/Time: 7/16/2012 2:32:14 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_mid_chan_amb_temp_23.8C_liq_temp_22.9

C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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) = 1.028 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 = 15.506 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.2360
SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.682 mW/g

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

Maximum value of SAR (measured) = 1.045 mW/g

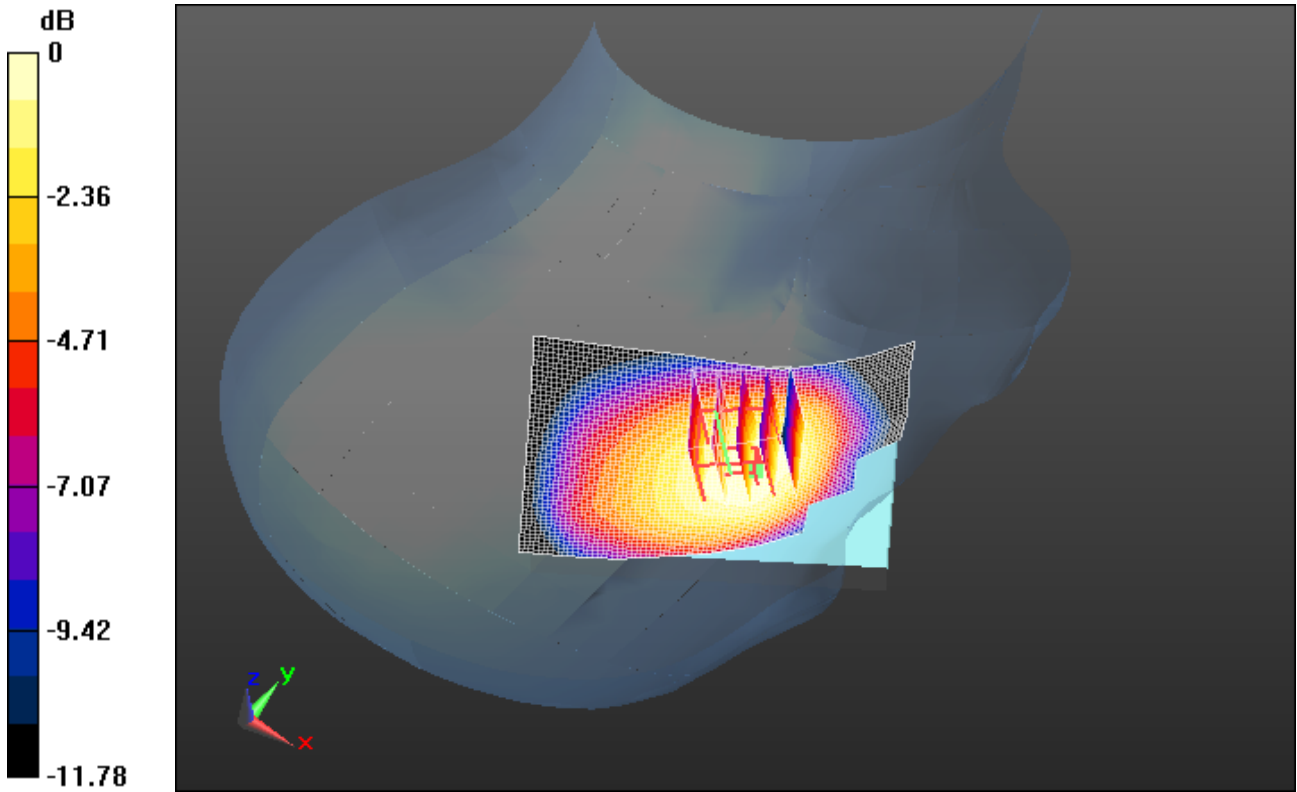
Author Data
Andrew Becker

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

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Date/Time: 7/16/2012 3:41:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE850_high_chan_amb_temp_23.2C_liq_temp_22.9 C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 42.837$; $\rho = 1000$ 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) = 1.308 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 = 16.454 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.5820
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.867 mW/g

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

Maximum value of SAR (measured) = 1.374 mW/g

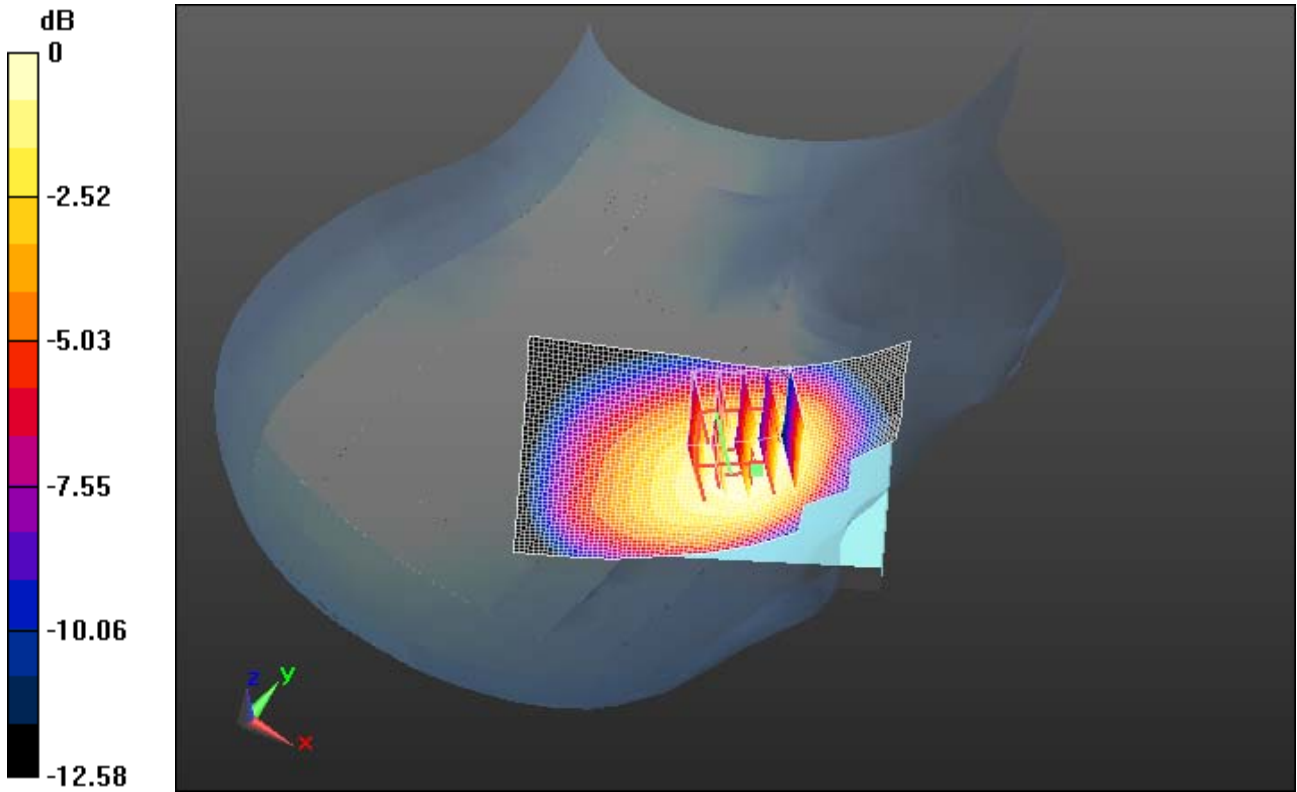
Author Data
Andrew Becker

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0 dB = 1.370mW/g = 2.73 dB mW/g

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Date/Time: 7/16/2012 5:46:53 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.7C_liq_temp_2 2.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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:
 $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.600 mW/g

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 20.102 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.6910
SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.412 mW/g

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

Maximum value of SAR (measured) = 0.600 mW/g

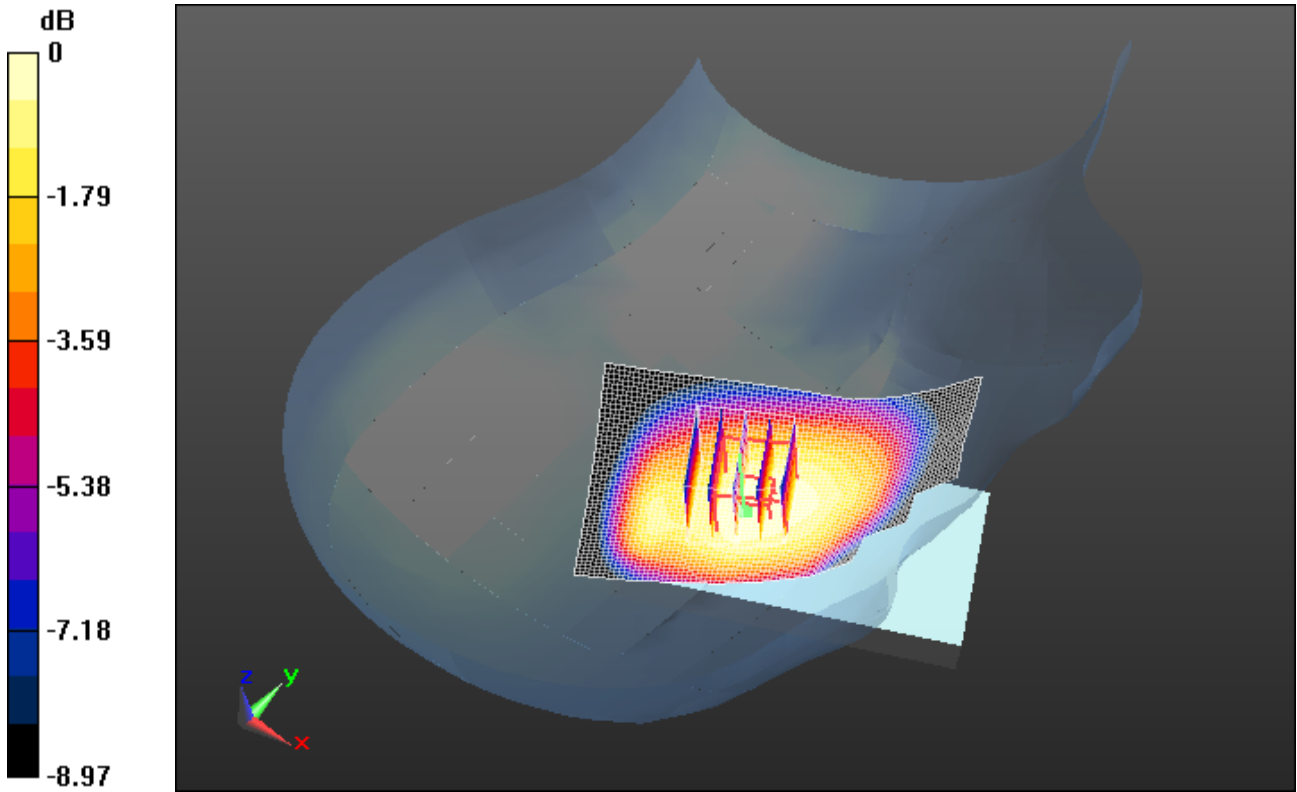
Author Data
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0 dB = 0.600mW/g = -4.44 dB mW/g

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Date/Time: 7/16/2012 4:00:44 PM

Test Laboratory: RIM Testing Services

RightHandSide_GSM850_high_chan_amb_temp_23.2C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 42.837$; $\rho = 1000$ 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) = 1.069 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 = 14.933 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.3190

SAR(1 g) = 1 mW/g; SAR(10 g) = 0.715 mW/g

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

Maximum value of SAR (measured) = 1.117 mW/g

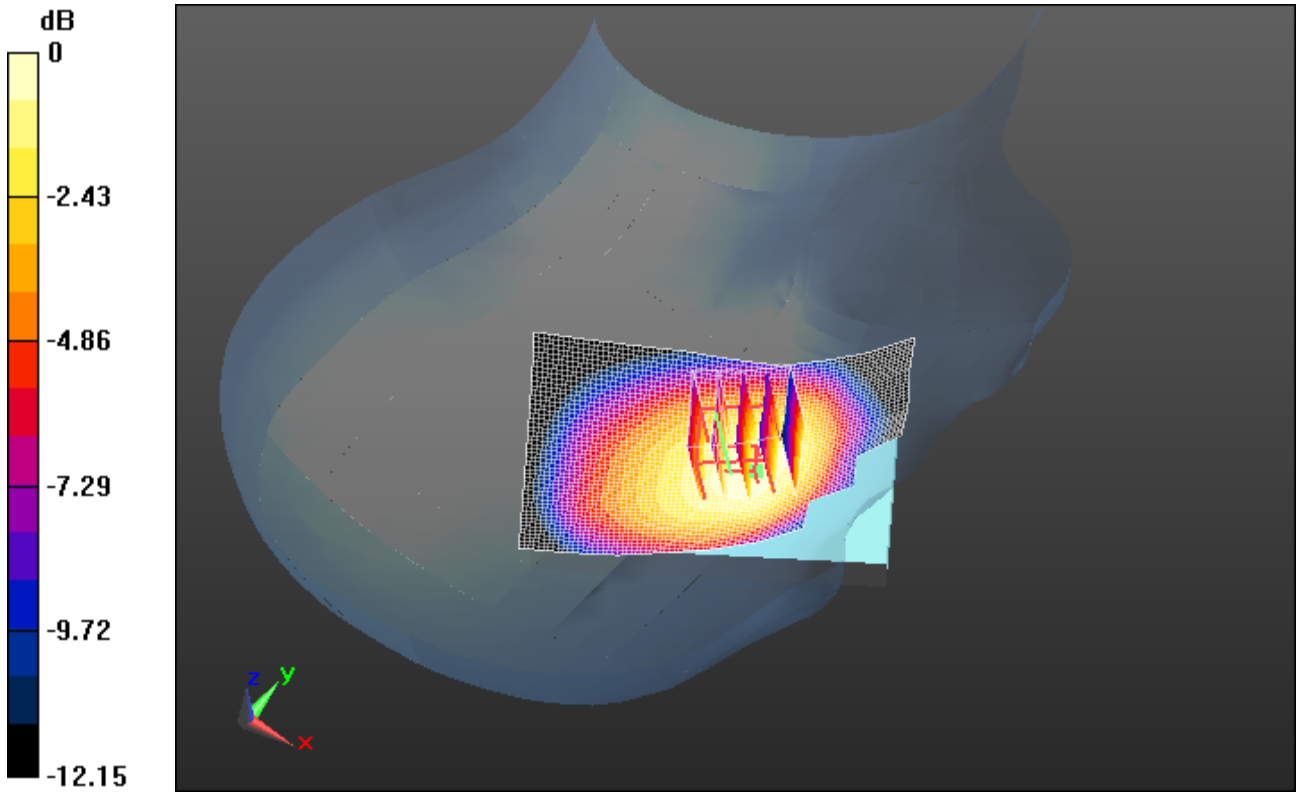
Author Data
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0 dB = 1.120mW/g = 0.98 dB mW/g

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Date/Time: 7/16/2012 11:20:09 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_low_chan_amb_temp_24.0C_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz
Medium parameters used: $f = 825$ MHz; $\sigma = 0.888$ mho/m; $\epsilon_r = 42.894$; $\rho = 1000$ 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 (51x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.831 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 = 13.166 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.9630

SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.530 mW/g

Maximum value of SAR (measured) = 0.817 mW/g

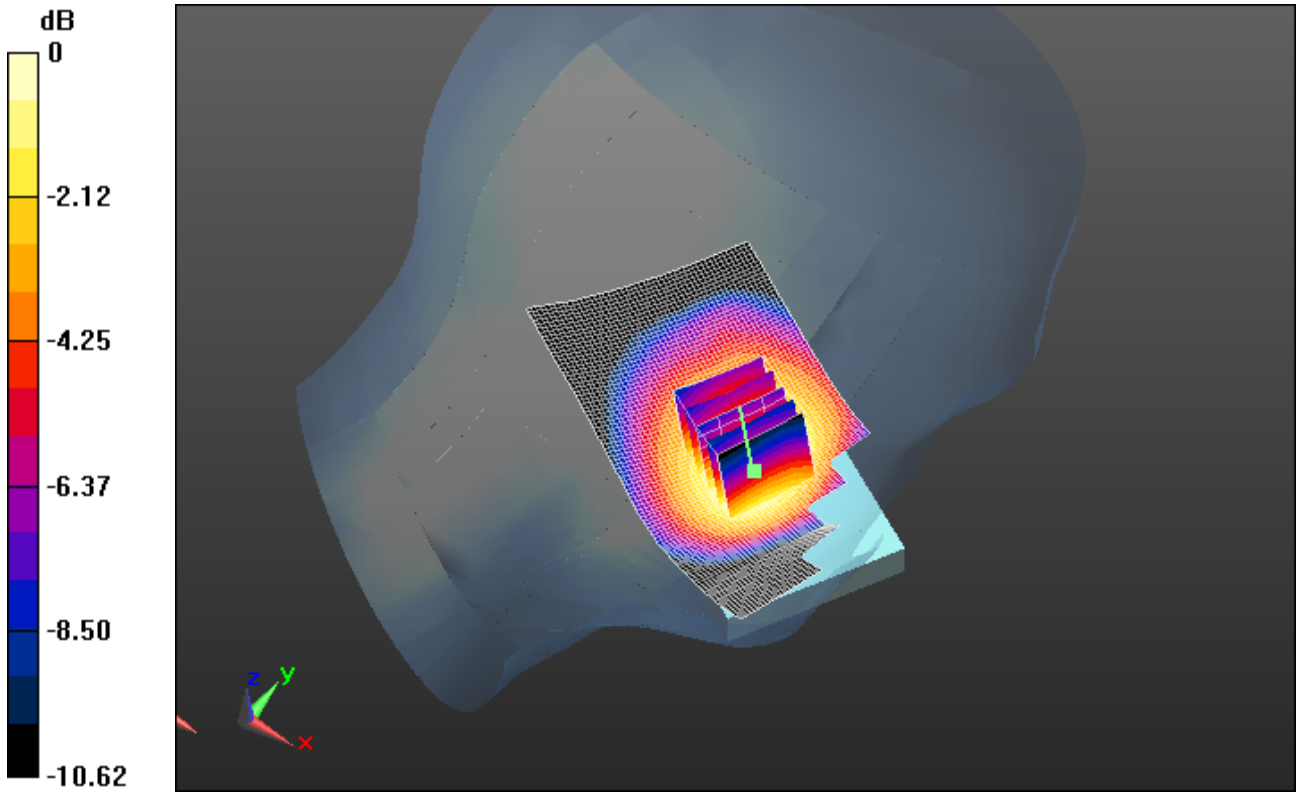
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0 dB = 0.820mW/g = -1.72 dB mW/g

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Date/Time: 7/16/2012 10:54:37 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_mid_chan_amb_temp_23.7C_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.955 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 = 13.506 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.1160

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.606 mW/g

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

Maximum value of SAR (measured) = 0.939 mW/g

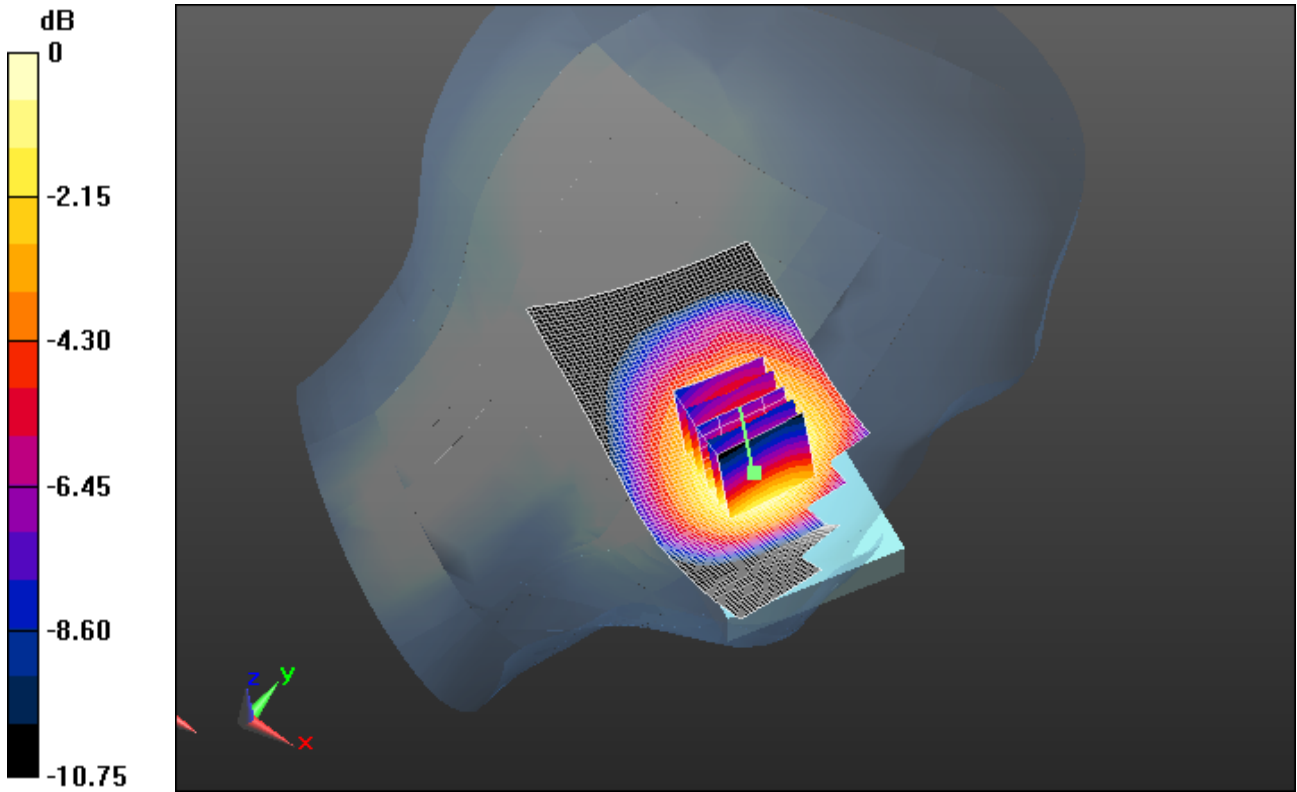
Author Data
Andrew Becker

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0 dB = 0.940mW/g = -0.54 dB mW/g

