
	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 1(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/1/2012 9:53:34 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.5_liq_temp_2 2.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.491$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.442 mW/g

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

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

Reference Value = 19.106 V/m; Power Drift = 0.0073 dB

Peak SAR (extrapolated) = 0.5770

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.284 mW/g

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

Maximum value of SAR (measured) = 0.453 mW/g

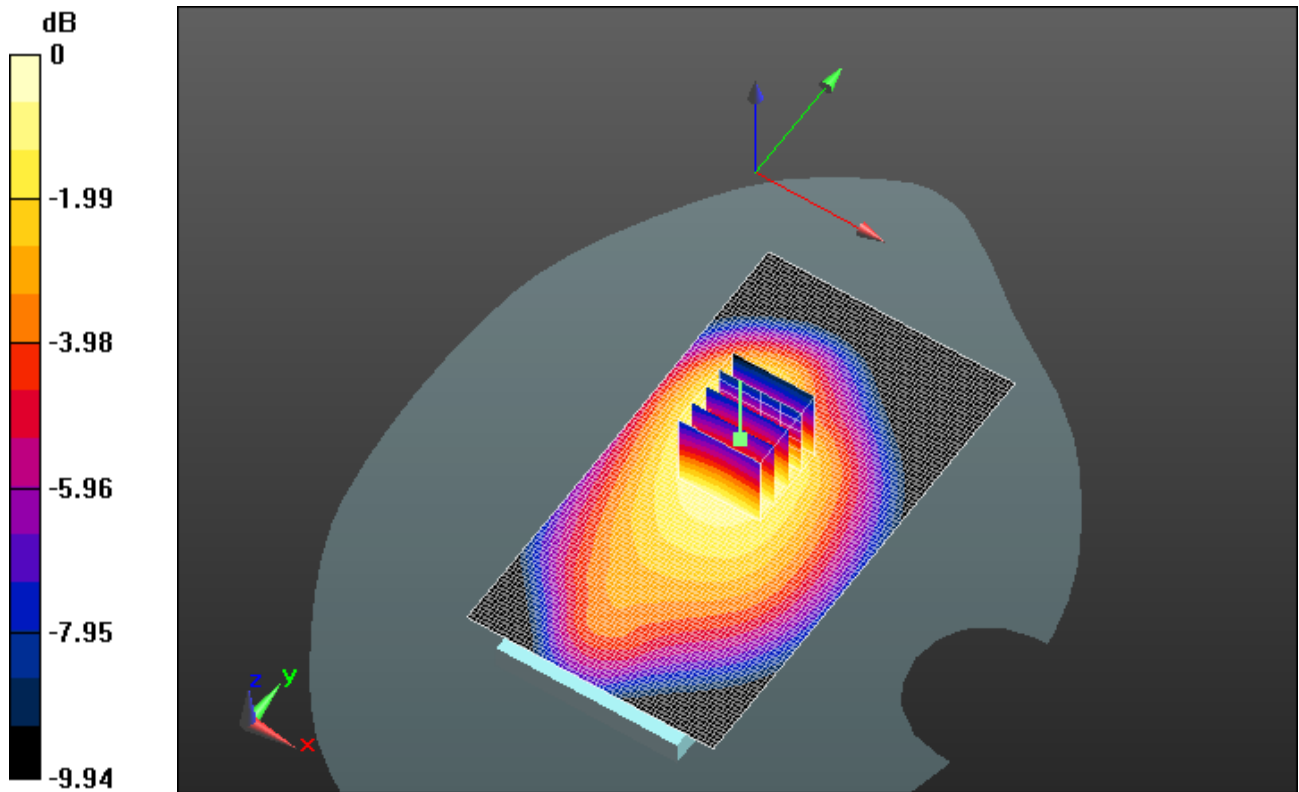
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


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2503A-RFH120LW



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

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Date/Time: 9/24/2012 12:16:53 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS850_mid_chan_amb_temp_23.4_liq_temp_2 2.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 52.965$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.412 mW/g

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

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

Reference Value = 19.952 V/m; Power Drift = -0.23 dB

Peak SAR (extrapolated) = 0.4780

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.269 mW/g

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

Maximum value of SAR (measured) = 0.405 mW/g

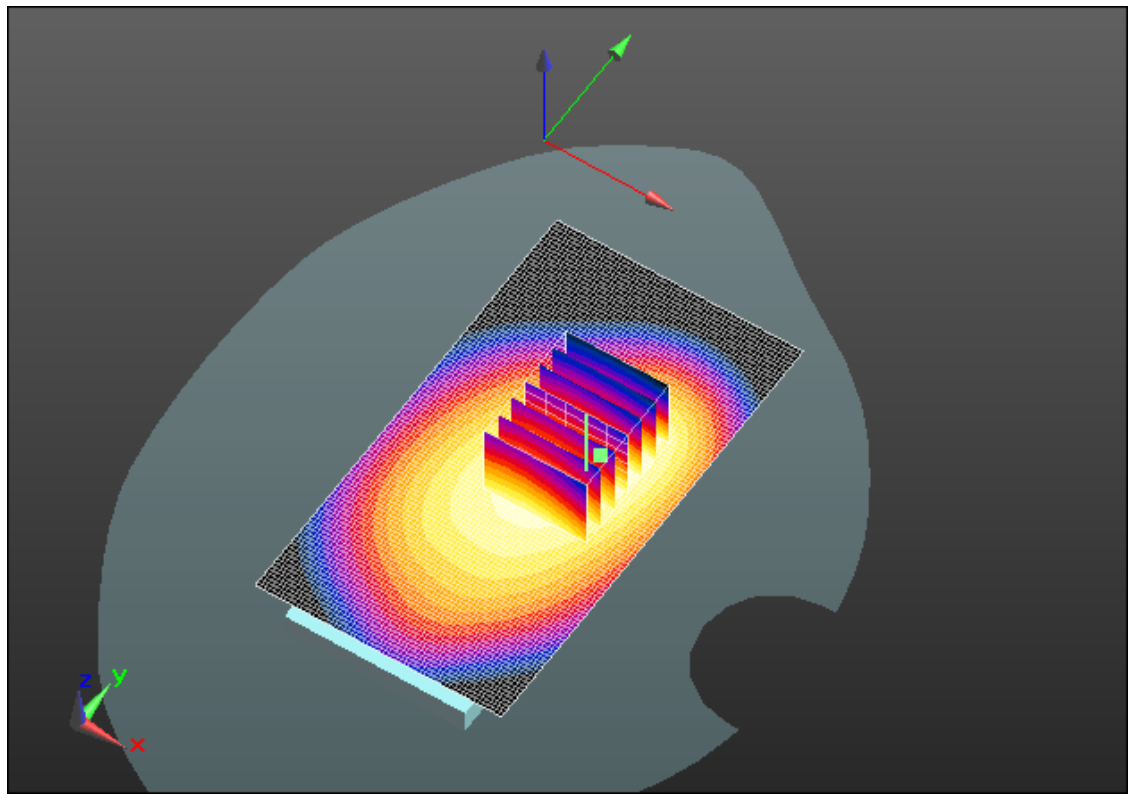
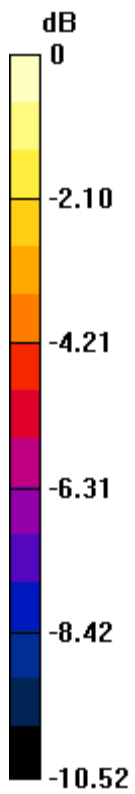
Author Data
Andrew Becker

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IC ID
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0 dB = 0.400mW/g = -7.96 dB mW/g

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Date/Time: 9/24/2012 12:40:52 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_24.8_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 52.965$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.403 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 = 18.776 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.4630

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.264 mW/g

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

Maximum value of SAR (measured) = 0.392 mW/g

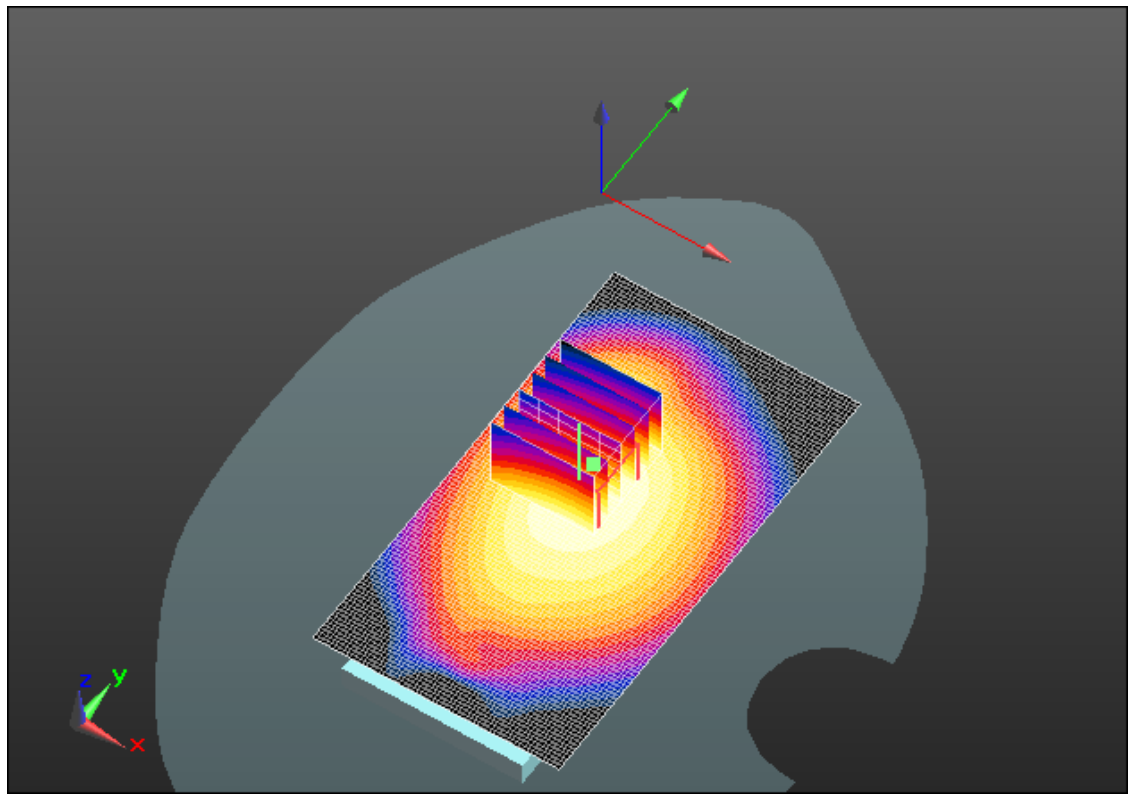
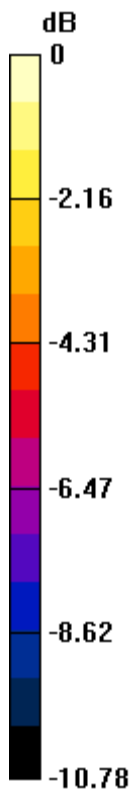
Author Data
Andrew Becker

Dates of Test
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Test Report No
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IC ID
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0 dB = 0.390mW/g = -8.18 dB mW/g

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Date/Time: 9/21/2012 4:05:36 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_Band_V_mid_chan_amb_temp_23.7_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 54.209$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.446 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 = 21.464 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.5160

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.312 mW/g

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

Maximum value of SAR (measured) = 0.451 mW/g

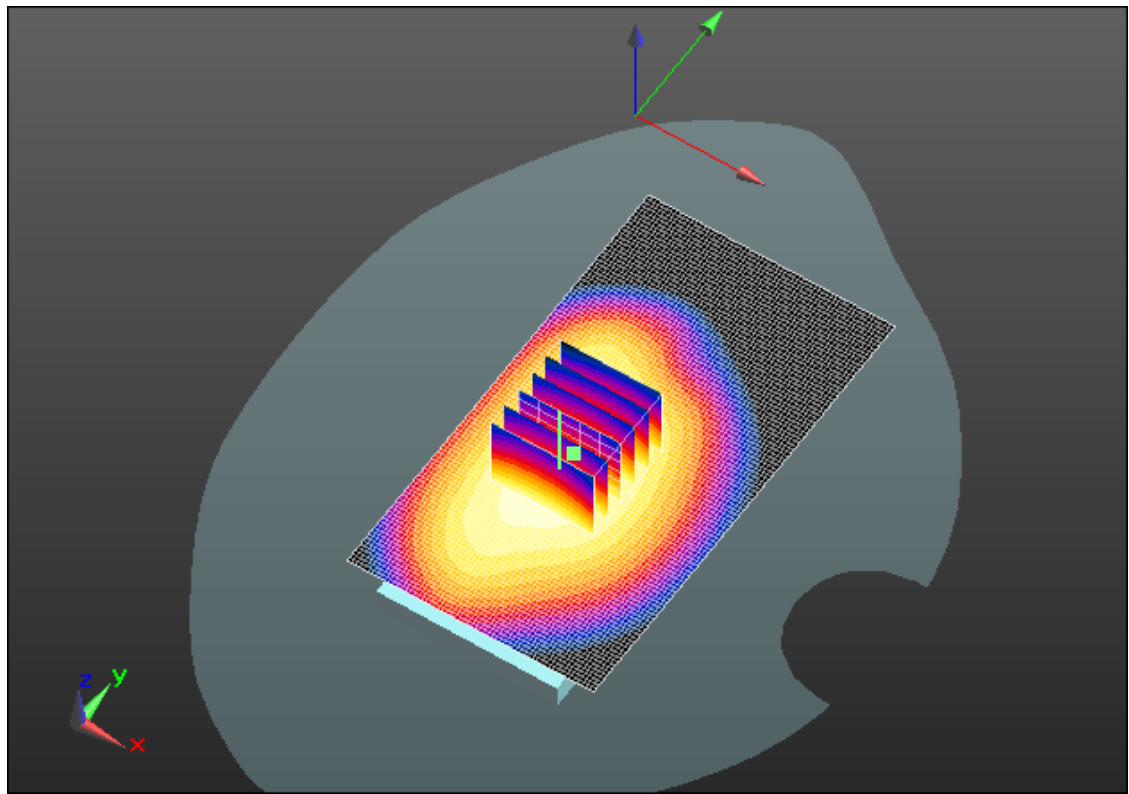
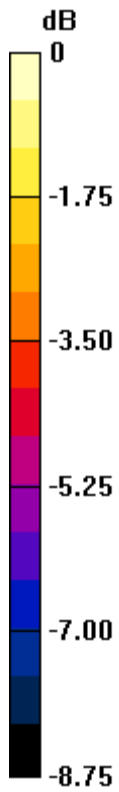
Author Data
Andrew Becker

Dates of Test
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IC ID
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0 dB = 0.450mW/g = -6.94 dB mW/g