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Date/Time: 7/16/2012 11:49:54 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE850_high_chan_amb_temp_24.0C_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz
Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 42.837$; $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.167 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 = 13.798 V/m; Power Drift = -0.0033 dB

Peak SAR (extrapolated) = 1.3340

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.730 mW/g

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

Maximum value of SAR (measured) = 1.159 mW/g

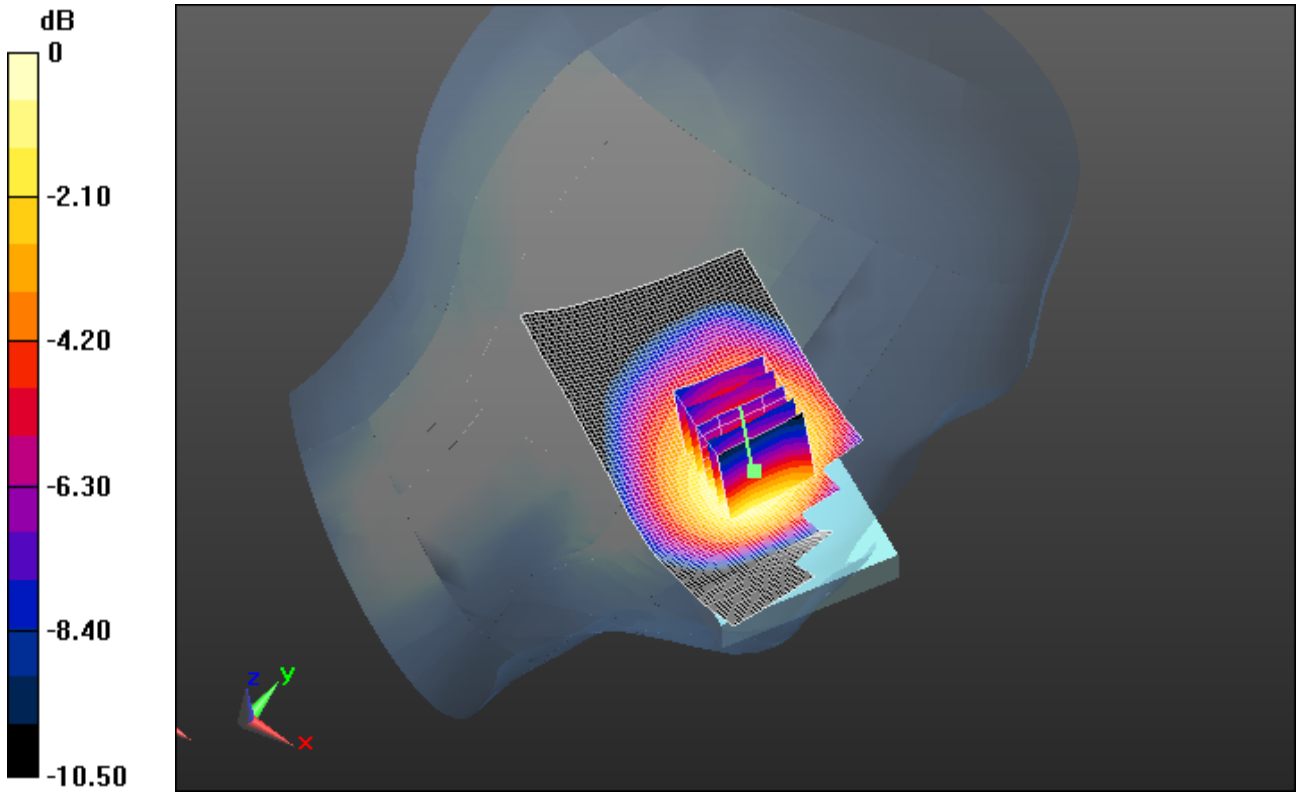
Author Data
Andrew Becker

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

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Date/Time: 7/16/2012 1:44:15 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE850_mid_chan_amb_temp_23.4C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz
Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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) = 0.628 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 = 20.656 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.7050
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.426 mW/g

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

Maximum value of SAR (measured) = 0.623 mW/g

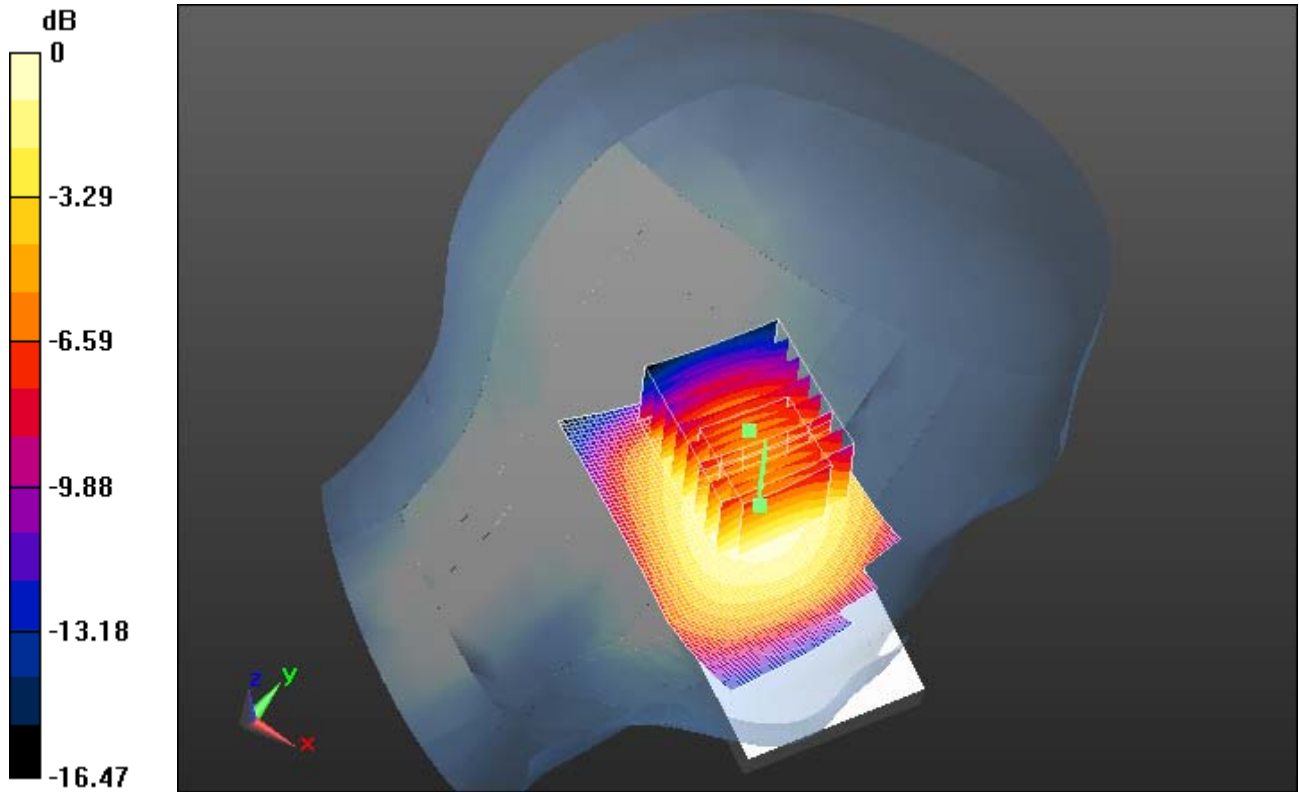
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Configuration/Tilt position -/Zoom Scan 2 (5x5x7) (7x8x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 20.656 V/m; Power Drift = -0.02 dB
 Peak SAR (extrapolated) = 0.7300
SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.429 mW/g

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

Maximum value of SAR (measured) = 0.631 mW/g



0 dB = 0.630mW/g = -4.01 dB mW/g

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Date/Time: 7/16/2012 12:24:13 PM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM850_high_chan_amb_temp_24.0C_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 42.837$; $\rho = 1000$ 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 (51x101x1): Measurement grid:
dx=15mm, dy=15mm

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

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

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

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

Reference Value = 12.675 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.0360

SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.575 mW/g

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

Maximum value of SAR (measured) = 0.898 mW/g

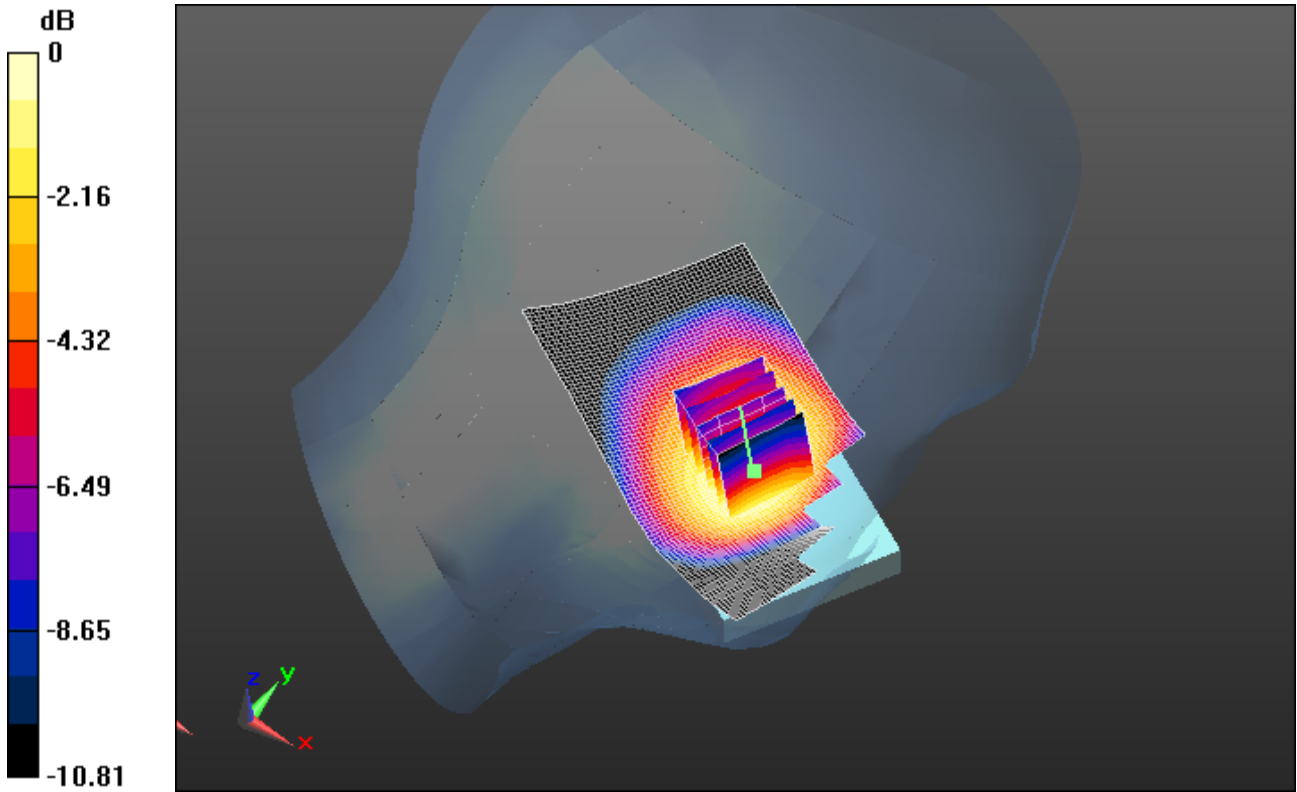
Author Data
Andrew Becker

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0 dB = 0.900mW/g = -0.92 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/16/2012 4:30:42 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_V_low_chan_amb_temp_23.5C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 826.4 MHz

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 42.89$; $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.823 mW/g

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

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

Reference Value = 13.369 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.9850

SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.549 mW/g

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

Maximum value of SAR (measured) = 0.851 mW/g

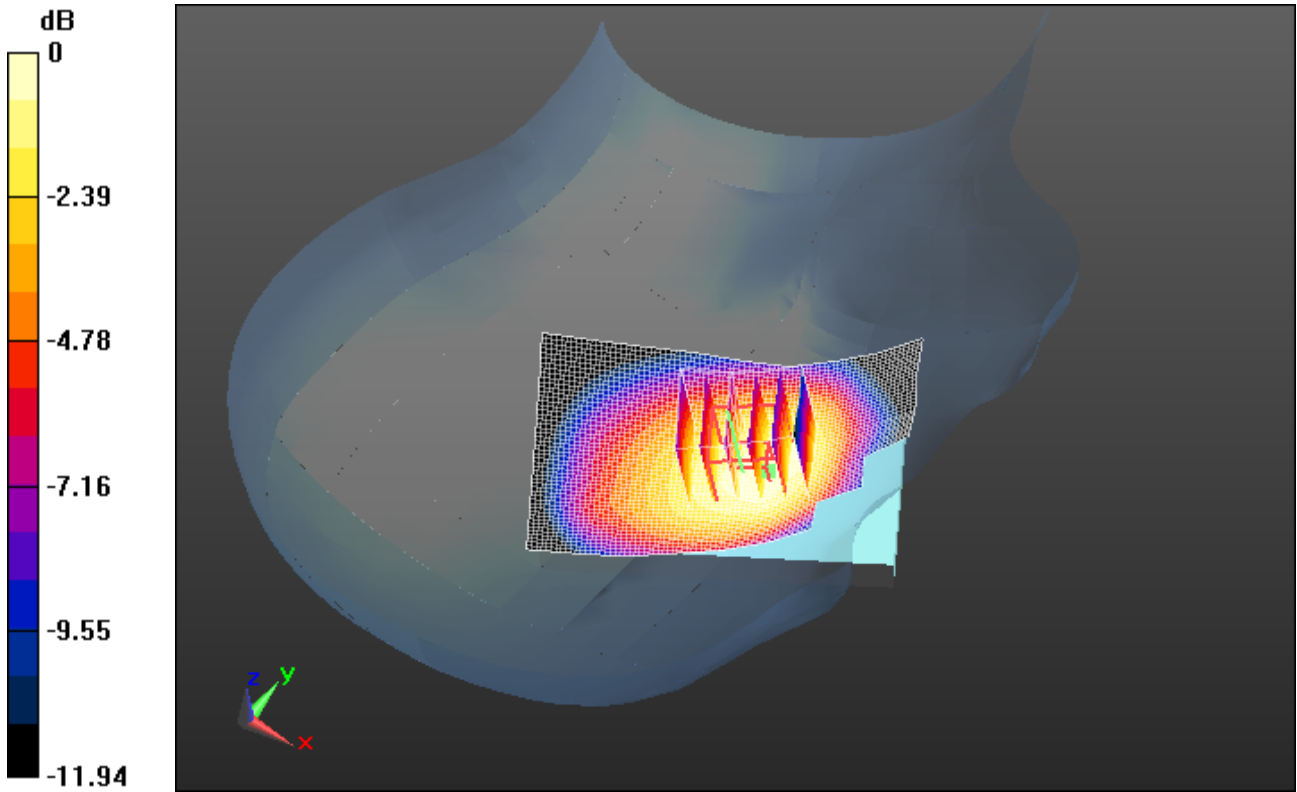
Author Data
Andrew Becker

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Test Report No
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FCC ID:
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IC ID
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0 dB = 0.850mW/g = -1.41 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/16/2012 4:16:08 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_V_mid_chan_amb_temp_23.4C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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) = 1.025 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 = 14.813 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.2050
SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.680 mW/g

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

Maximum value of SAR (measured) = 1.034 mW/g

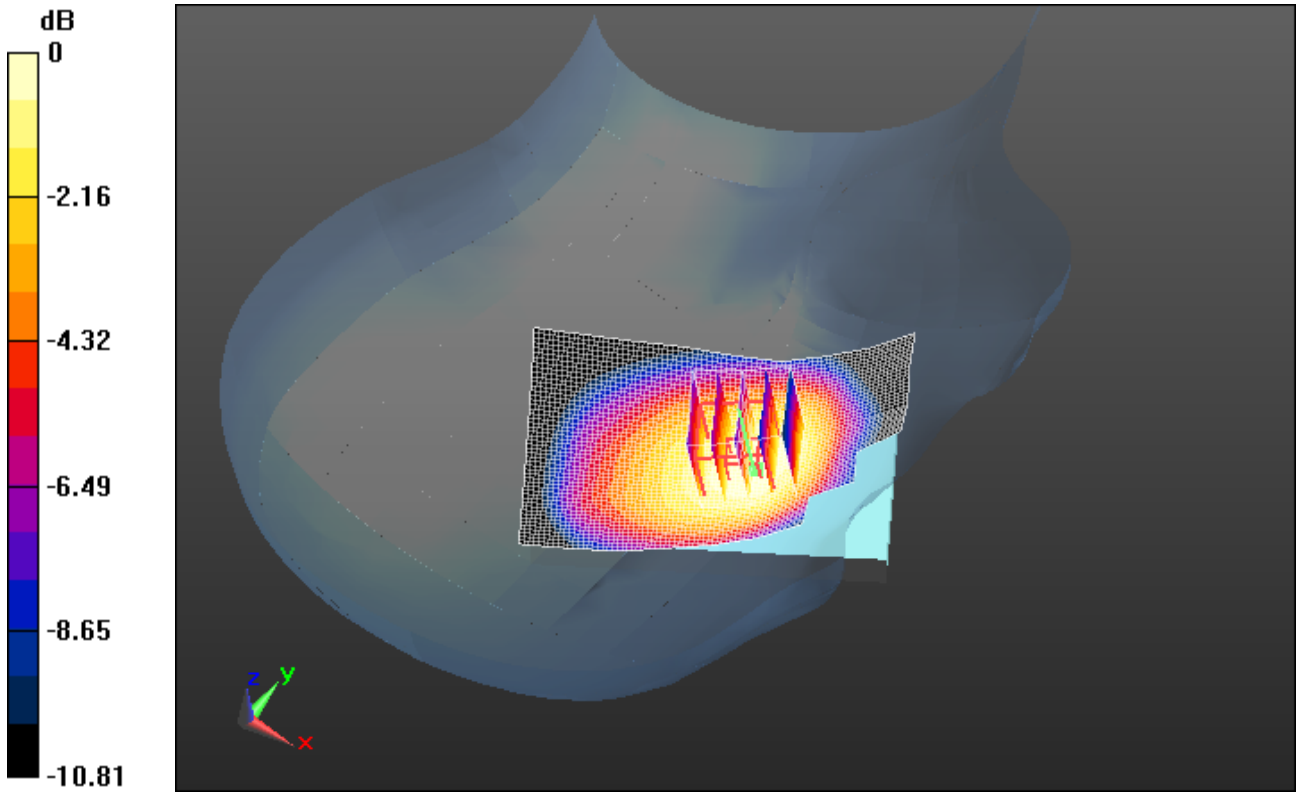
Author Data
Andrew Becker

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0 dB = 1.030mW/g = 0.26 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/16/2012 4:45:54 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_V_high_chan_amb_temp_23.9C_liq_temp_22.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.921$ mho/m; $\epsilon_r = 42.835$; $\rho = 1000$ 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) = 1.129 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 = 15.404 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.3470
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.750 mW/g