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Date/Time: 11/1/2012 9:25:28 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_UMTS_Band_V_mid_chan_amb_temp_23.8_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.497$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.471 mW/g

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

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

Reference Value = 22.518 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.5290

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.321 mW/g

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

Maximum value of SAR (measured) = 0.461 mW/g

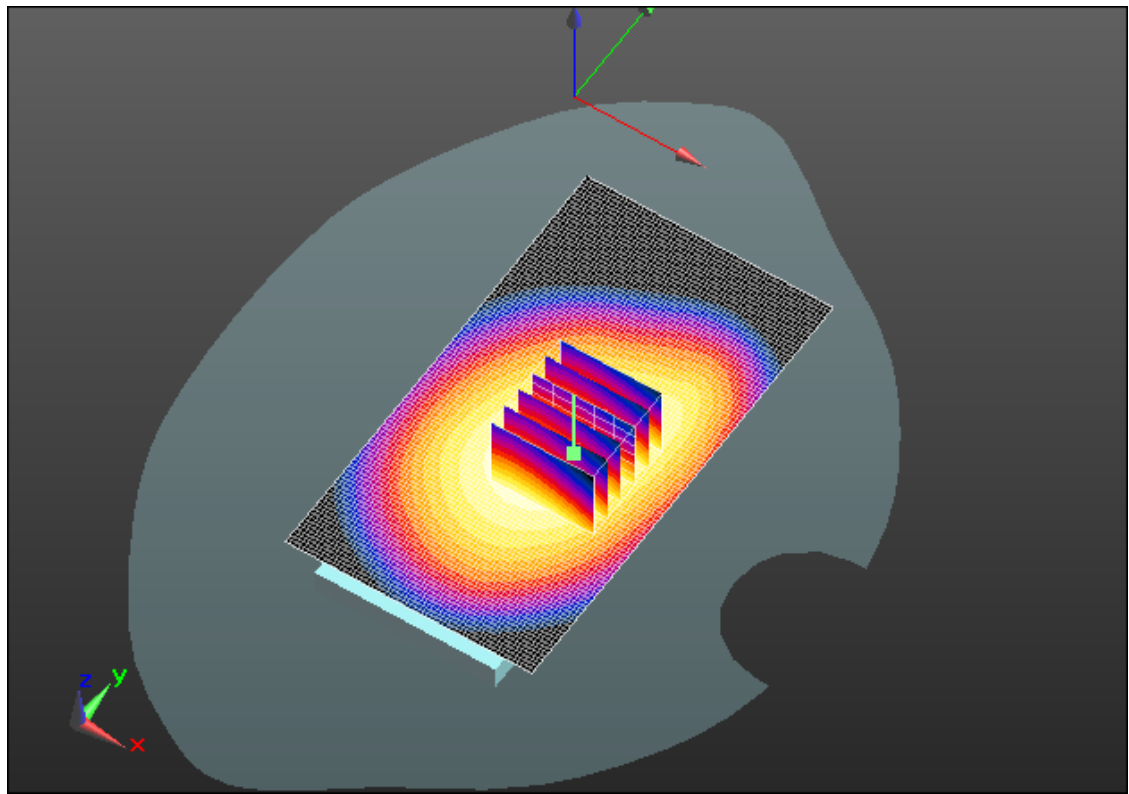
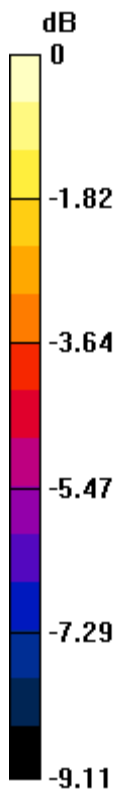
Author Data
Andrew Becker

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0 dB = 0.460mW/g = -6.74 dB mW/g

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Date/Time: 9/24/2012 1:12:33 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_Band_V_mid_chan_amb_temp_24.6_liq_t emp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: WCDMA FDD V; Frequency: 836.4 MHz

Medium parameters used (interpolated): $f = 836.4$ MHz; $\sigma = 0.949$ mho/m; $\epsilon_r = 52.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.07, 6.07, 6.07); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.413 mW/g

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

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

Reference Value = 21.126 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.4790

SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.294 mW/g

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

Maximum value of SAR (measured) = 0.424 mW/g

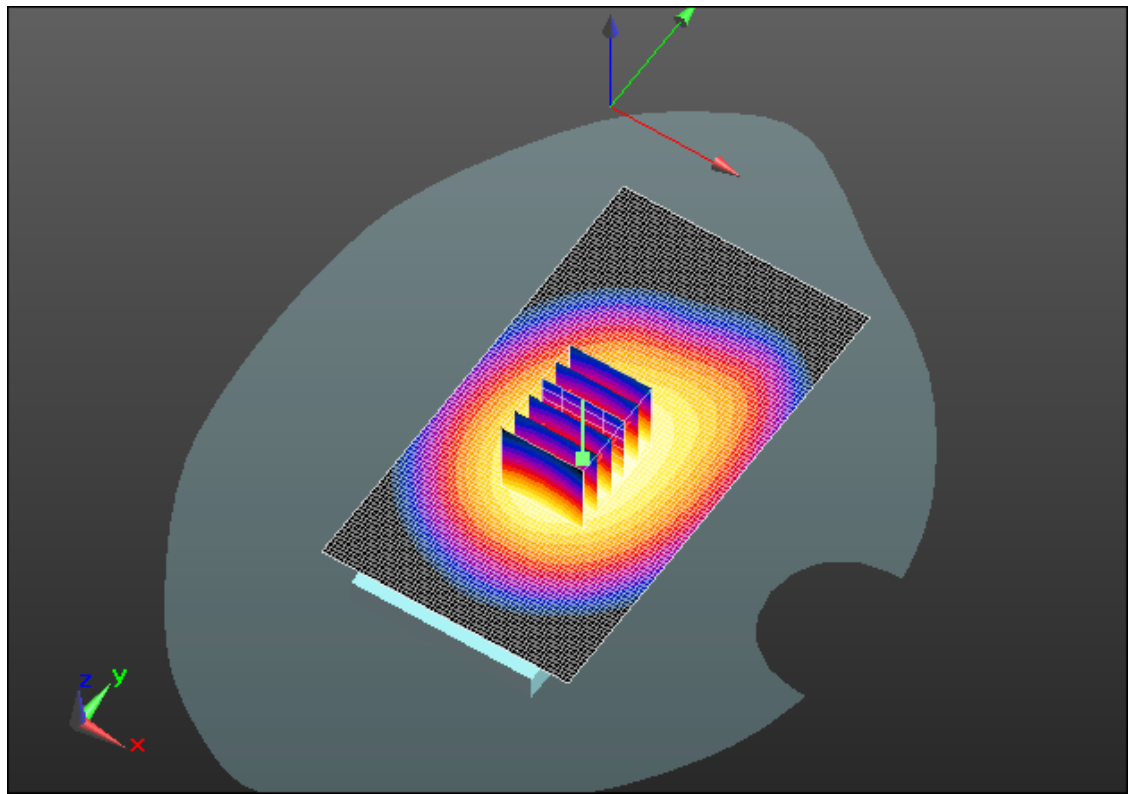
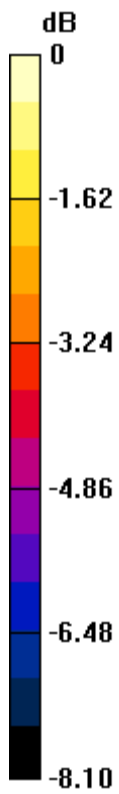
Author Data
Andrew Becker

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0 dB = 0.420mW/g = -7.54 dB mW/g

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Date/Time: 9/19/2012 11:35:29 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.9_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.559$ mho/m; $\epsilon_r = 50.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.810 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 = 6.518 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.9980

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.763 mW/g

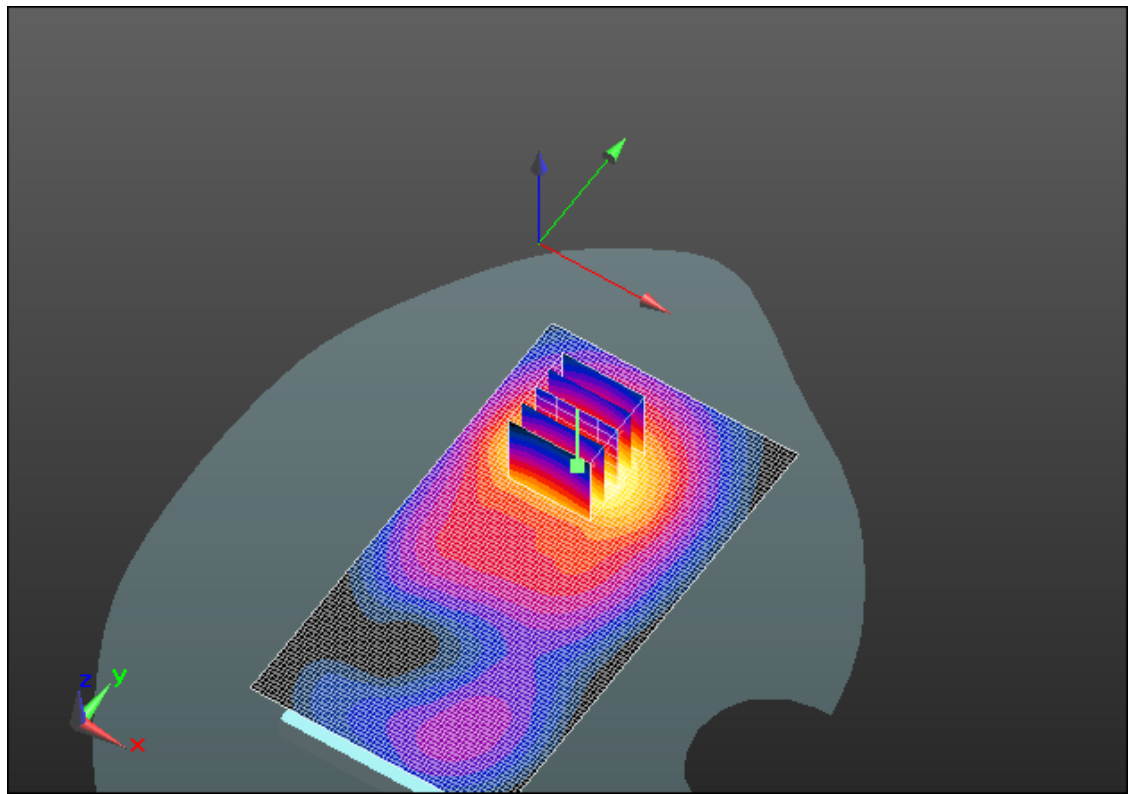
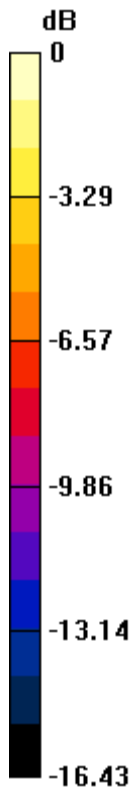
Author Data
Andrew Becker

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0 dB = 0.760mW/g = -2.38 dB mW/g

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Date/Time: 9/19/2012 1:33:48 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS1900_mid_chan_amb_temp_23.9_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.559$ mho/m; $\epsilon_r = 50.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.661 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 = 7.260 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.8870

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.672 mW/g

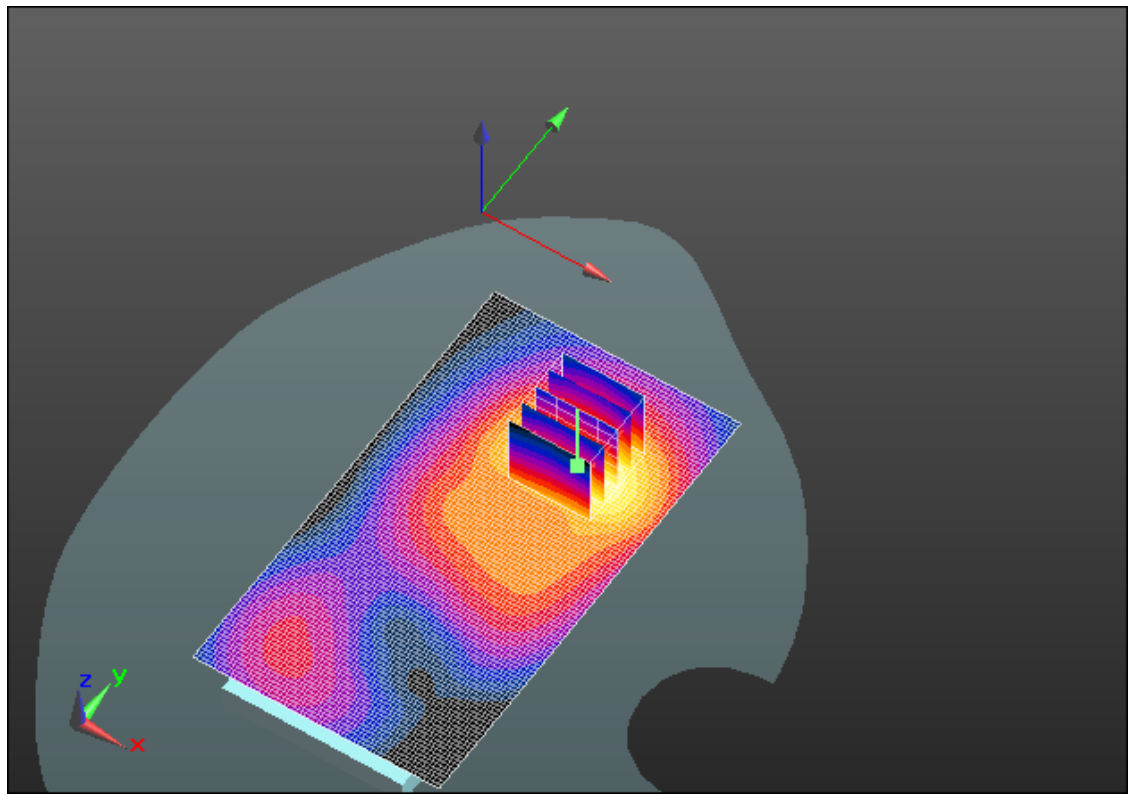
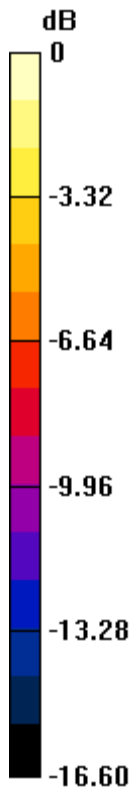
Author Data
Andrew Becker

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IC ID
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0 dB = 0.670mW/g = -3.48 dB mW/g

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Date/Time: 9/19/2012 3:20:29 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_23.9_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.559$ mho/m; $\epsilon_r = 50.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.578 mW/g