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

Maximum value of SAR (measured) = 1.165 mW/g

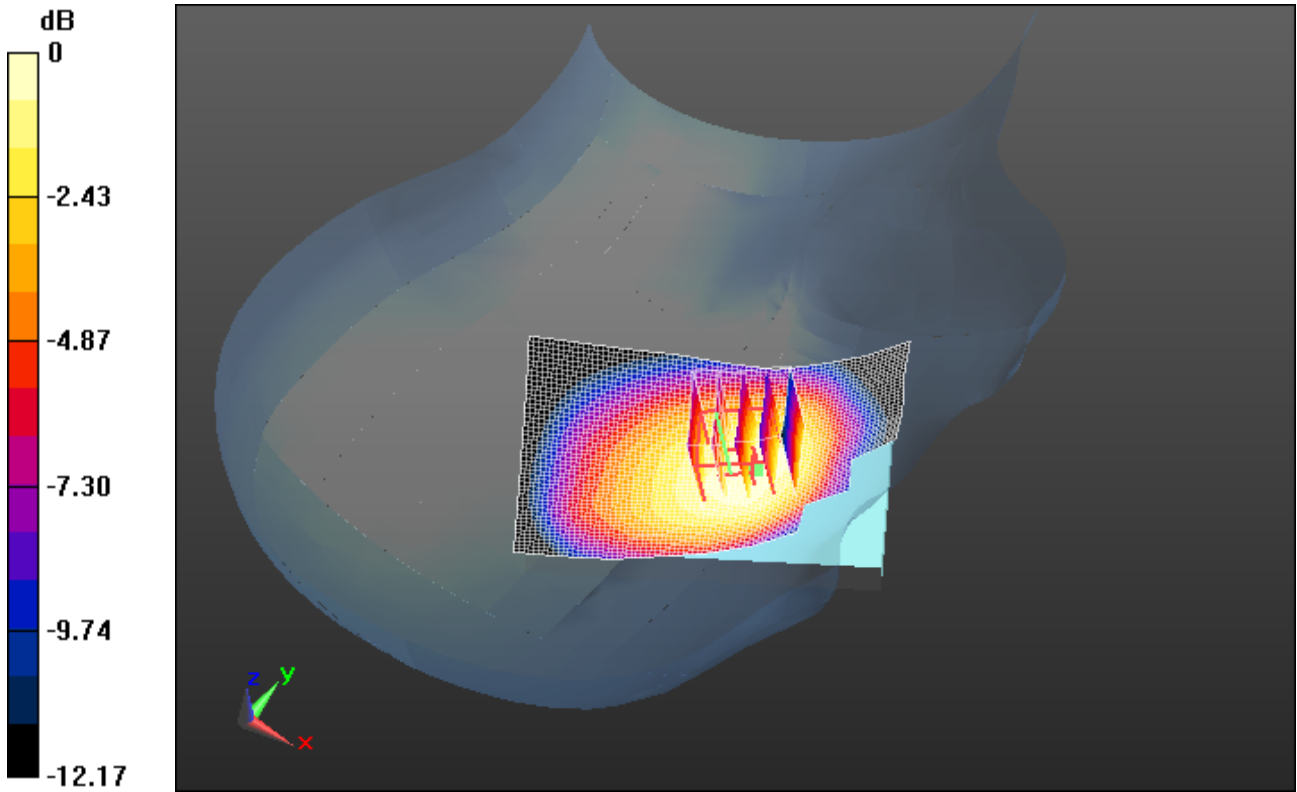
Author Data
Andrew Becker

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0 dB = 1.170mW/g = 1.36 dB mW/g

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Date/Time: 7/16/2012 5:01:06 PM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_23.9C_liq_tem
p_22.8C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ 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) = 0.562 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 = 19.537 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.6450
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.388 mW/g

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

Maximum value of SAR (measured) = 0.564 mW/g

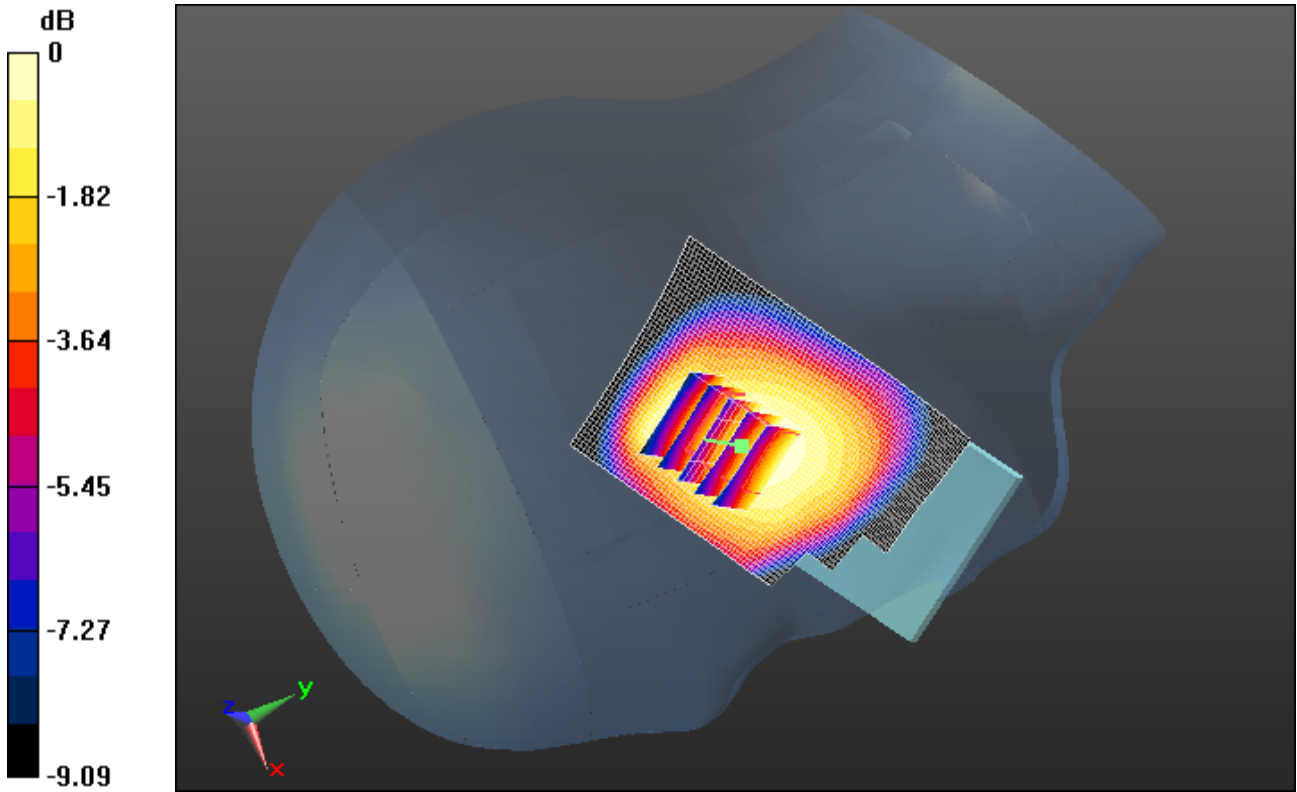
Author Data
Andrew Becker

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0 dB = 0.560mW/g = -5.04 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 4:51:29 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_low_chan_amb_temp_23.4C_liq_temp_2 2.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 826.4 MHz
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 42.256$; $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.747 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 = 10.600 V/m; Power Drift = -0.0066 dB
Peak SAR (extrapolated) = 0.8620
SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.473 mW/g

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

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

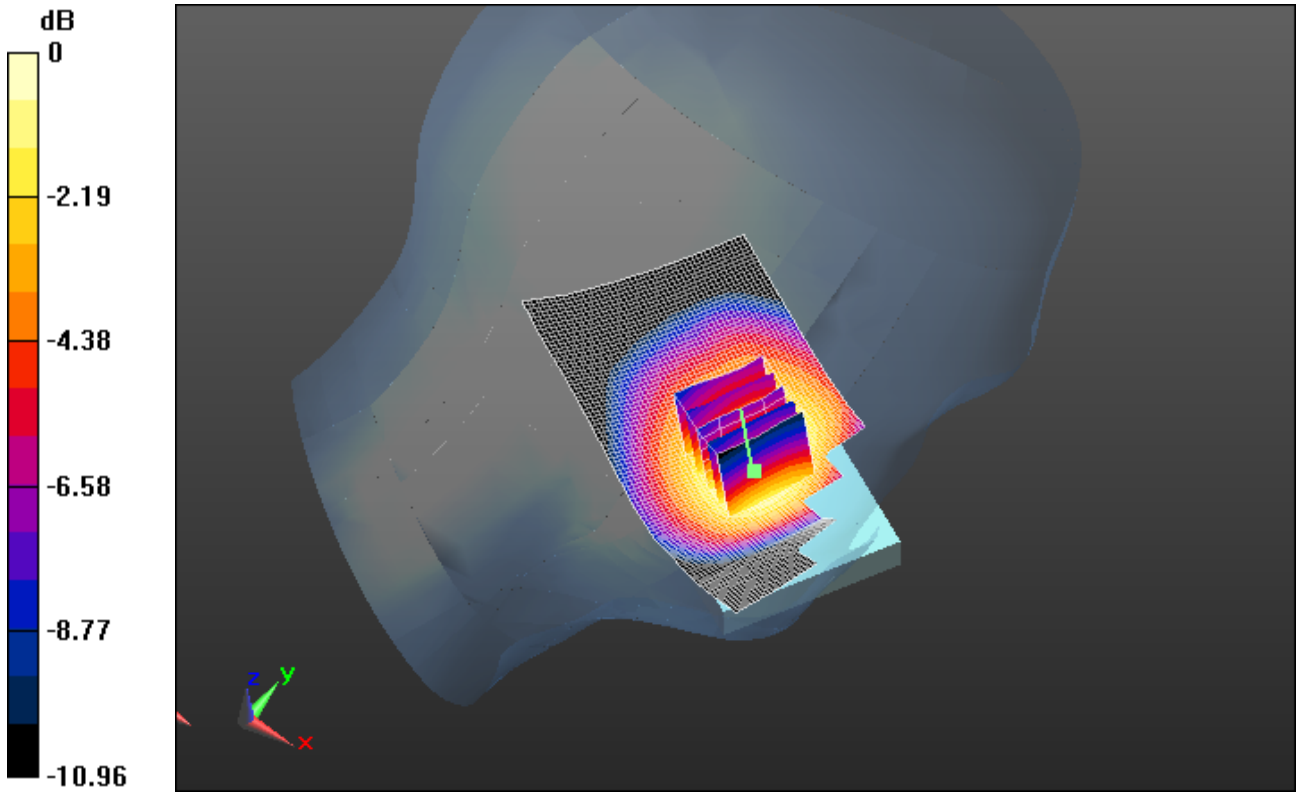
Author Data
Andrew Becker

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0 dB = 0.740mW/g = -2.62 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 4:35:12 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_mid_chan_amb_temp_23.4C_liq_temp_2 2.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.903$ mho/m; $\epsilon_r = 42.132$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS5 (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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.948 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 = 11.940 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.0930
SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.610 mW/g

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

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

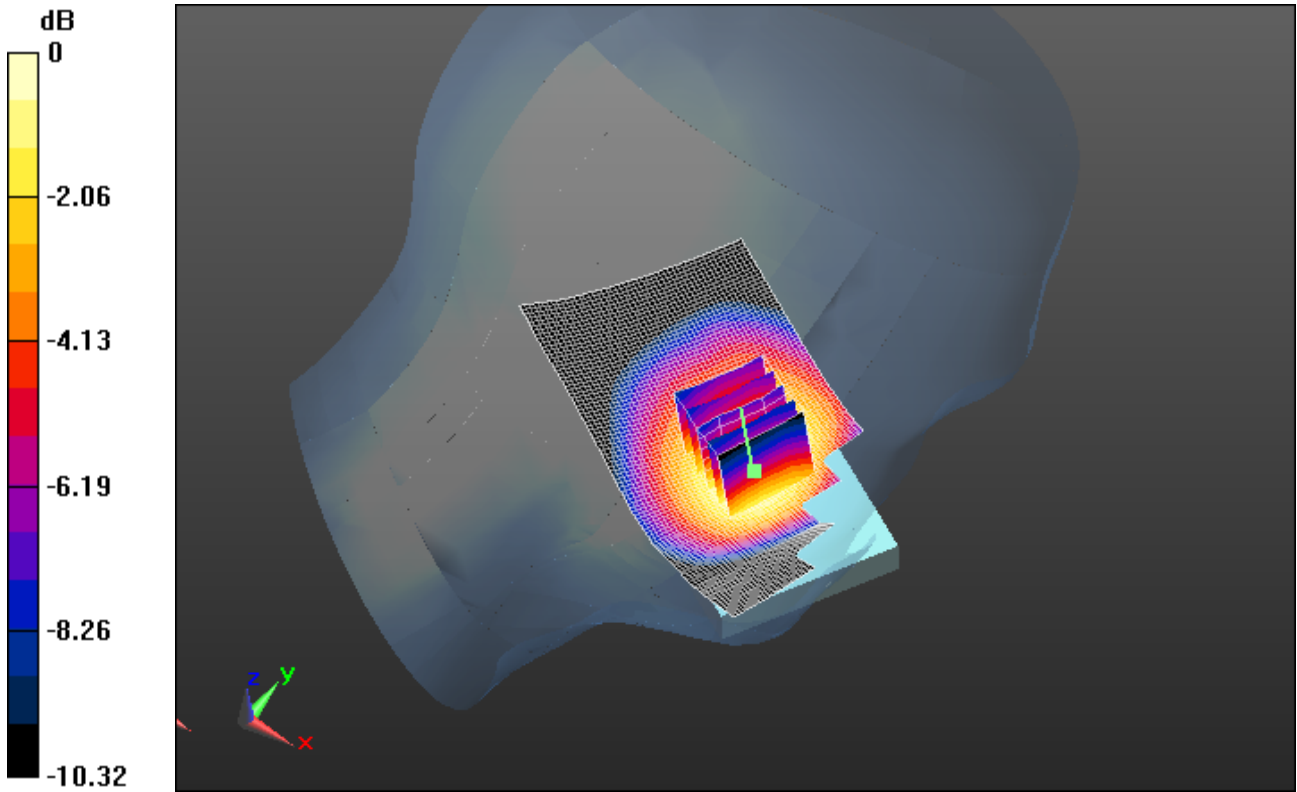
Author Data
Andrew Becker

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0 dB = 0.960mW/g = -0.35 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/13/2012 5:24:11 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_band_V_high_chan_amb_temp_23.4C_liq_temp_2 2.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 846.6 MHz
Medium parameters used (interpolated): $f = 846.6$ MHz; $\sigma = 0.914$ mho/m; $\epsilon_r = 42.034$; $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.023 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 = 12.321 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.1660
SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.647 mW/g

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

Maximum value of SAR (measured) = 1.018 mW/g

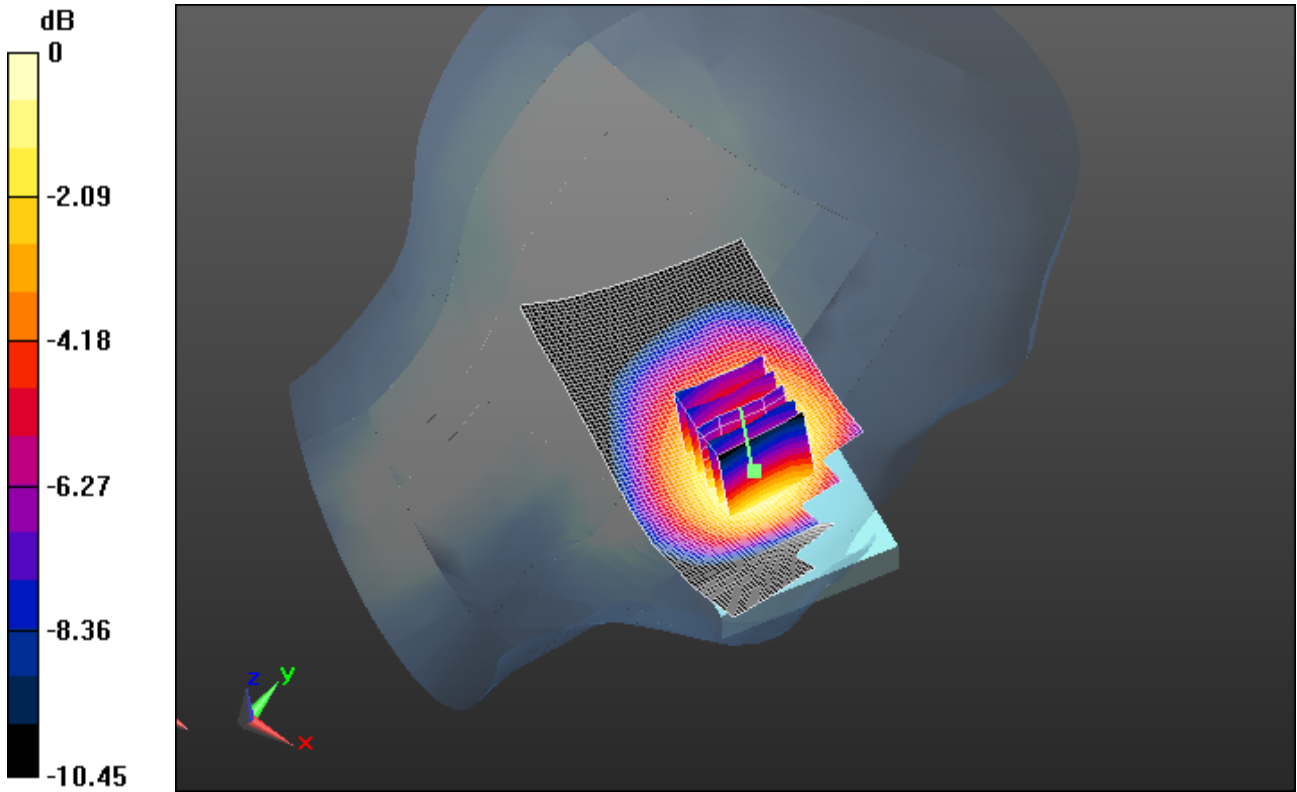
Author Data
Andrew Becker

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Test Report No
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0 dB = 1.020mW/g = 0.17 dB mW/g

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Date/Time: 7/16/2012 12:54:53 PM

Test Laboratory: RIM Testing Services

**LeftHandSide_Tilt_UMTS_band_V_mid_chan_amb_temp_23.7C_liq_tem
p_23.0C**

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD V; Frequency: 836.4 MHz
Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.874$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASYS5 (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:
 $dx=15\text{mm}$, $dy=15\text{mm}$

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


Maximum value of SAR (interpolated) = 0.617 mW/g

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

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 20.224 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.7040
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.424 mW/g

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

Maximum value of SAR (measured) = 0.623 mW/g

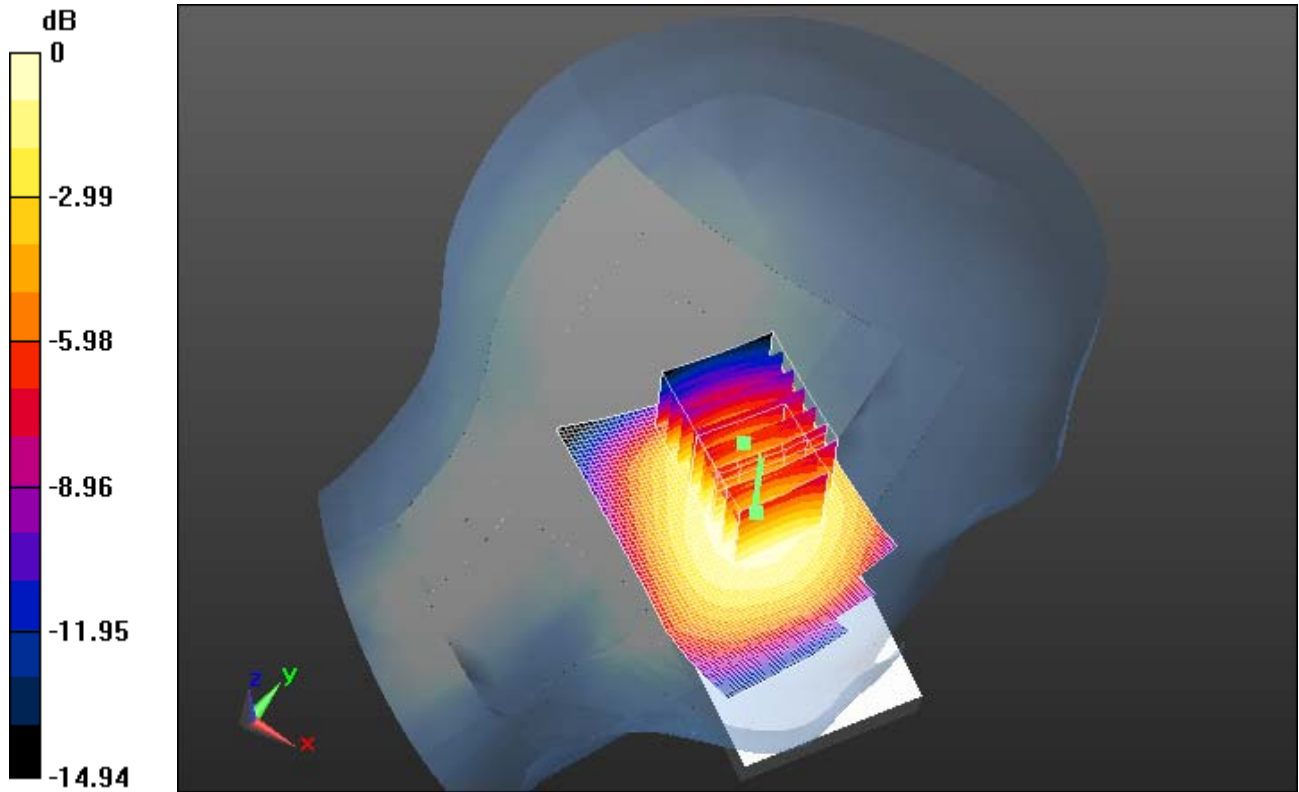
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Configuration/Tilt position -/Zoom Scan 2 (5x5x7) (6x7x7)/Cube 0:


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 20.224 V/m; Power Drift = 0.03 dB
 Peak SAR (extrapolated) = 0.7130
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.415 mW/g

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

Maximum value of SAR (measured) = 0.625 mW/g



0 dB = 0.620mW/g = -4.15 dB mW/g

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Date/Time: 7/5/2012 6:15:48 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_low_chan_amb_temp_23.3C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.333$ mho/m; $\epsilon_r = 38.475$;
 $\rho = 1000$ 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) = 1.271 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 = 12.365 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.9400
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.636 mW/g

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

Maximum value of SAR (measured) = 1.399 mW/g

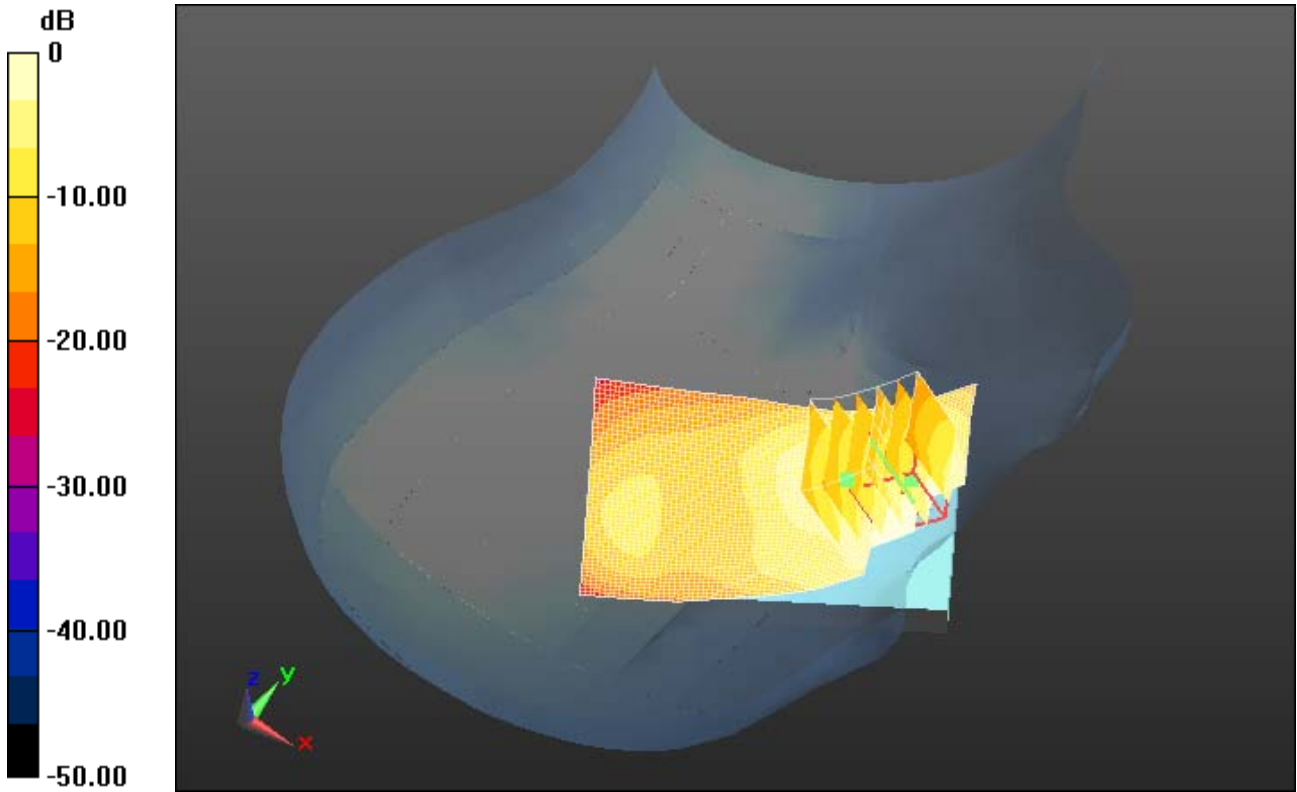
Author Data
Andrew Becker

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0 dB = 1.400mW/g = 2.92 dB mW/g

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Date/Time: 7/5/2012 5:49:56 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_mid_chan_amb_temp_23.1C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.355$ mho/m; $\epsilon_r = 38.346$;
 $\rho = 1000$ 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) = 1.243 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 = 13.445 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.9710
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.638 mW/g

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

Maximum value of SAR (measured) = 1.411 mW/g

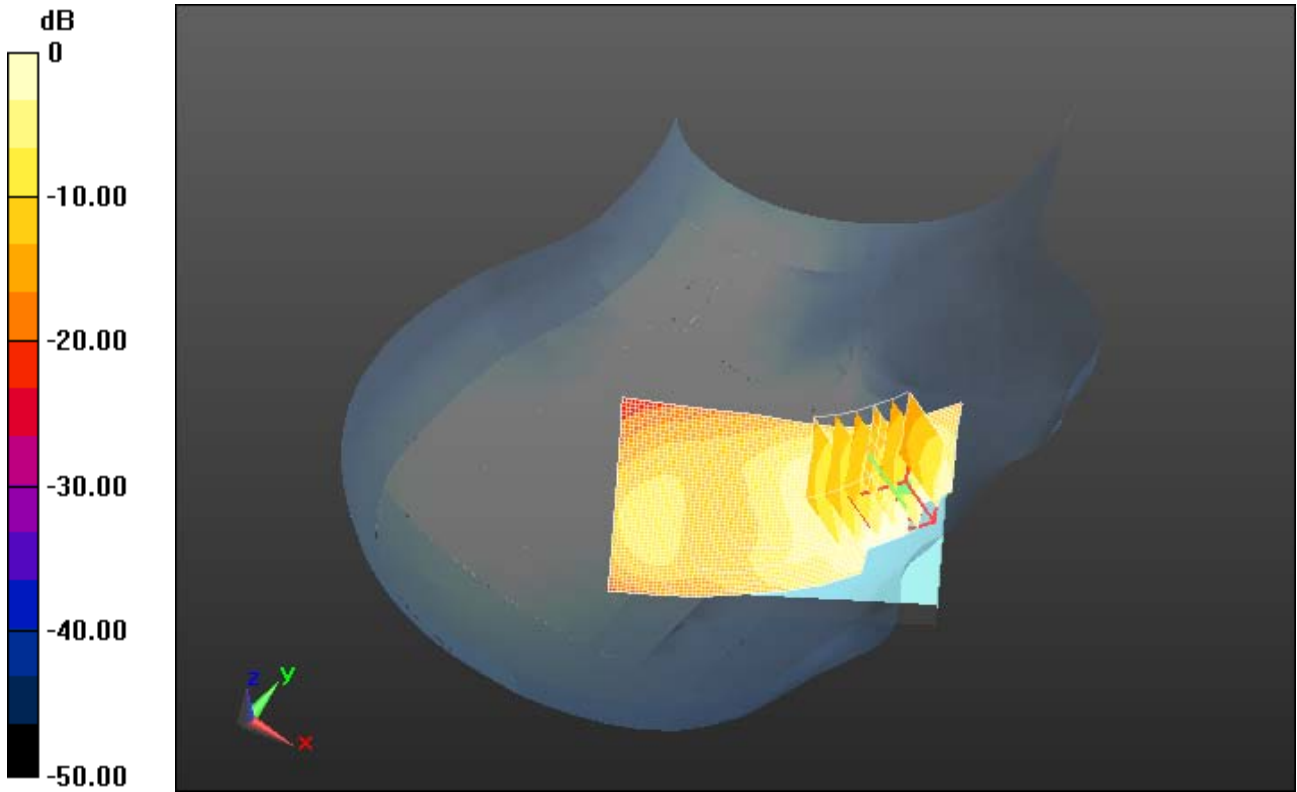
Author Data
Andrew Becker

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0 dB = 1.410mW/g = 2.98 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 6:49:06 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_IV_high_chan_amb_temp_23.1C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.372$ mho/m; $\epsilon_r = 38.272$;
 $\rho = 1000$ 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) = 1.226 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 = 13.541 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.9400
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.622 mW/g

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

Maximum value of SAR (measured) = 1.404 mW/g

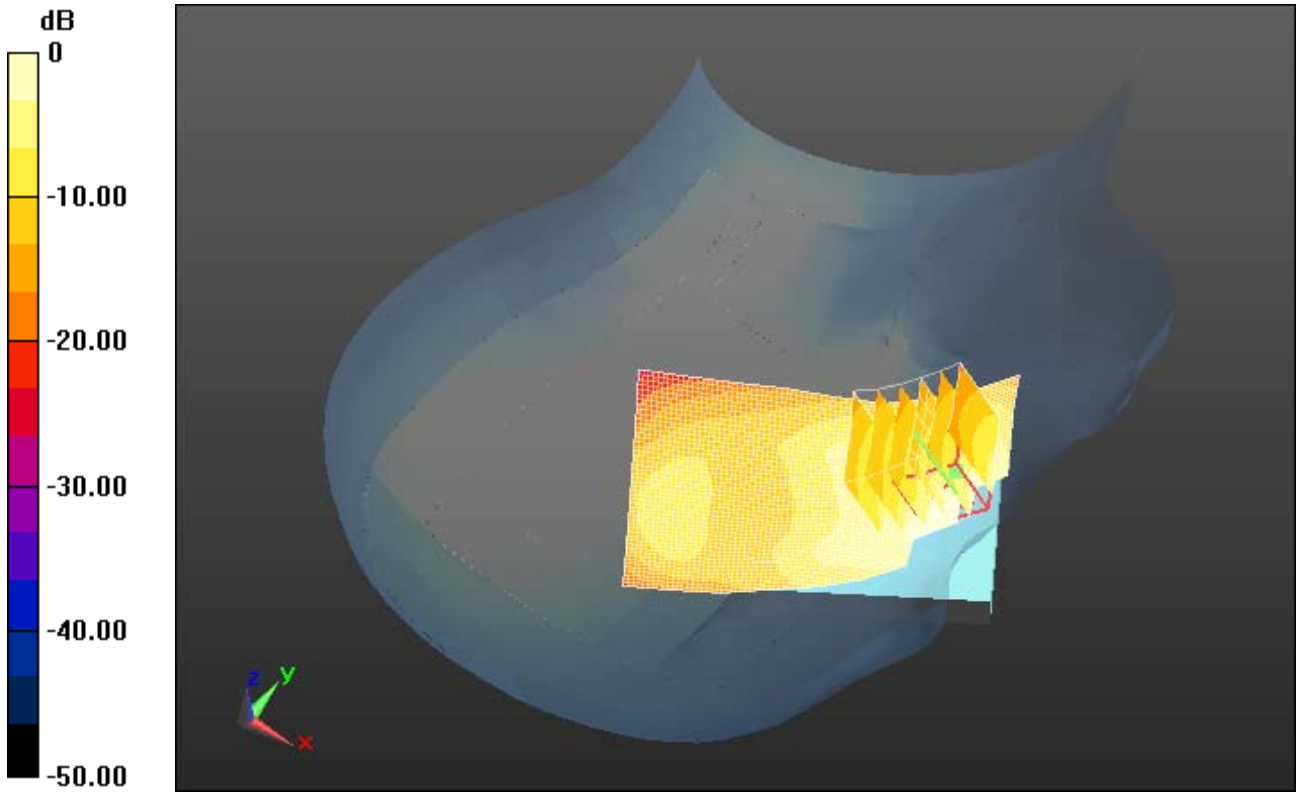
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
2503A-RFE70UW



0 dB = 1.400mW/g = 2.92 dB mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 44(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 7:59:57 PM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_22.8C_liq_t
emp_22.3C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.355$ mho/m; $\epsilon_r = 38.346$;
 $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.654 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.302 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.5540
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.196 mW/g

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

Maximum value of SAR (measured) = 0.408 mW/g

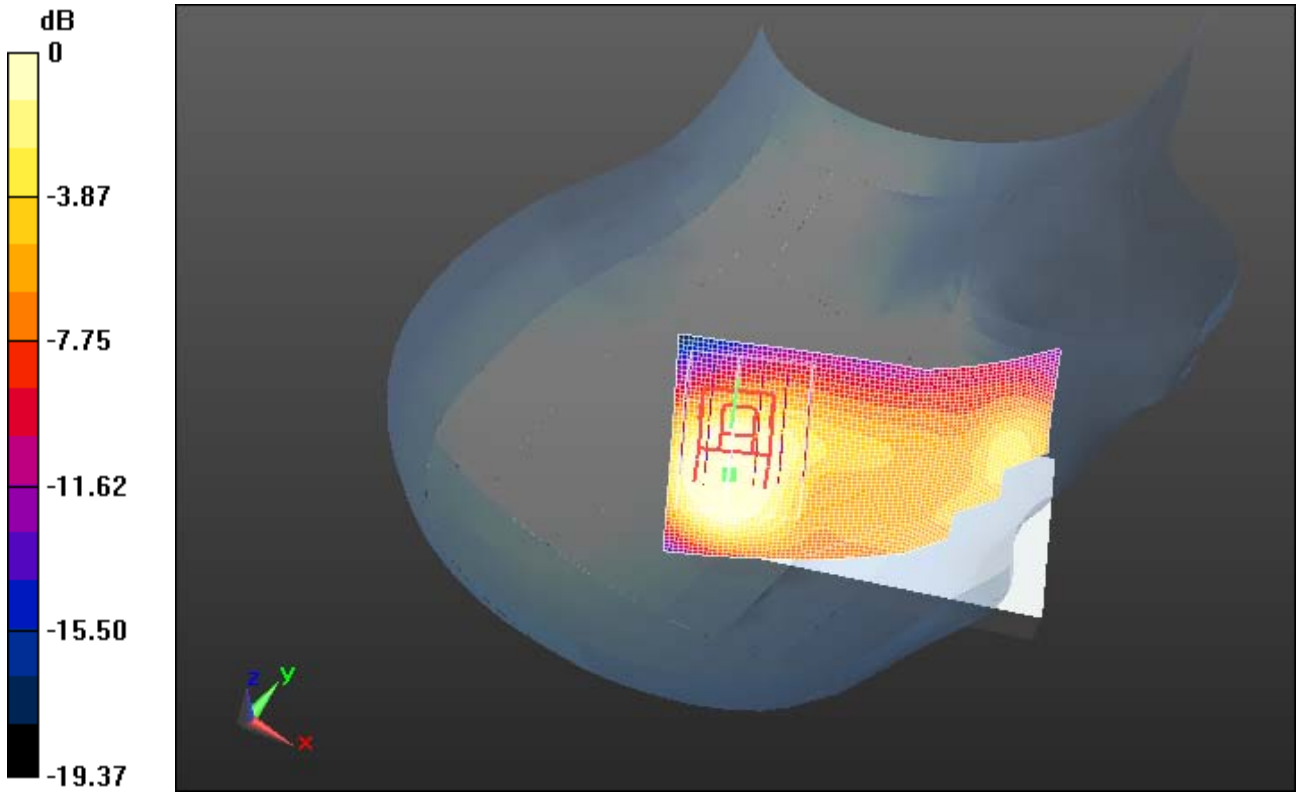
Author Data
Andrew Becker

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Test Report No
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0 dB = 0.410mW/g = -7.74 dB mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 46(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 4:13:19 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_IV_low_chan_amb_temp_24.0C_liq_temp_2 1.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1712.4 MHz
Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.333$ mho/m; $\epsilon_r = 38.475$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.237 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 = 10.368 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.9060
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.611 mW/g

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

Maximum value of SAR (measured) = 1.315 mW/g

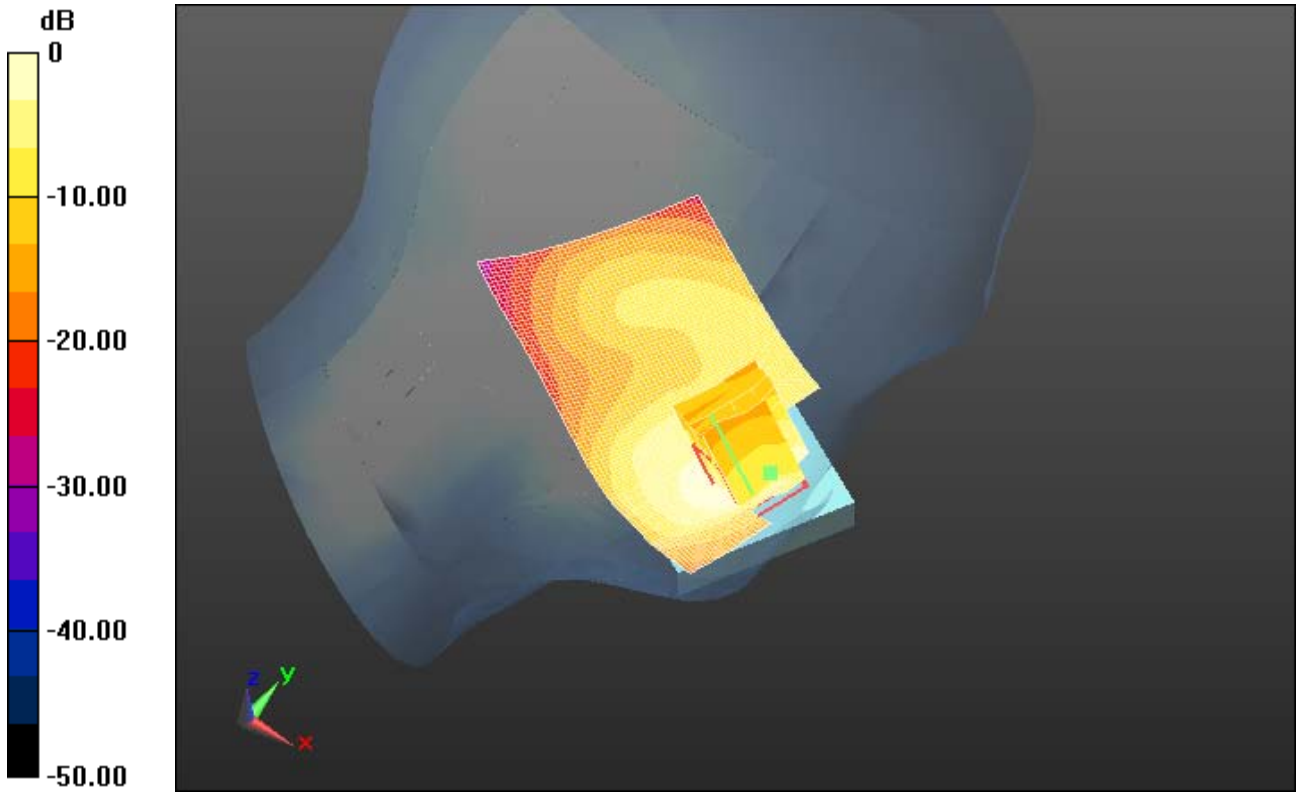
Author Data
Andrew Becker

Dates of Test
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IC ID
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0 dB = 1.320mW/g = 2.41 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 3:54:47 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_IV_mid_chan_amb_temp_22.9C_liq_temp_21.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.355$ mho/m; $\epsilon_r = 38.346$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.359 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 = 11.772 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.1740
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.675 mW/g

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

Maximum value of SAR (measured) = 1.479 mW/g

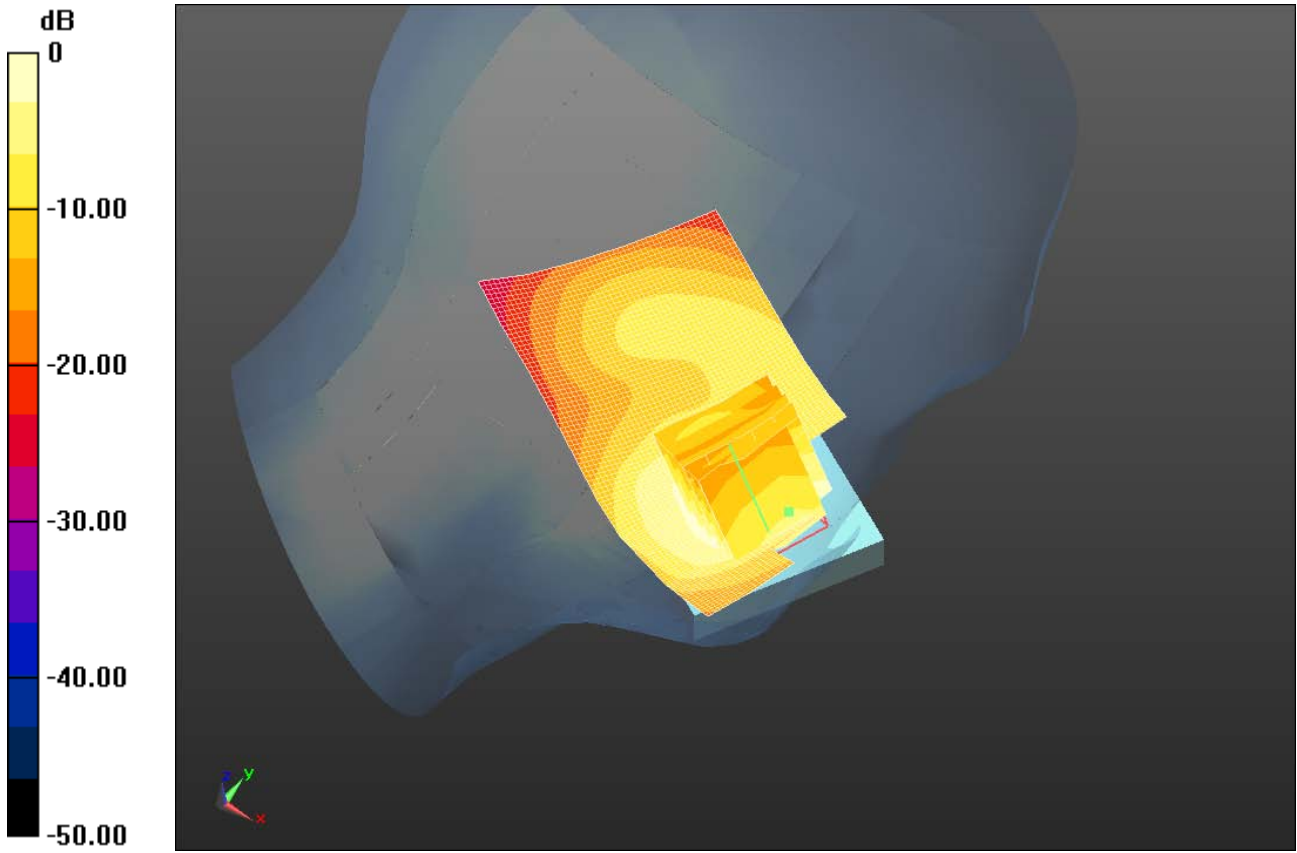
Author Data
Andrew Becker

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July 05 – July 30 , 2012


Test Report No
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0 dB = 1.480mW/g = 3.41 dB mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 50(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 4:27:54 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_IV_high_chan_amb_temp_24.0C_liq_temp_21.5C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.372$ mho/m; $\epsilon_r = 38.272$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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