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

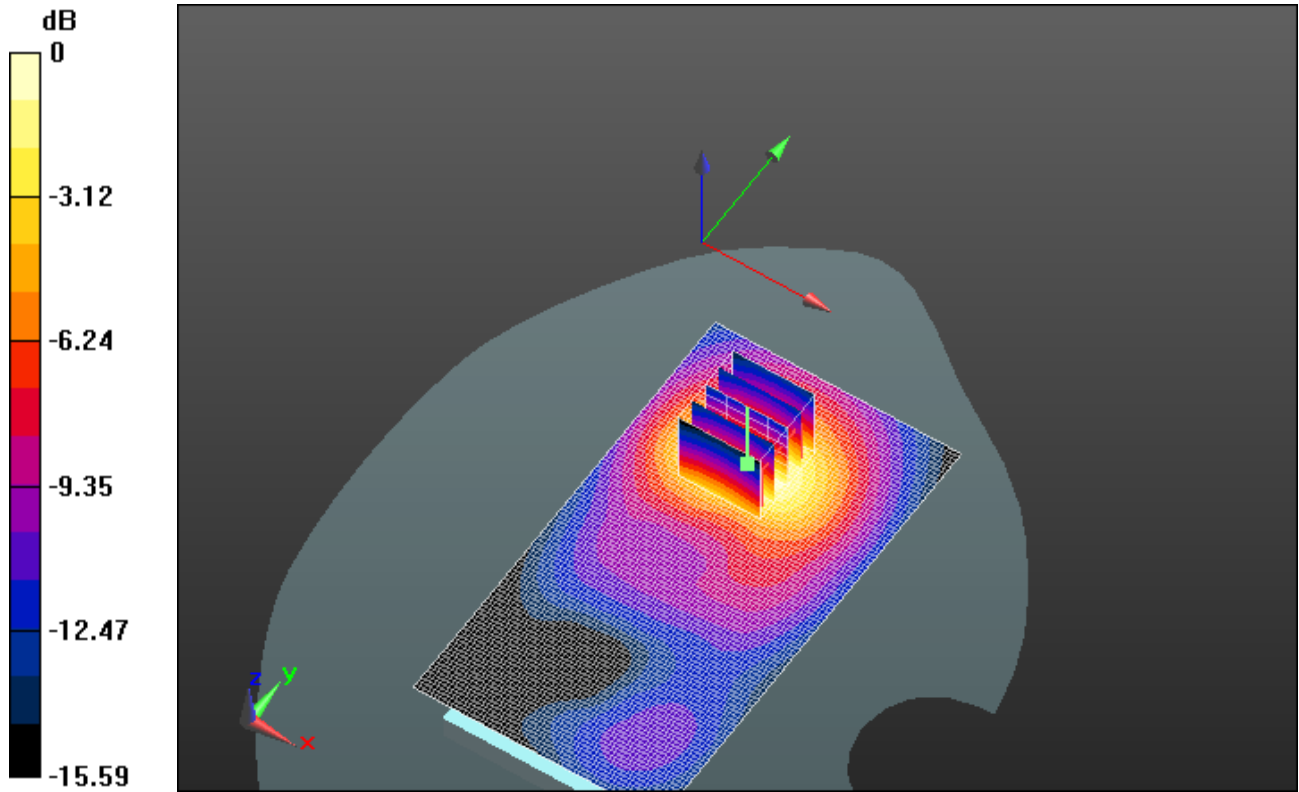
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.712 V/m; Power Drift = -0.20 dB


Peak SAR (extrapolated) = 0.7270

SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.266 mW/g

Maximum value of SAR (measured) = 0.547 mW/g



0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 11/2/2012 3:17:47 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS_1900_3-
slots_low_chan_amb_temp_23.3_liq_temp_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

Communication System: GPRS 1900 (3-slots); Frequency: 1850.2 MHz
Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.491$ mho/m; $\epsilon_r = 52.379$;
 $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 1.240 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 = 7.187 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.6560
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.593 mW/g

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

Maximum value of SAR (measured) = 1.242 mW/g

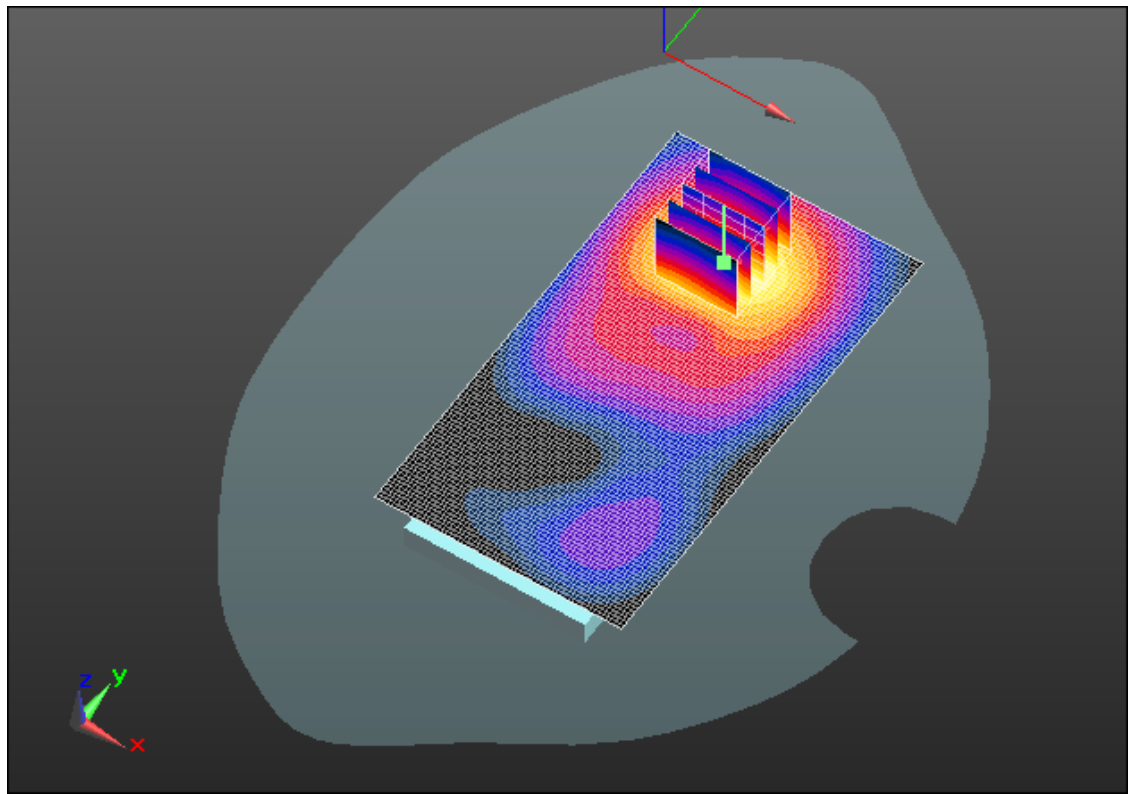
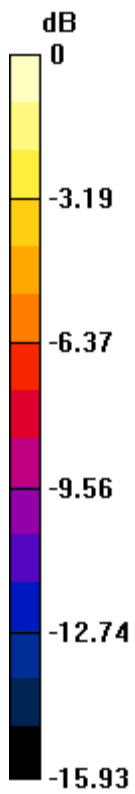
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 1.240mW/g = 1.87 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 22(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/2/2012 3:00:30 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS_1900_3-
slots_mid_chan_amb_temp_23.3_liq_temp_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

Communication System: GPRS 1900 (3-slots); Frequency: 1880 MHz
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r = 52.284$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.288 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 = 6.968 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.7500
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.613 mW/g
Maximum value of SAR (measured) = 1.288 mW/g

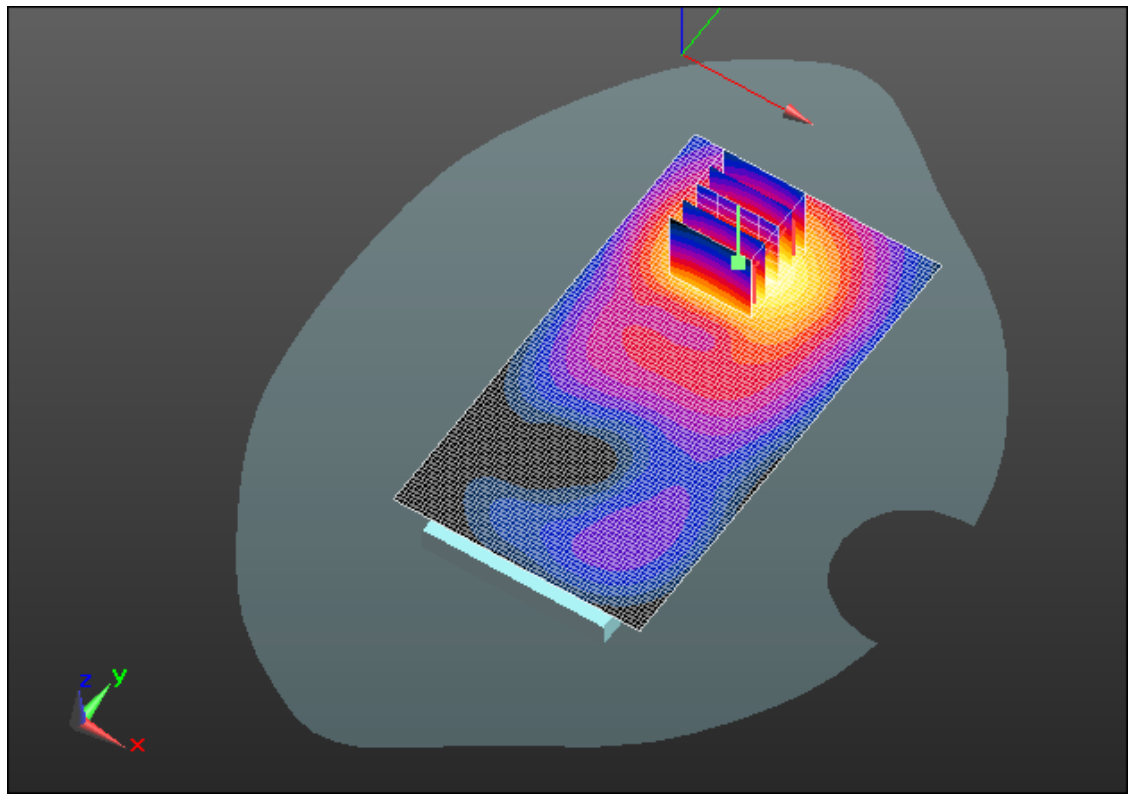
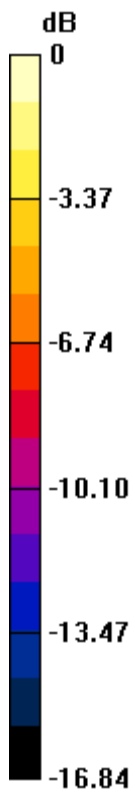
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 1.290mW/g = 2.21 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 24(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/2/2012 3:43:51 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_GPRS_1900_3-
slots_high_chan_amb_temp_23.3_liq_temp_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

Communication System: GPRS 1900 (3-slots); Frequency: 1909.8 MHz
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 52.127$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.92, 4.92, 4.92); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x111x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.265 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 = 6.885 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.7350
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.597 mW/g
Maximum value of SAR (measured) = 1.271 mW/g

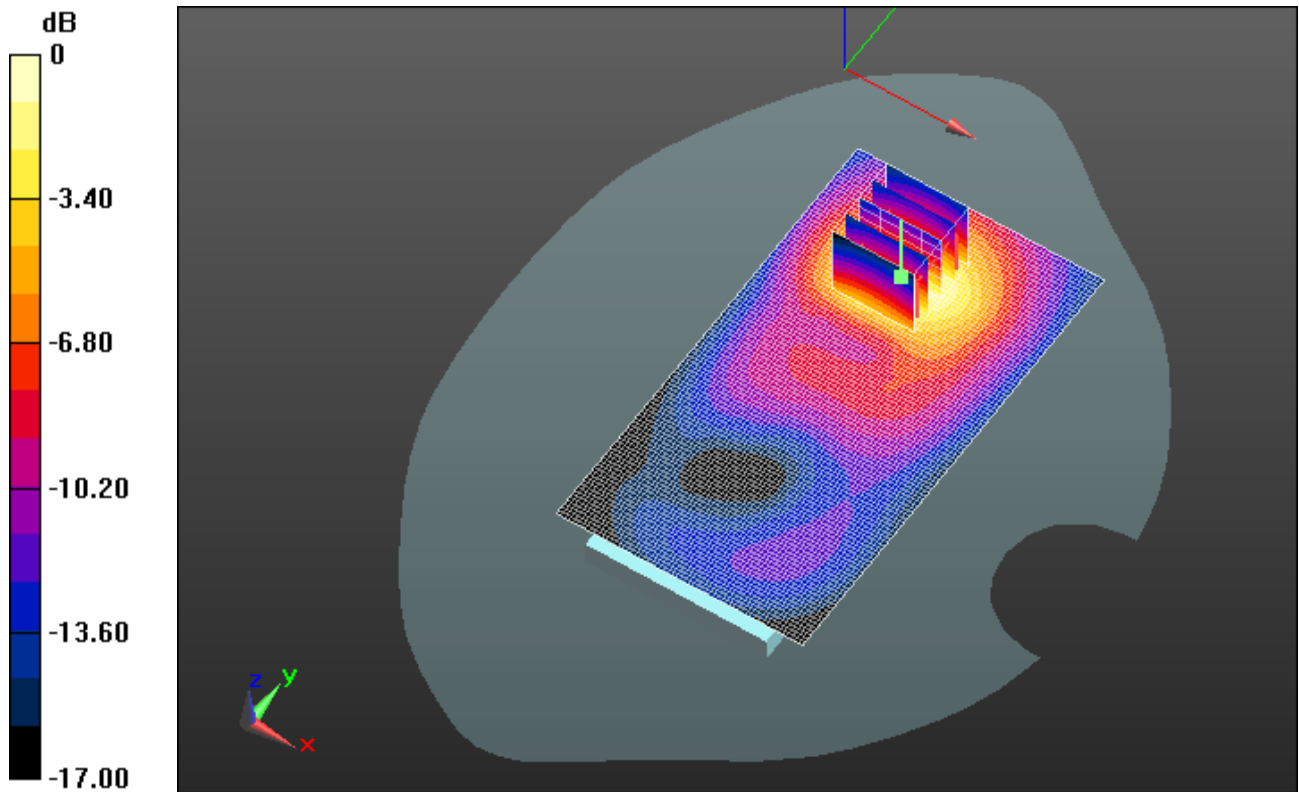
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 1.270mW/g = 2.08 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 26(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/6/2012 1:41:46 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11b_high_chan_amb_temp_23.1_liq_temp_21
.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.197$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.136 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 = 2.594 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.3120