Maximum value of SAR (interpolated) = 1.353 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 = 11.746 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.2160
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.665 mW/g

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

Maximum value of SAR (measured) = 1.484 mW/g

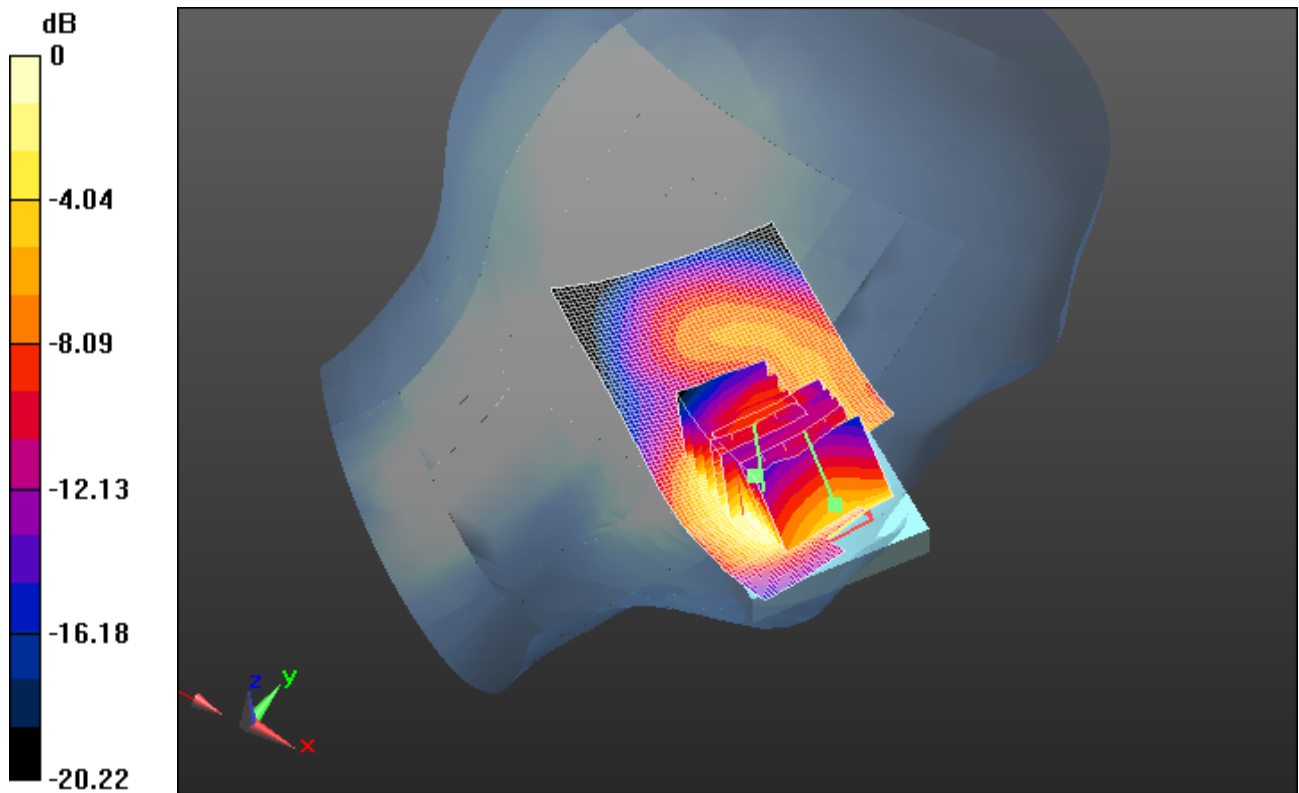
	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 51(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

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


Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 11.746 V/m; Power Drift = 0.11 dB
 Peak SAR (extrapolated) = 1.2110
SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.536 mW/g

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

Maximum value of SAR (measured) = 0.988 mW/g



0 dB = 0.990mW/g = -0.09 dB mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 52(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/5/2012 4:54:48 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_UMTS_band_IV_mid_chan_amb_temp_22.9C_liq_temp_21.4C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.355$ mho/m; $\epsilon_r = 38.346$;
 $\rho = 1000$ 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=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.617 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.501 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.7730
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.292 mW/g

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

Maximum value of SAR (measured) = 0.588 mW/g

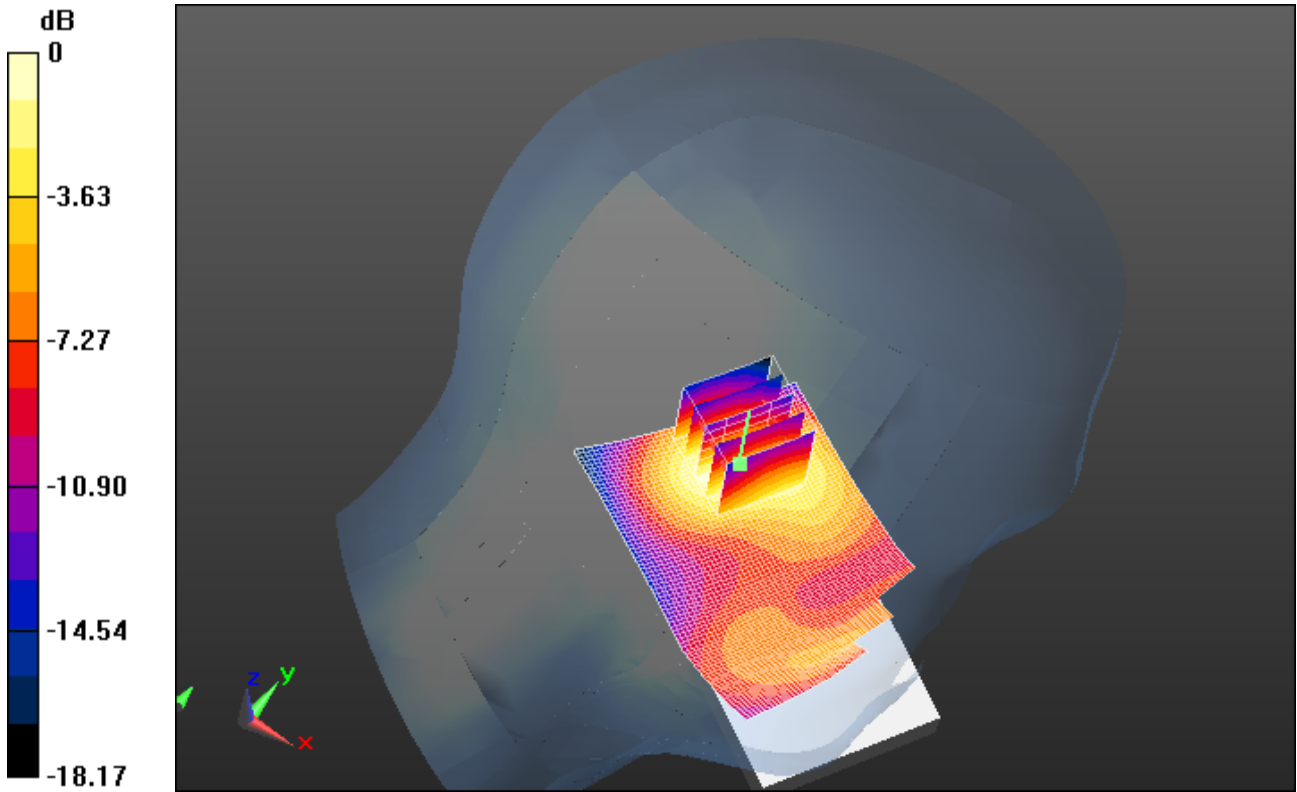
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
L6ARFE70UW

IC ID
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0 dB = 0.590mW/g = -4.58 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 3:49:56 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_Band_IV_mid_chan_amb_temp_24.4_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz
Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.409$ mho/m; $\epsilon_r = 38.585$;
 $\rho = 1000$ 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 (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.076 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 = 12.572 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.7140
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.569 mW/g

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

Maximum value of SAR (measured) = 1.226 mW/g

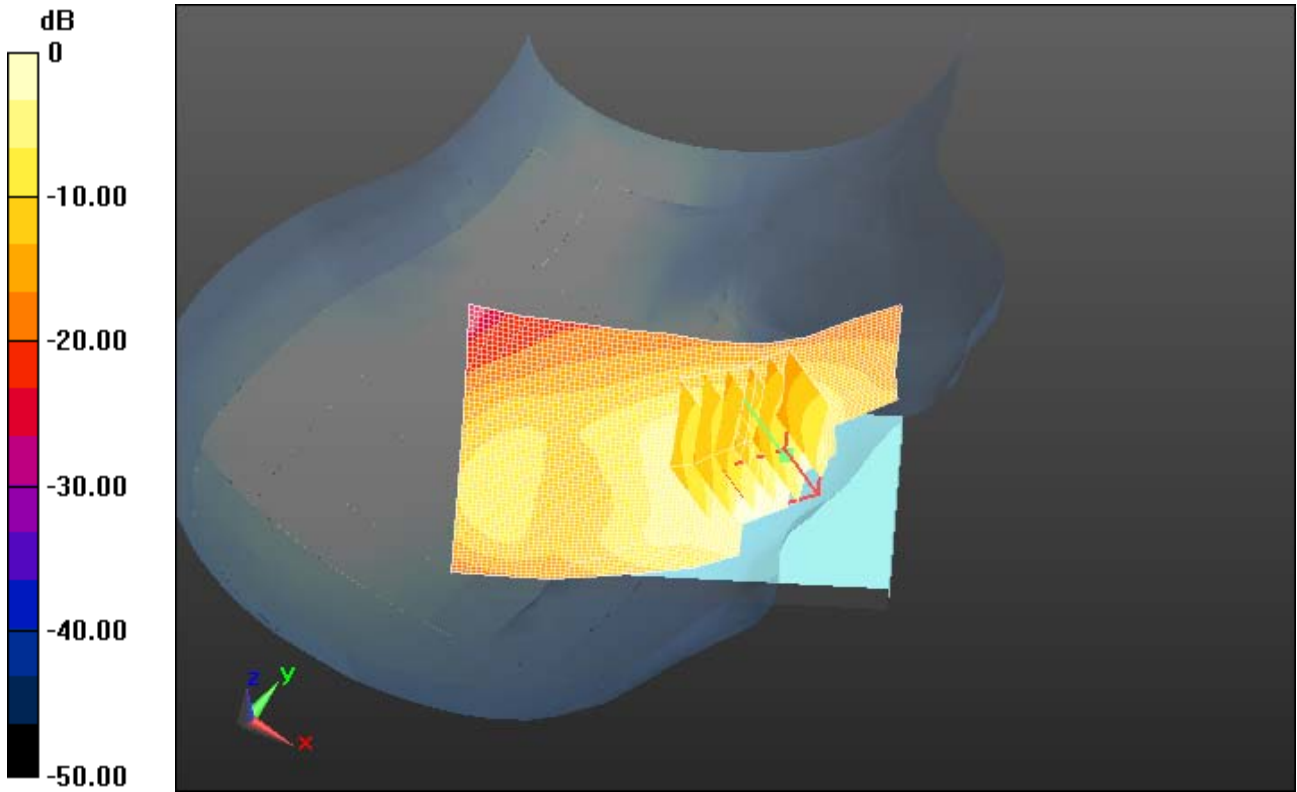
Author Data
Andrew Becker

Dates of Test
July 05 – July 30 , 2012


Test Report No
RTS-5992-1207-37

FCC ID:
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IC ID
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0 dB = 1.230mW/g = 1.80 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/26/2012 4:12:17 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_IV_high_chan_amb_temp_24.2_liq_temp_2 2.6C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A41842F

Communication System: WCDMA FDD IV; Frequency: 1752.6 MHz
Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.423$ mho/m; $\epsilon_r = 38.514$;
 $\rho = 1000$ 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) = 1.438 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 = 12.699 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 2.0140
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.644 mW/g

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

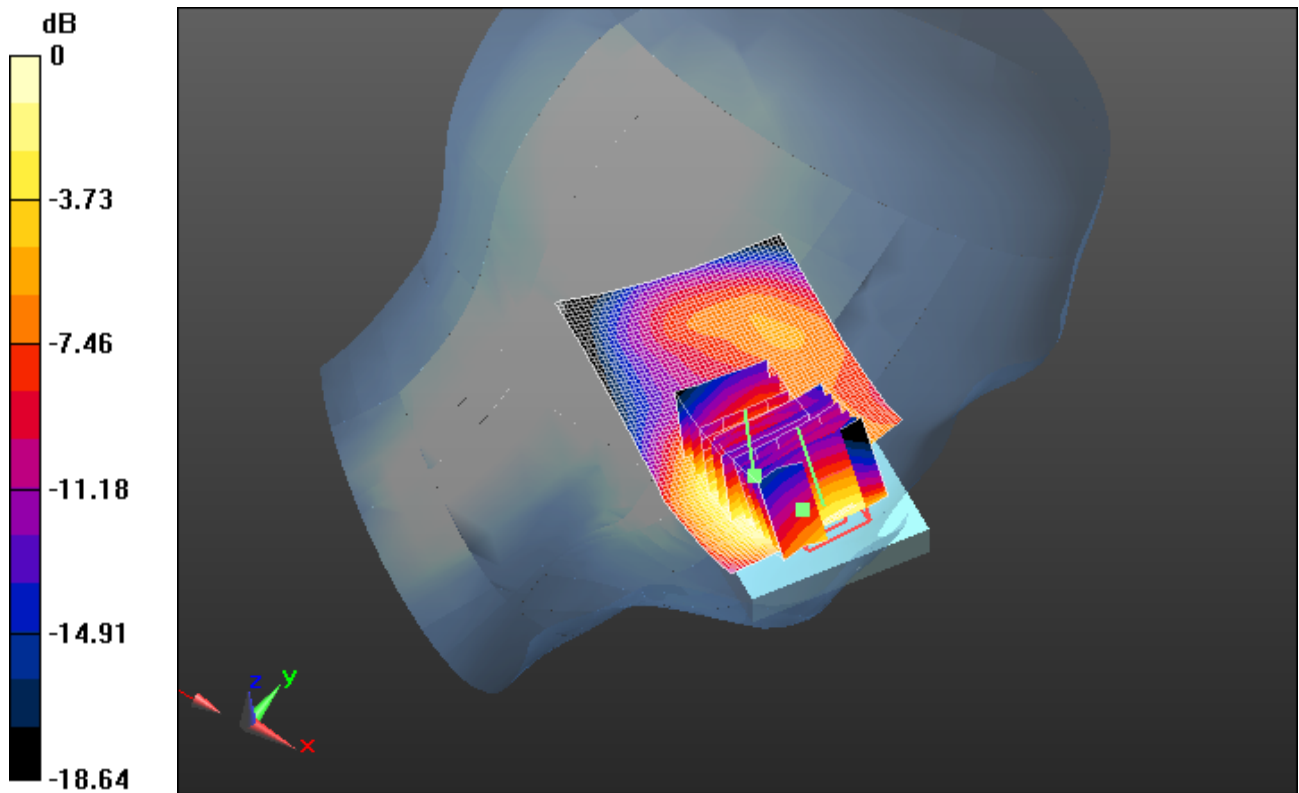
Maximum value of SAR (measured) = 1.382 mW/g

	Document Appendix B for the BlackBerry® Smartphone Model RFE71UW SAR Report			Page 57(94)
	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW


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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 12.699 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 1.3720
SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.621 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)
 Maximum value of SAR (measured) = 1.110 mW/g



0 dB = 1.110mW/g = 0.91 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 10:07:50 AM

Test Laboratory: RIM Testing Services

RightHandSide_EDGE1900_mid_chan_amb_temp_22.8C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.491 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 = 8.122 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.5900

SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 0.467 mW/g

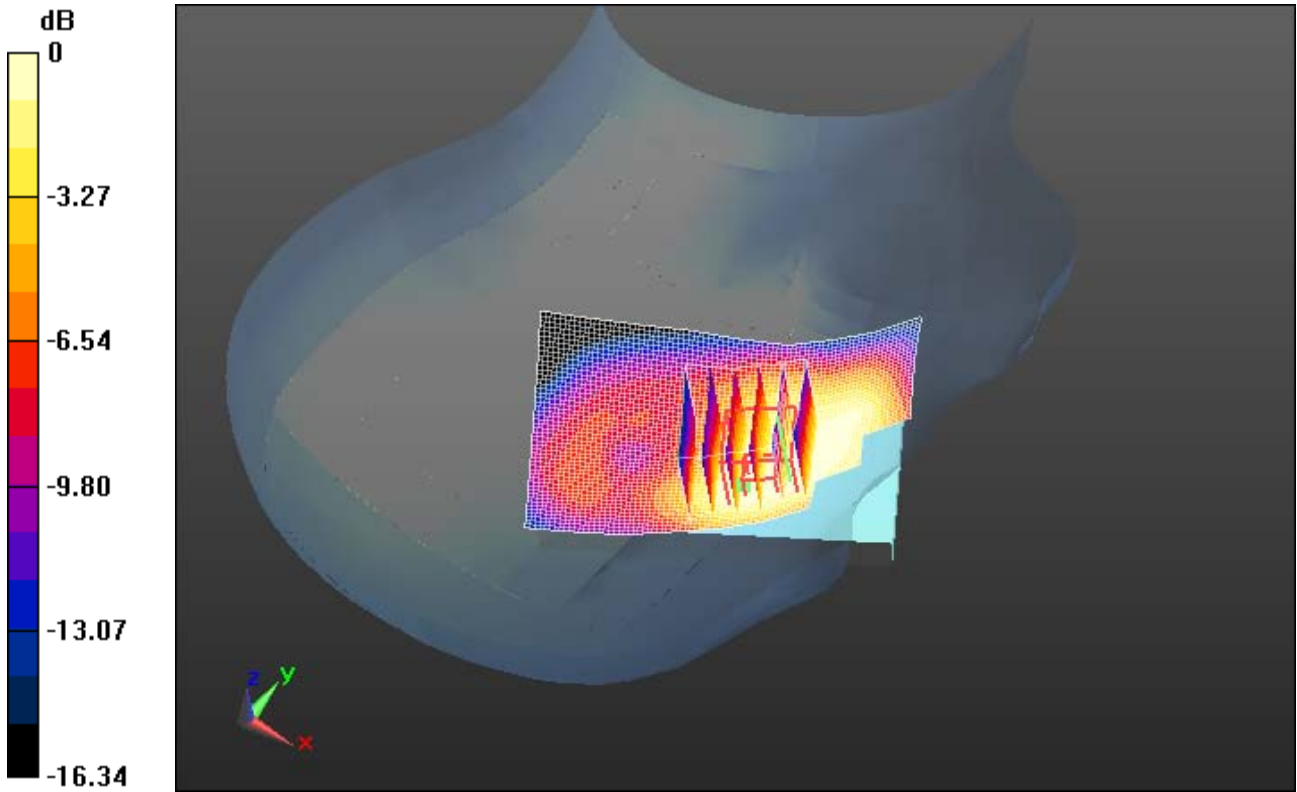
Author Data
Andrew Becker

Dates of Test
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0 dB = 0.470mW/g = -6.56 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 10:27:35 AM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_EDGE1900_mid_chan_amb_temp_22.7C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.345 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 = 13.121 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.4470

SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.337 mW/g

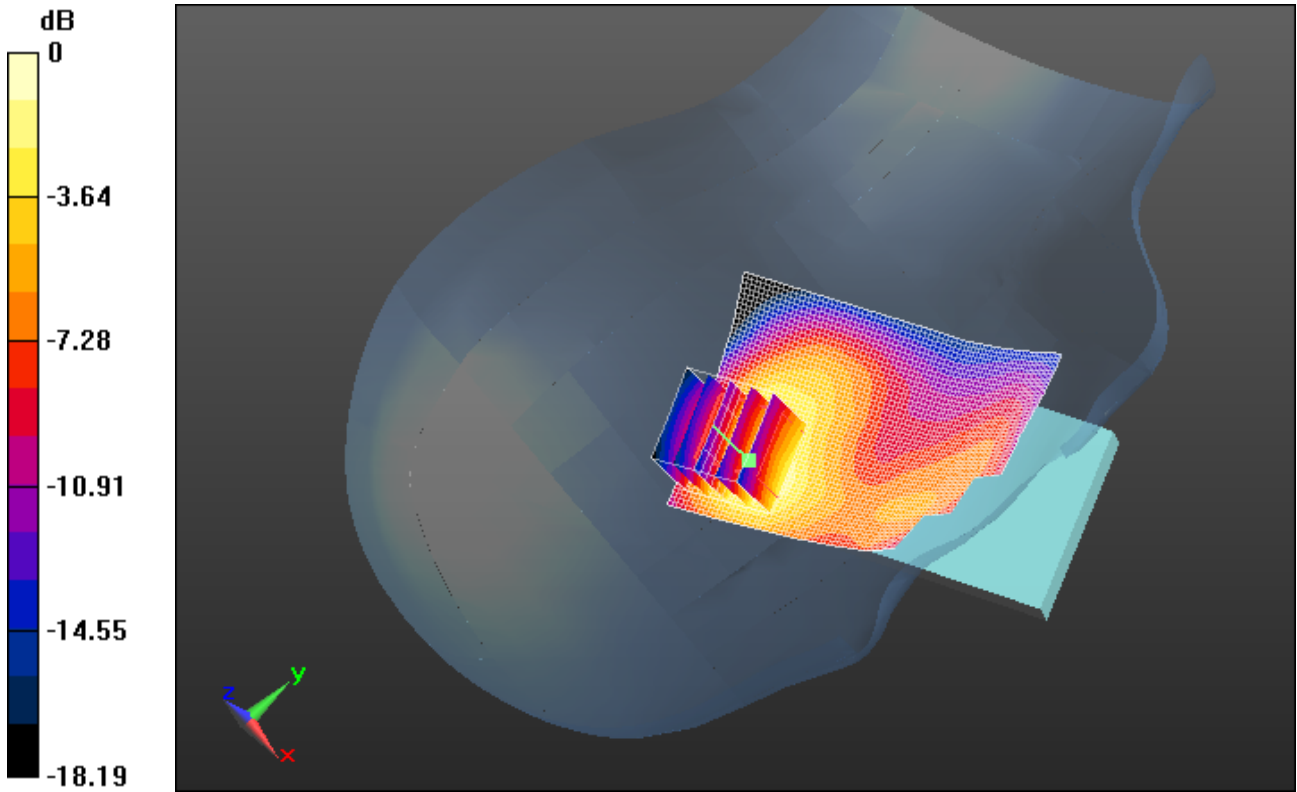
Author Data
Andrew Becker

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IC ID
2503A-RFE70UW



0 dB = 0.340mW/g = -9.37 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 10:45:00 AM

Test Laboratory: RIM Testing Services

**RightHandSide_GSM1900_mid_chan_amb_temp_22.7C_liq_temp_22.0
C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: GSM 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.390 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 = 6.806 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.4930

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.220 mW/g

Maximum value of SAR (measured) = 0.375 mW/g

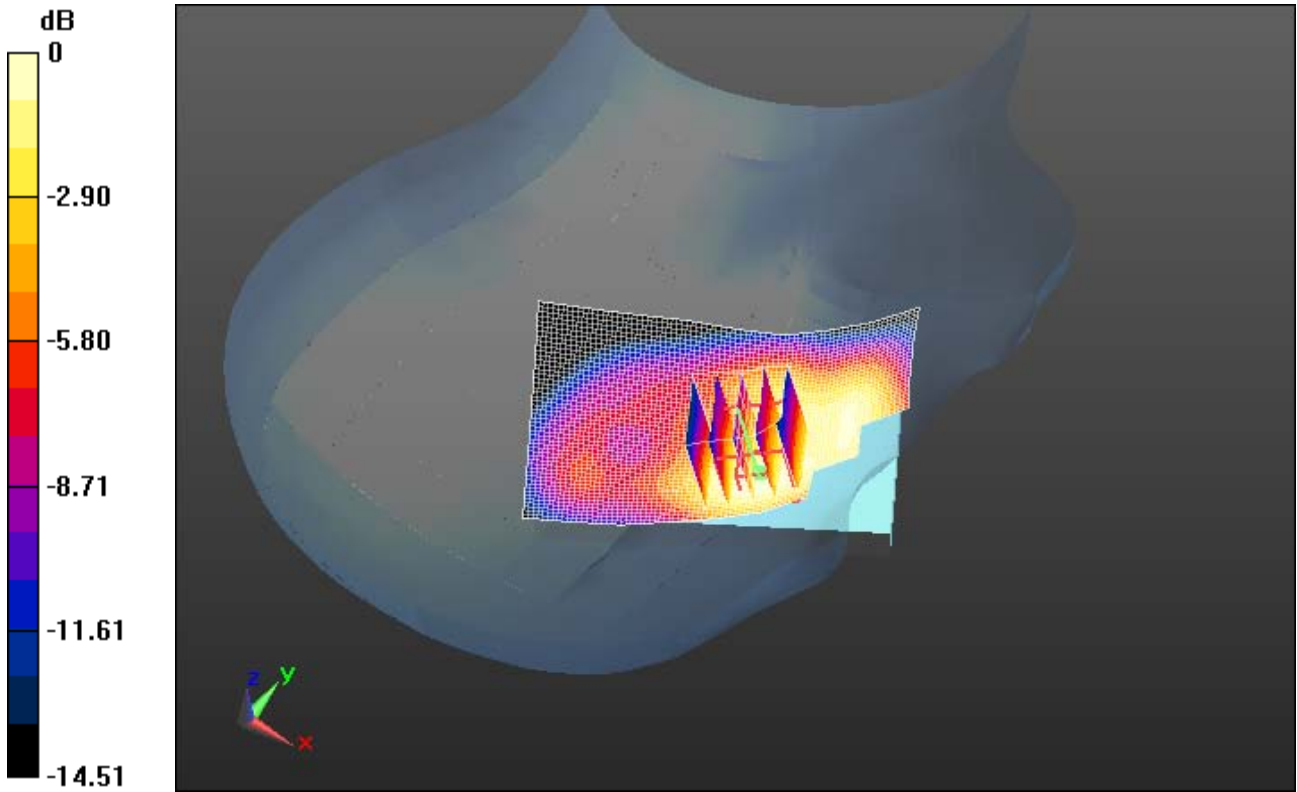
Author Data
Andrew Becker

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IC ID
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0 dB = 0.370mW/g = -8.64 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 11:34:17 AM

Test Laboratory: RIM Testing Services

**LeftHandSide_EDGE1900_low_chan_amb_temp_22.5C_liq_temp_22.0
C**

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1850.2 MHz
Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.334$ mho/m; $\epsilon_r = 39.051$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.886 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.086 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.0870
SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.467 mW/g

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

Maximum value of SAR (measured) = 0.835 mW/g

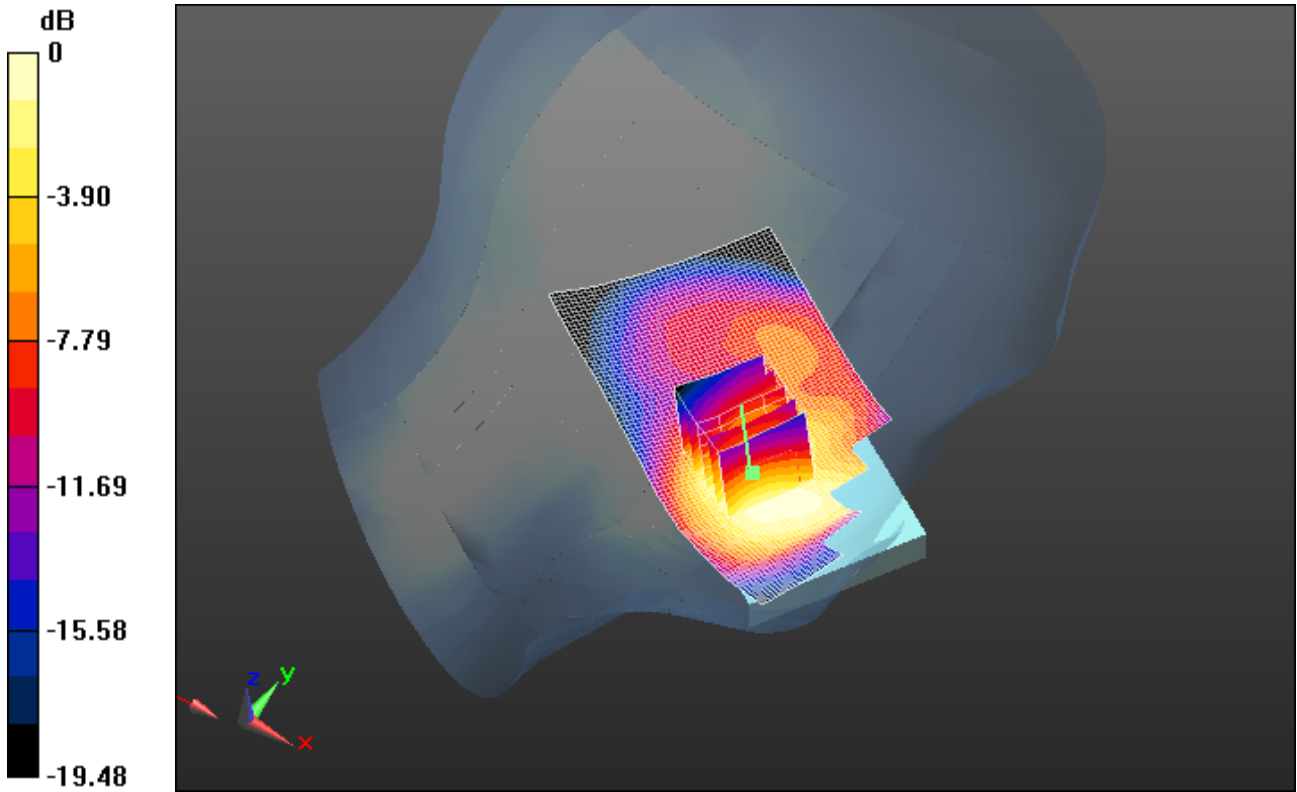
Author Data
Andrew Becker

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0 dB = 0.840mW/g = -1.51 dB mW/g

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Date/Time: 7/10/2012 11:06:35 AM

Test Laboratory: RIM Testing Services

LeftHandSide_EDGE1900_mid_chan_amb_temp_22.5C_liq_temp_22.0

C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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 (51x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.971 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 = 8.102 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.1800

SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.493 mW/g

Maximum value of SAR (measured) = 0.902 mW/g

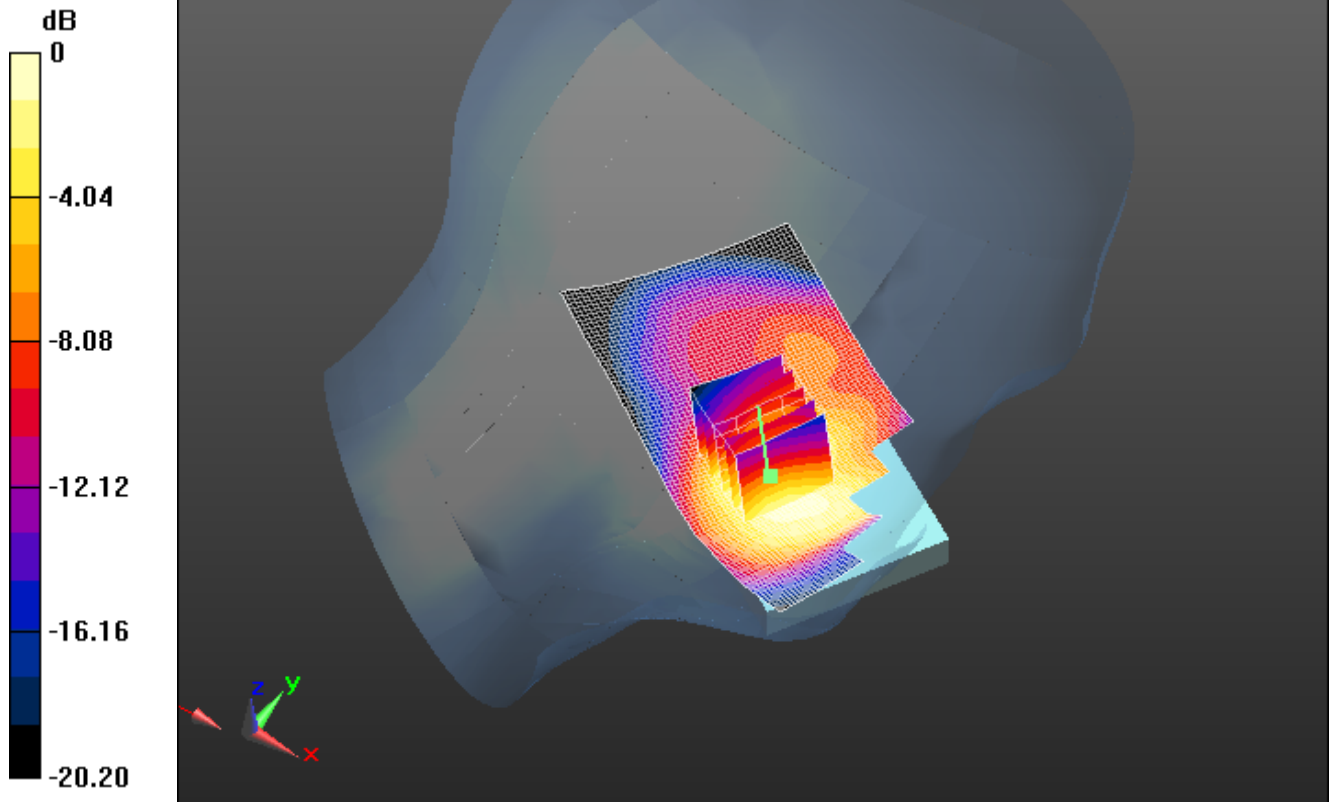
Author Data
Andrew Becker

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0 dB = 0.900mW/g = -0.92 dB mW/g

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Date/Time: 7/10/2012 11:58:28 AM

Test Laboratory: RIM Testing Services

**LeftHandSide_EDGE1900_high_chan_amb_temp_22.7C_liq_temp_22.0
C**

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.395$ mho/m; $\epsilon_r = 38.831$; $\rho = 1000$ 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 (51x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.009 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 = 8.899 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.2320

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.502 mW/g

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

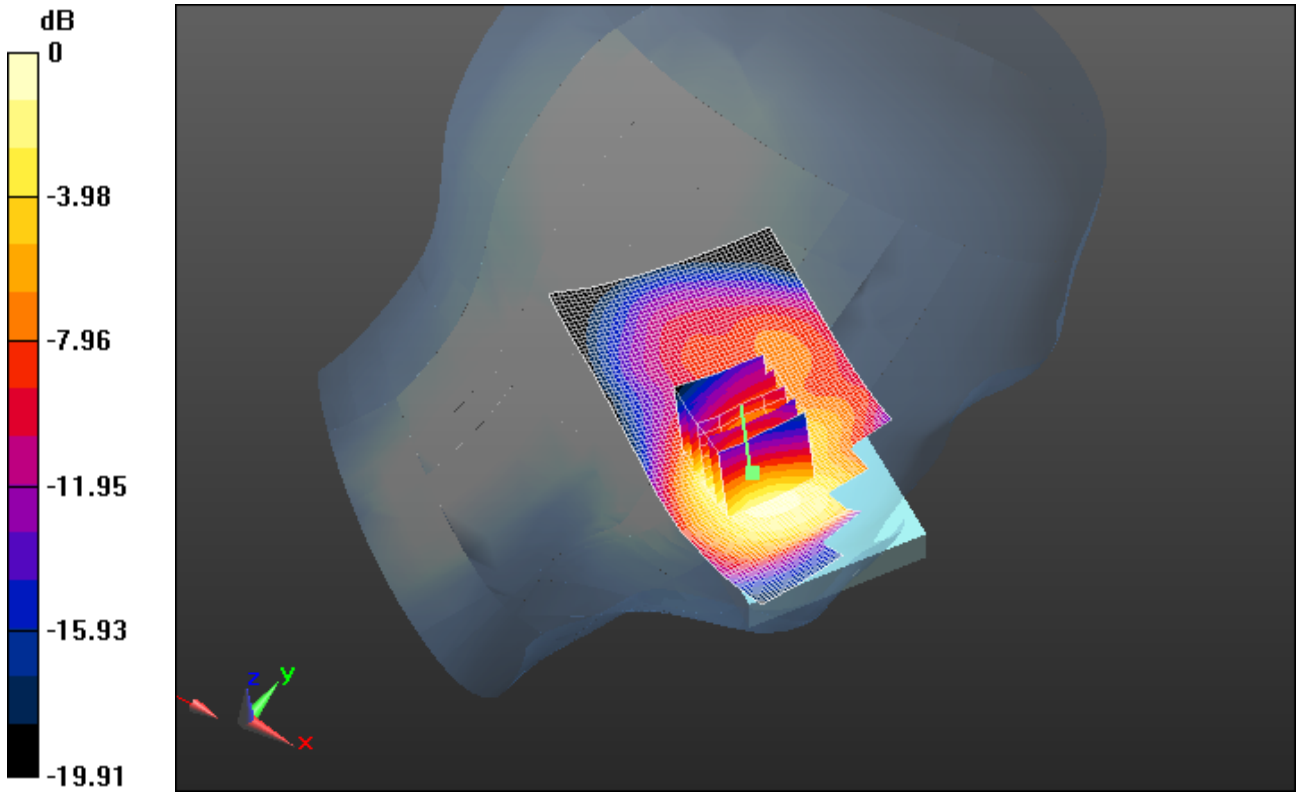
Author Data
Andrew Becker

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0 dB = 0.930mW/g = -0.63 dB mW/g

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Date/Time: 7/10/2012 12:46:16 PM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_EDGE1900_mid_chan_amb_temp_22.5C_liq_temp_2 2.1C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: EDGE 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.301 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 = 15.010 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.3900

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.148 mW/g

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

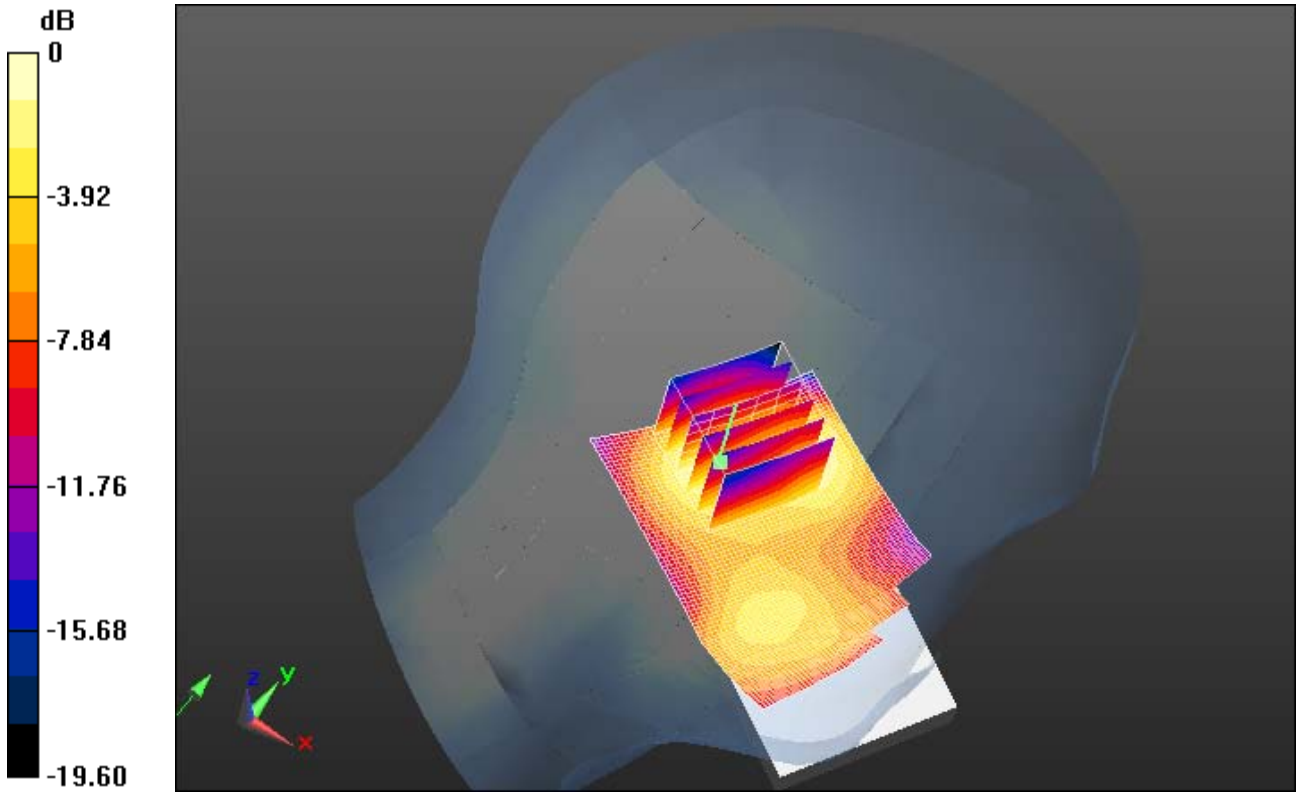
Author Data
Andrew Becker

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0 dB = 0.290mW/g = -10.75 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/10/2012 12:18:29 PM