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.070 mW/g

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

Maximum value of SAR (measured) = 0.199 mW/g

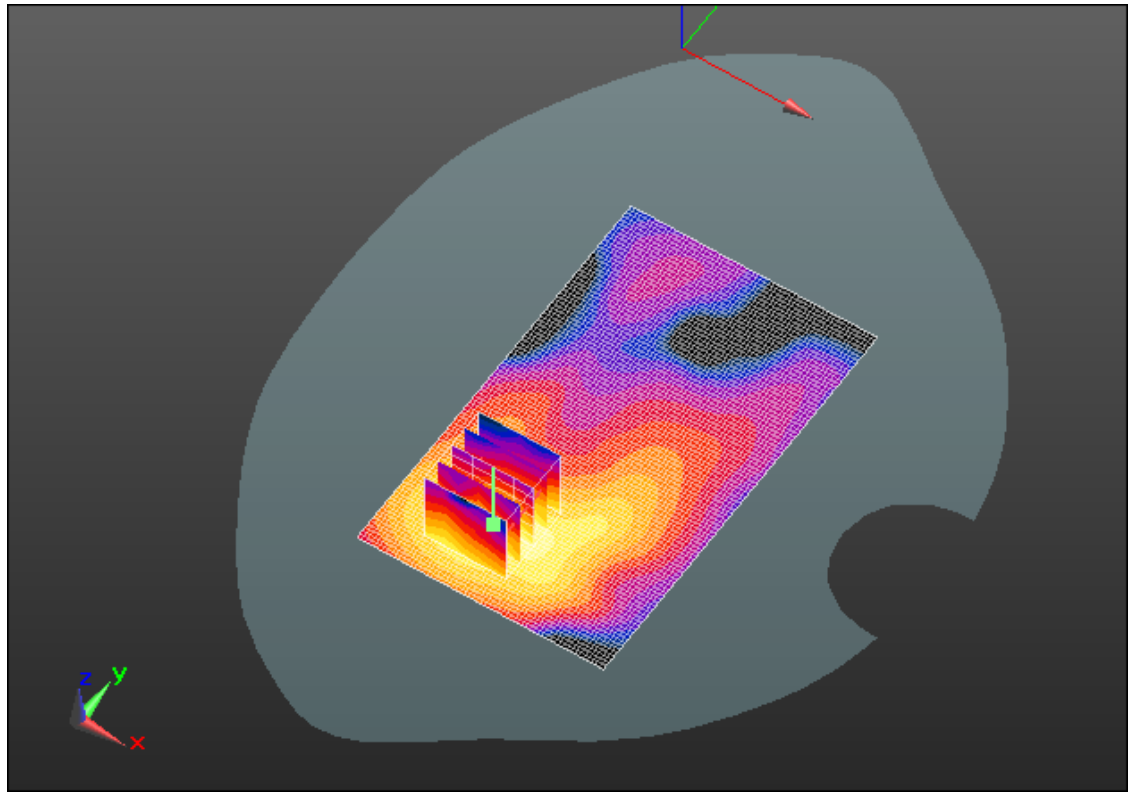
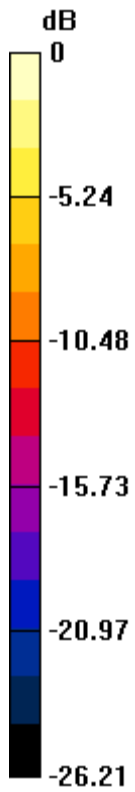
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



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

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 28(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/6/2012 2:39:26 AM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_802.11b_high_chan_amb_temp_23.1_liq_temp_21
.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.197$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- 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) = 0.071 mW/g

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

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

Reference Value = 2.381 V/m; Power Drift = 0.48 dB

Peak SAR (extrapolated) = 0.1370

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.031 mW/g

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

Maximum value of SAR (measured) = 0.088 mW/g

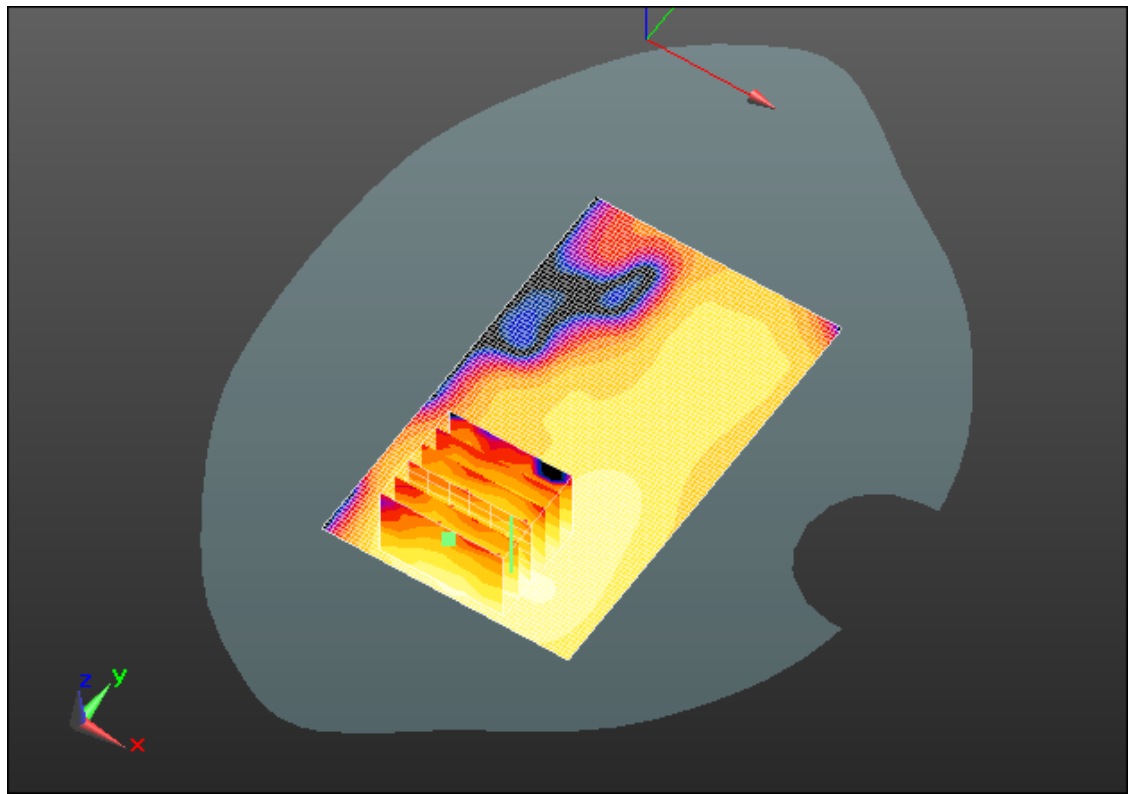
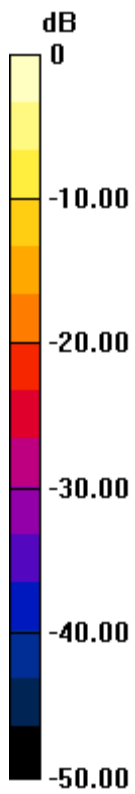
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 0.090mW/g = -20.92 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 30(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 11/6/2012 9:33:52 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_high_chan_amb_temp_23.5_liq_temp_2 2.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52.197$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.3, 4.3, 4.3); Calibrated: 1/11/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position -/Area Scan (61x101x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.105 mW/g