Test Laboratory: RIM Testing Services

LeftHandSide_GSM1900_high_chan_amb_temp_22.7C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: GSM 1900; Frequency: 1909.8 MHz

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.395$ mho/m; $\epsilon_r = 38.831$; $\rho = 1000$ 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 (51x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.805 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 = 8.206 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.9880

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 0.741 mW/g

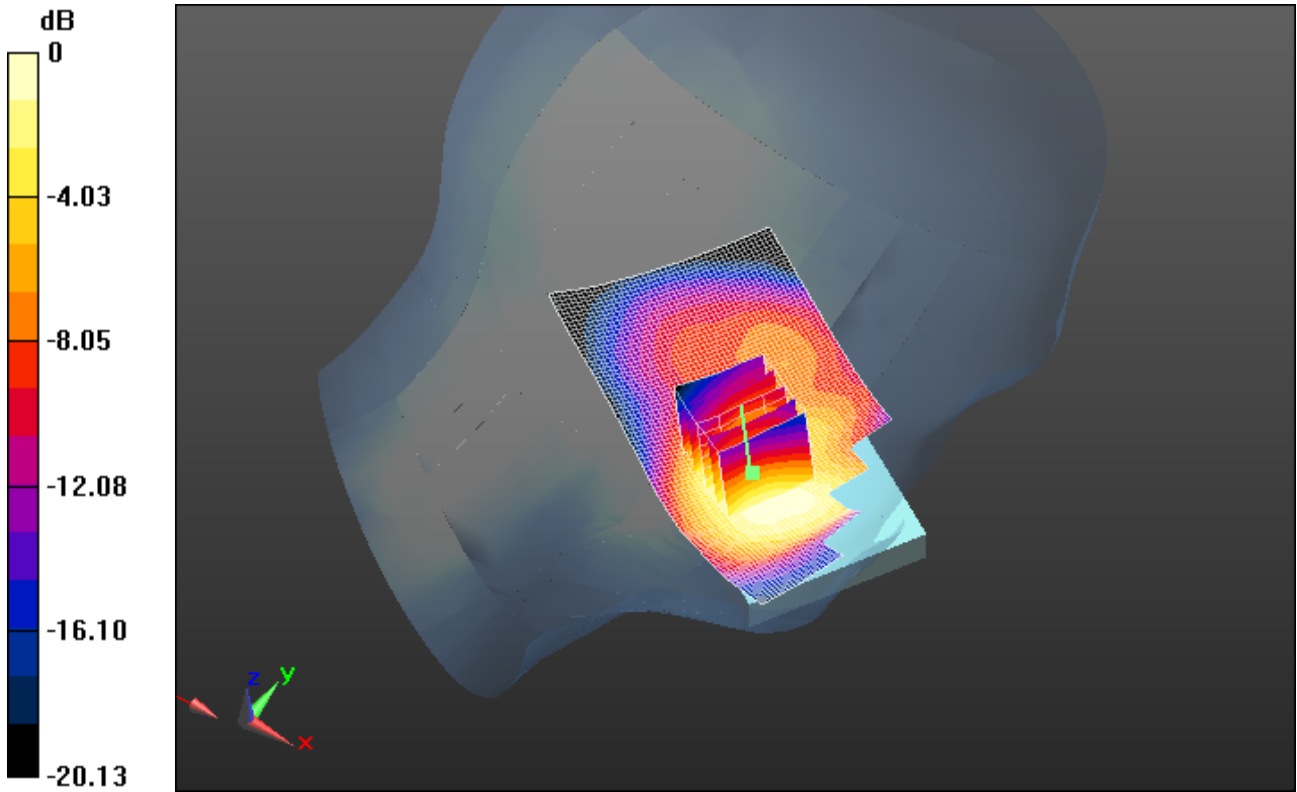
Author Data
Andrew Becker

Dates of Test
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Test Report No
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0 dB = 0.740mW/g = -2.62 dB mW/g

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Date/Time: 7/9/2012 5:25:16 PM

Test Laboratory: RIM Testing Services

RightHandSide_UMTS_band_II_mid_chan_amb_temp_23.3C_liq_temp_22.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.769 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 = 9.857 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.9530

SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.427 mW/g

Maximum value of SAR (measured) = 0.757 mW/g


Configuration/Touch position -/Zoom Scan 2 (5x5x7) (7x9x7)/Cube 0:

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

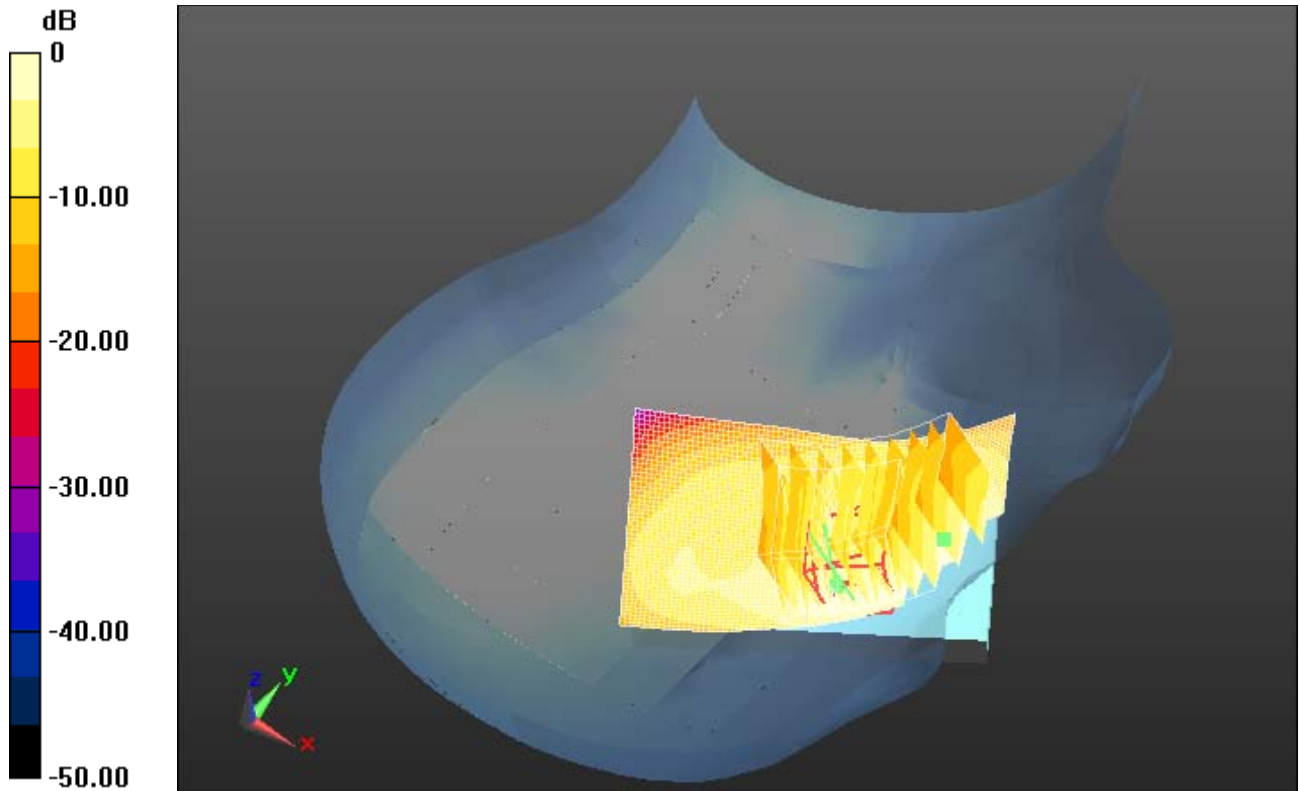
Reference Value = 9.857 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.9600


SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.422 mW/g

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Maximum value of SAR (measured) = 0.709 mW/g



0 dB = 0.710mW/g = -2.97 dB mW/g

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Date/Time: 7/9/2012 4:57:59 PM

Test Laboratory: RIM Testing Services

RightHandSide_Tilt_UMTS_band_II_mid_chan_amb_temp_23.3C_liq_temp_23.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.547 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 = 17.291 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.7070

SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.541 mW/g

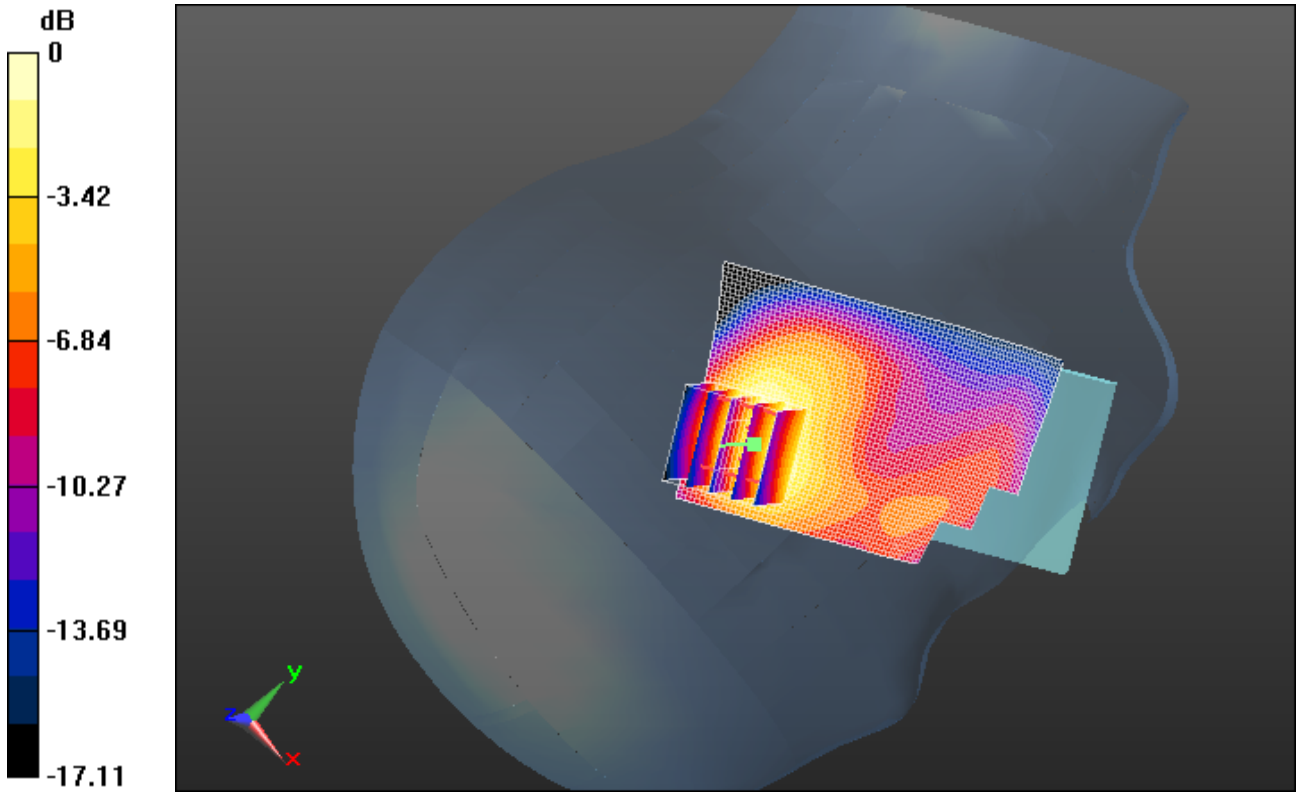
Author Data
Andrew Becker

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0 dB = 0.540mW/g = -5.35 dB mW/g

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Date/Time: 7/9/2012 2:28:08 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_low_chan_amb_temp_23.0C_liq_temp_2 3.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz
Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.336$ mho/m; $\epsilon_r = 39.044$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.176 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 = 11.228 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.4350
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.631 mW/g

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

Maximum value of SAR (measured) = 1.140 mW/g

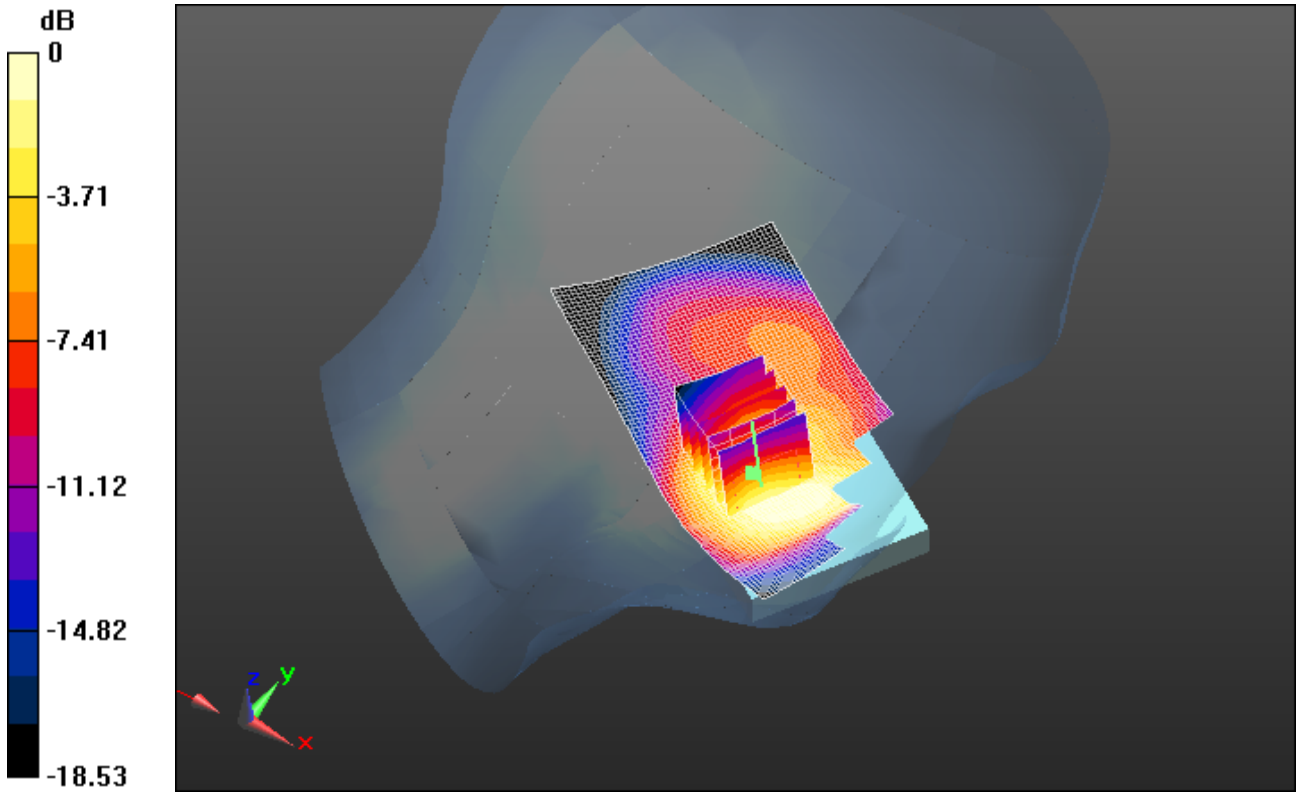
Author Data
Andrew Becker

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0 dB = 1.140mW/g = 1.14 dB mW/g

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Date/Time: 7/9/2012 1:07:01 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_mid_chan_amb_temp_23.8C_liq_temp_2 3.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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 (51x101x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 1.325 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 = 10.568 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.5770

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.682 mW/g

Maximum value of SAR (measured) = 1.247 mW/g

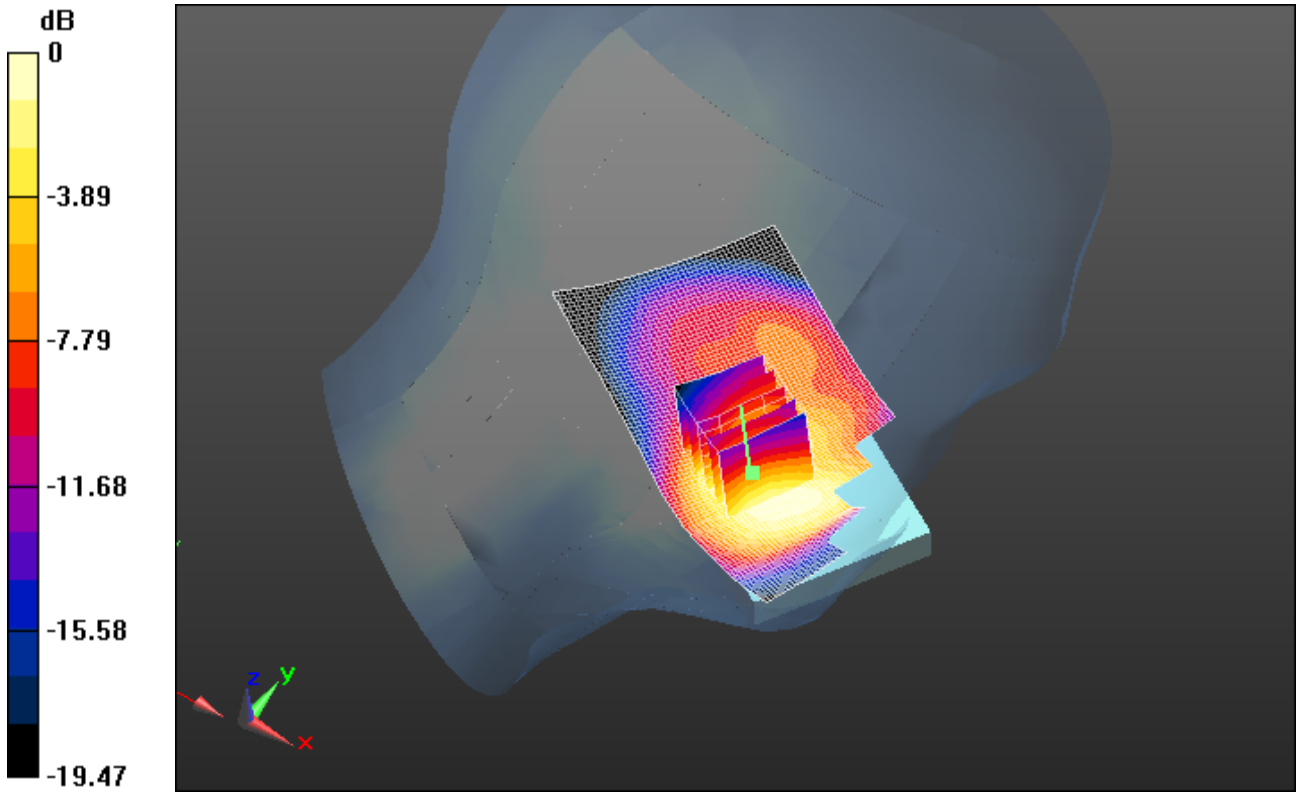
Author Data
Andrew Becker

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0 dB = 1.250mW/g = 1.94 dB mW/g

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Date/Time: 7/9/2012 2:48:10 PM

Test Laboratory: RIM Testing Services

LeftHandSide_UMTS_Band_II_high_chan_amb_temp_23.2C_liq_temp_2 3.0C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz
Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.393$ mho/m; $\epsilon_r = 38.839$;
 $\rho = 1000$ 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 (51x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.508 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 = 12.308 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.8410
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.771 mW/g

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

Maximum value of SAR (measured) = 1.436 mW/g

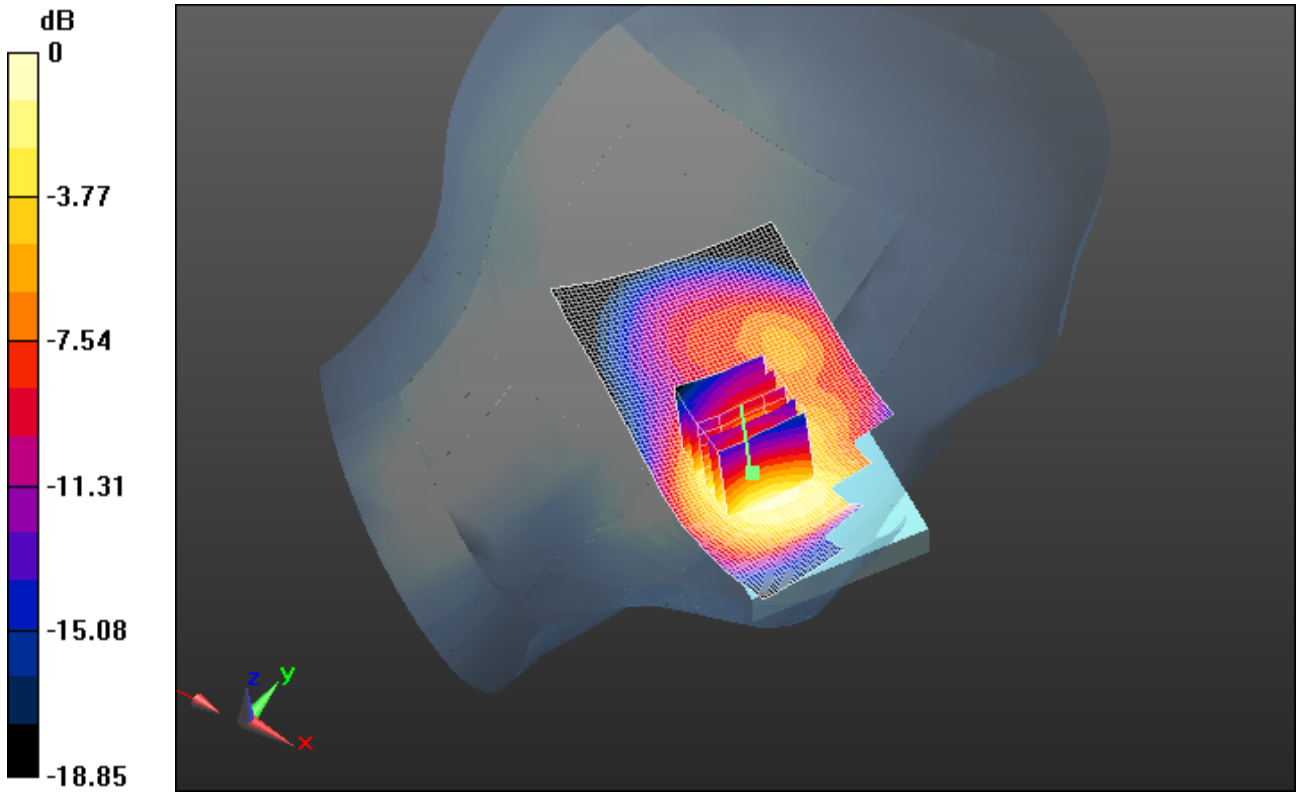
Author Data
Andrew Becker

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FCC ID:
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IC ID
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0 dB = 1.440mW/g = 3.17 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/9/2012 3:08:18 PM

Test Laboratory: RIM Testing Services

**LeftHandSide_Tilt_UMTS_band_II_mid_chan_amb_temp_23.1C_liq_tem
p_22.9C**

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ mho/m; $\epsilon_r = 38.955$; $\rho = 1000$ 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) = 0.582 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 = 20.865 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.7340

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.551 mW/g

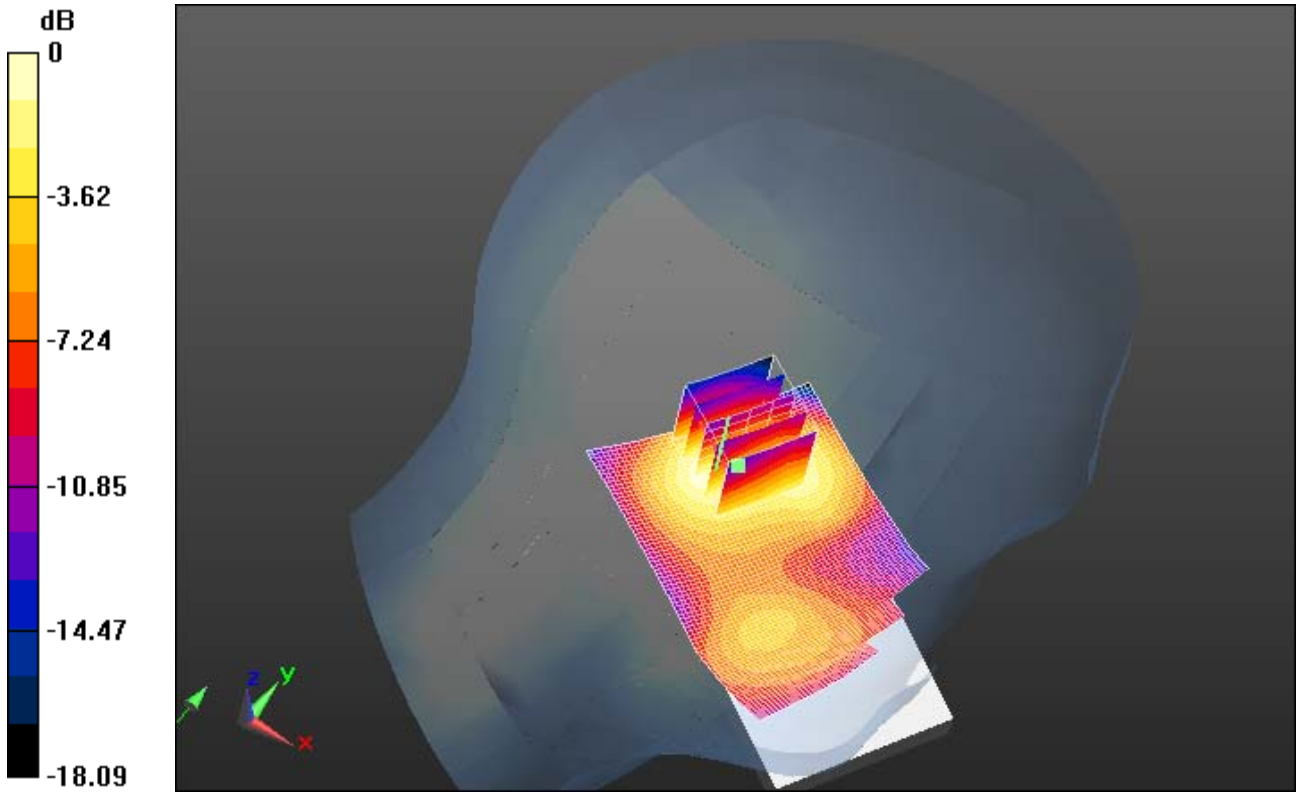
Author Data
Andrew Becker

Dates of Test
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Test Report No
RTS-5992-1207-37

FCC ID:
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IC ID
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0 dB = 0.550mW/g = -5.19 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 12:56:50 AM

Test Laboratory: RIM Testing Services

RightHandSide_802.11b_high_chan_amb_temp_23.4C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.828$ mho/m; $\epsilon_r = 39.668$; $\rho = 1000$ 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 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 (61x81x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.543 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 = 8.800 V/m; Power Drift = 0.07 dB

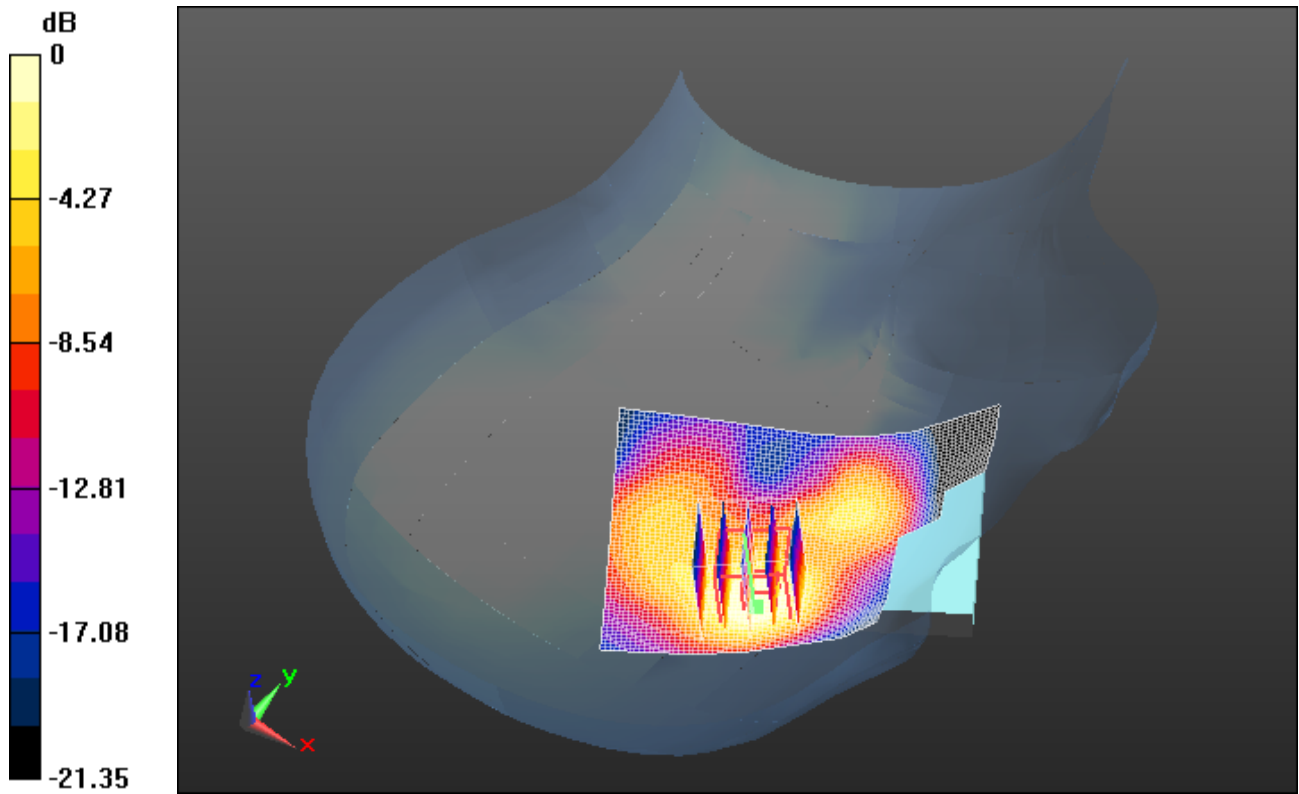
Peak SAR (extrapolated) = 0.7190

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.180 mW/g


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

Maximum value of SAR (measured) = 0.447 mW/g

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0 dB = 0.450mW/g = -6.94 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 1:40:53 AM

Test Laboratory: RIM Testing Services

**RightHandSide_Tilt_802.11b_high_chan_amb_temp_23.3C_liq_temp_22
.3C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A2114F7

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.828$ mho/m; $\epsilon_r = 39.668$; $\rho = 1000$ 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 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) = 0.298 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 = 11.326 V/m; Power Drift = 0.0021 dB

Peak SAR (extrapolated) = 0.4020

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.112 mW/g

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

Maximum value of SAR (measured) = 0.281 mW/g

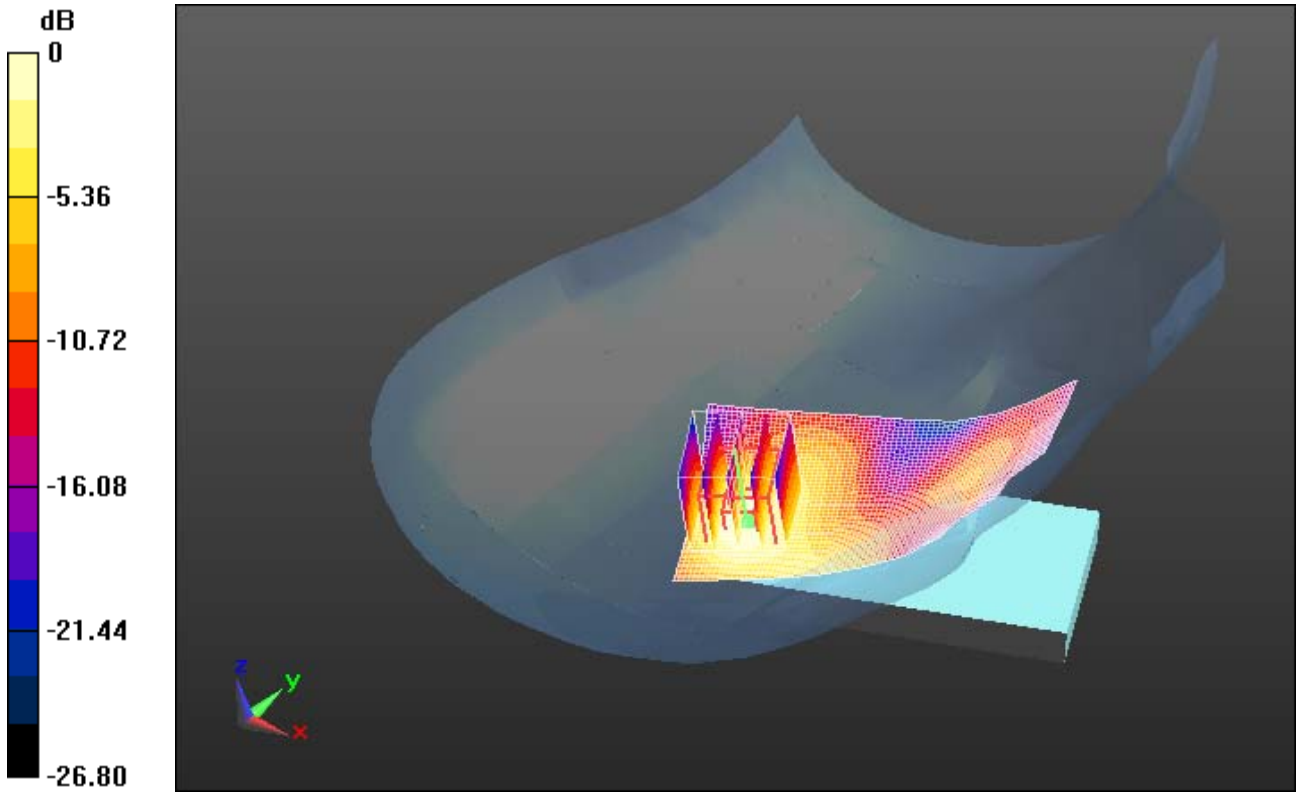
Author Data
Andrew Becker

Dates of Test
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0 dB = 0.280mW/g = -11.06 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 2:00:11 AM

Test Laboratory: RIM Testing Services

LeftHandSide_802.11b_high_chan_amb_temp_23.3C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.828$ mho/m; $\epsilon_r = 39.668$; $\rho = 1000$ 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 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 (61x101x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.340 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 = 9.359 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 0.5990

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.134 mW/g

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

Maximum value of SAR (measured) = 0.377 mW/g

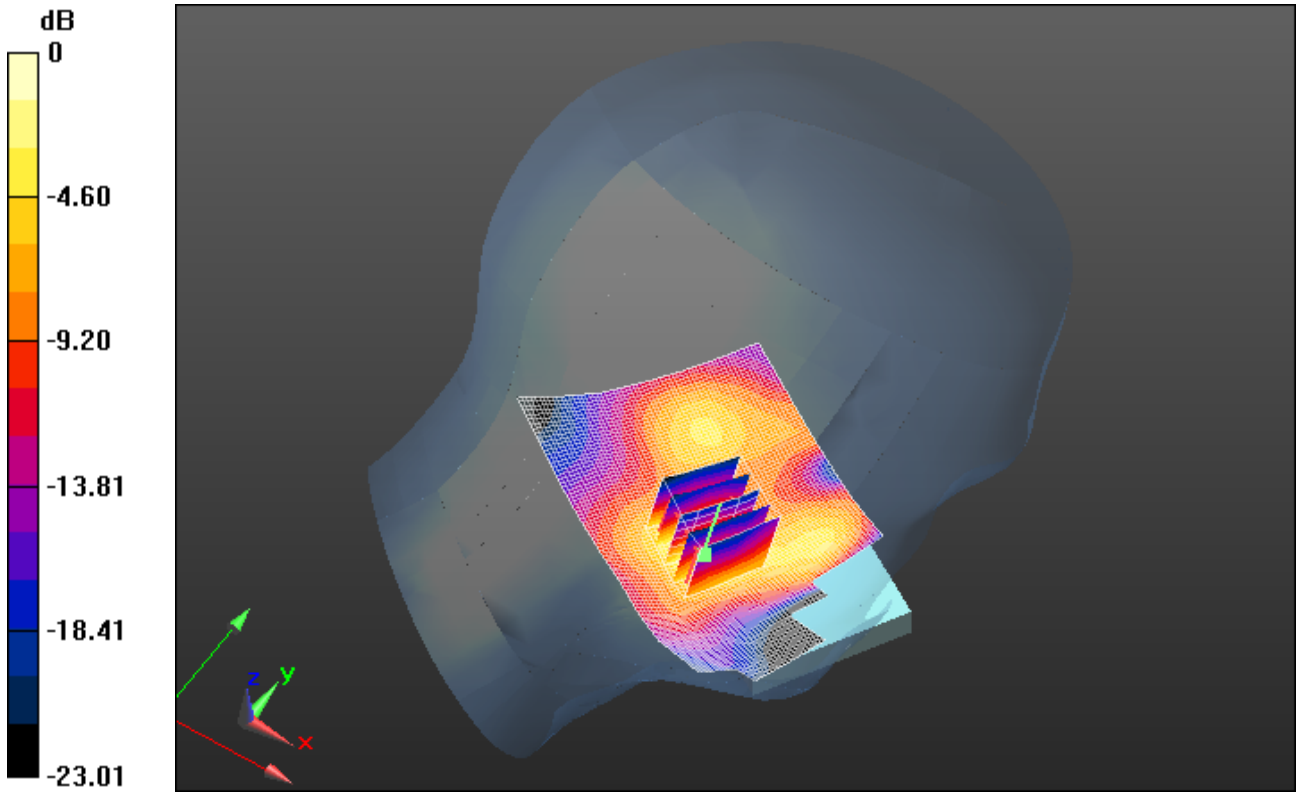
Author Data
Andrew Becker

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0 dB = 0.380mW/g = -8.40 dB mW/g

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	Author Data Andrew Becker	Dates of Test July 05 – July 30 , 2012	Test Report No RTS-5992-1207-37	FCC ID: L6ARFE70UW

Date/Time: 7/12/2012 2:26:02 AM

Test Laboratory: RIM Testing Services

LeftHandSide_Tilt_802.11b_high_chan_amb_temp_23.2C_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample; Serial: 2A2114F7

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.828$ mho/m; $\epsilon_r = 39.668$; $\rho = 1000$ 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 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) = 0.247 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 = 12.555 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.3730

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.096 mW/g

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

Maximum value of SAR (measured) = 0.259 mW/g

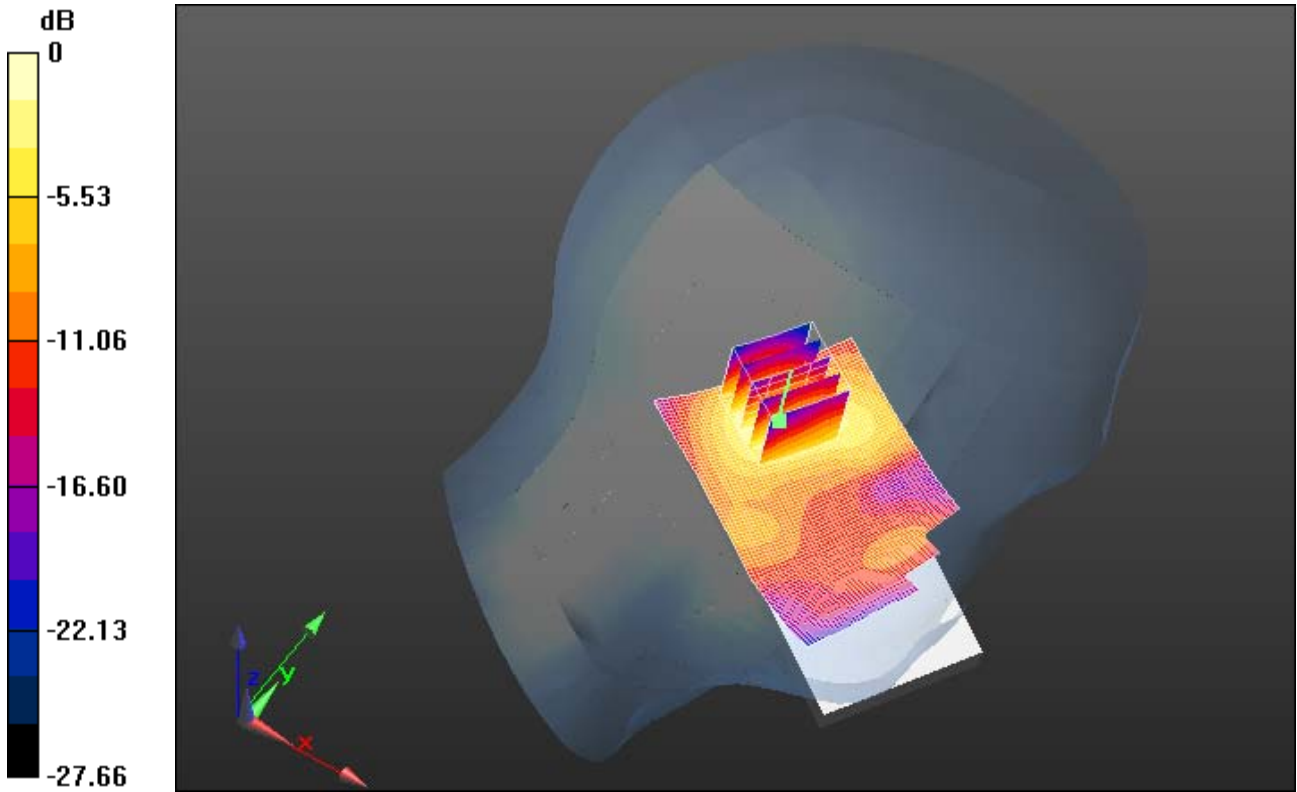
Author Data
Andrew Becker

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July 05 – July 30 , 2012


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0 dB = 0.260mW/g = -11.70 dB mW/g

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Z axis plot for the worst case head configuration