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

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

Reference Value = 3.029 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.1510

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.047 mW/g

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

Maximum value of SAR (measured) = 0.103 mW/g

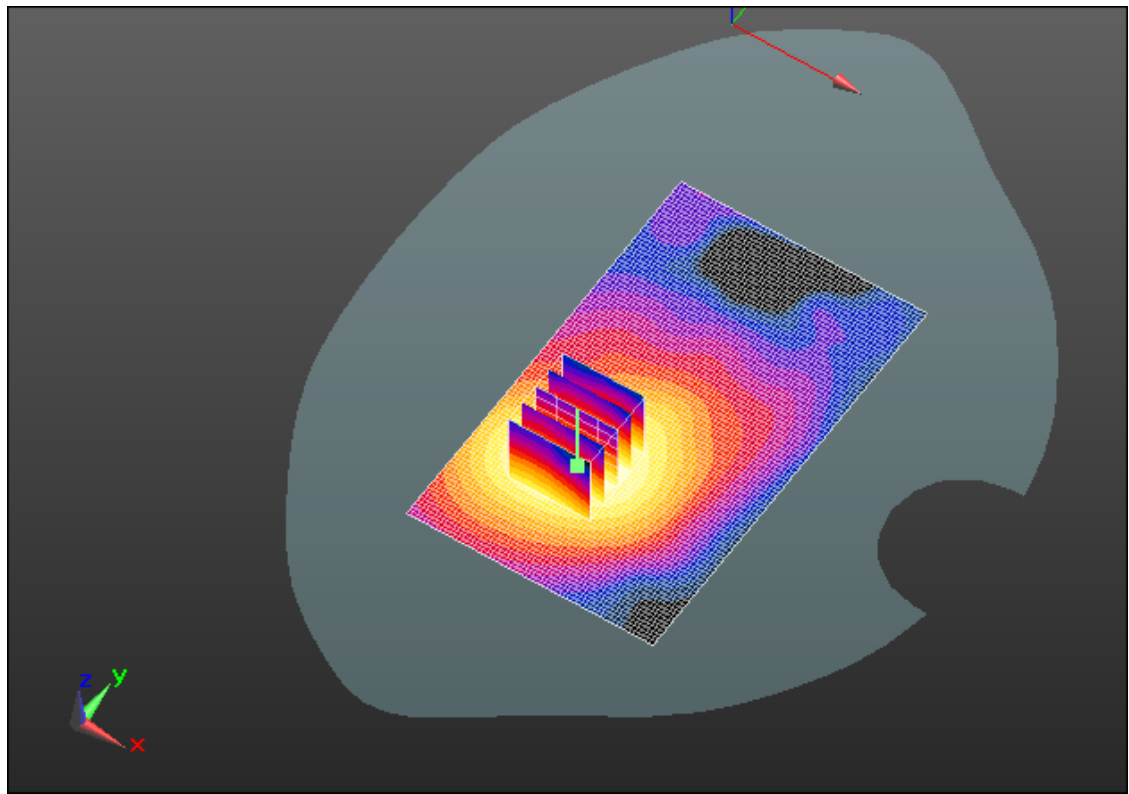
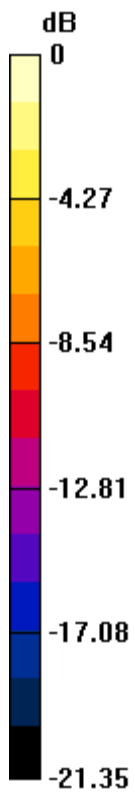
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



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

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 32(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 12:56:42 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11a_low_band_chan_48_amb_temp_24.3_liq
temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5240 MHz

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.198$ mho/m; $\epsilon_r = 46.749$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.503 mW/g

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step

(4x4x2.5mm), dist=2mm (9x9x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 8.327 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.9370

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.500 mW/g

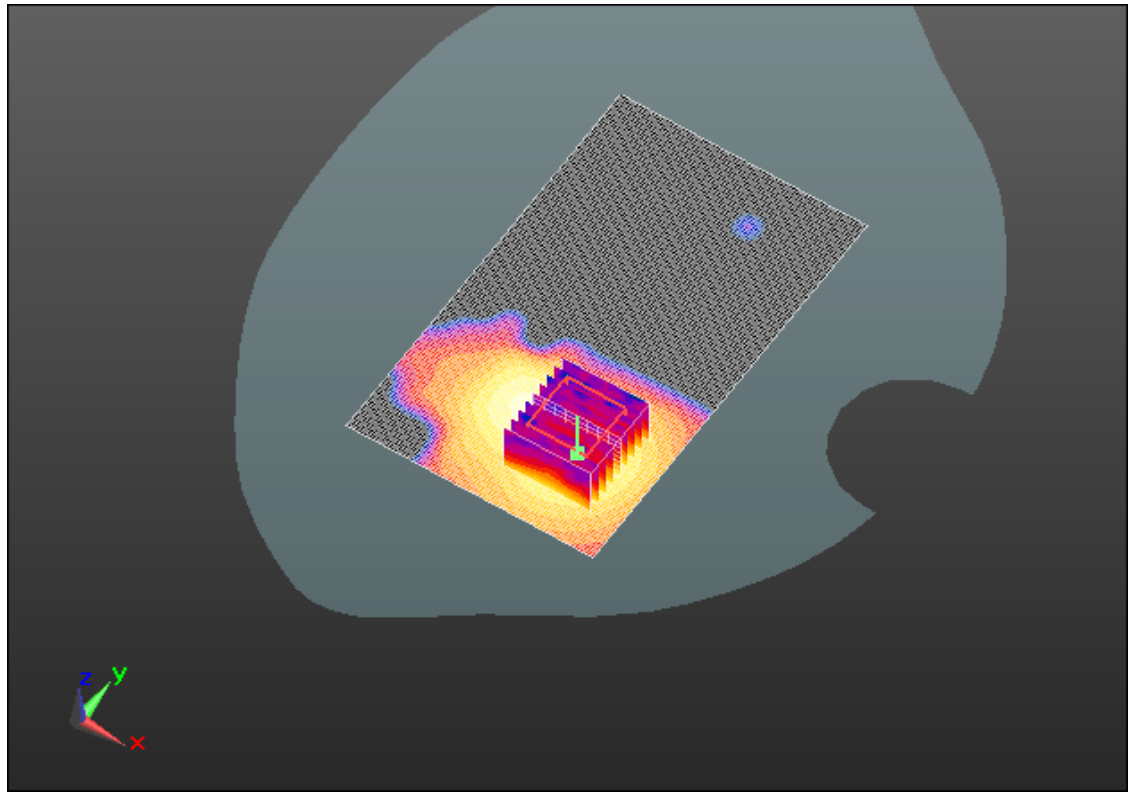
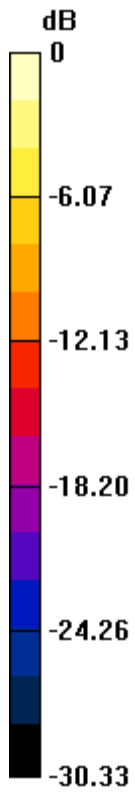
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 0.500mW/g = -6.02 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 34(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 2:05:45 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11a_mid_band_chan_64_amb_temp_24.4_liq
_temp_22.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5320 MHz

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.315$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.421 mW/g

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step (4x4x2.5mm), dist=2mm (9x9x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 9.671 V/m; Power Drift = -0.27 dB

Peak SAR (extrapolated) = 0.7050

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.419 mW/g

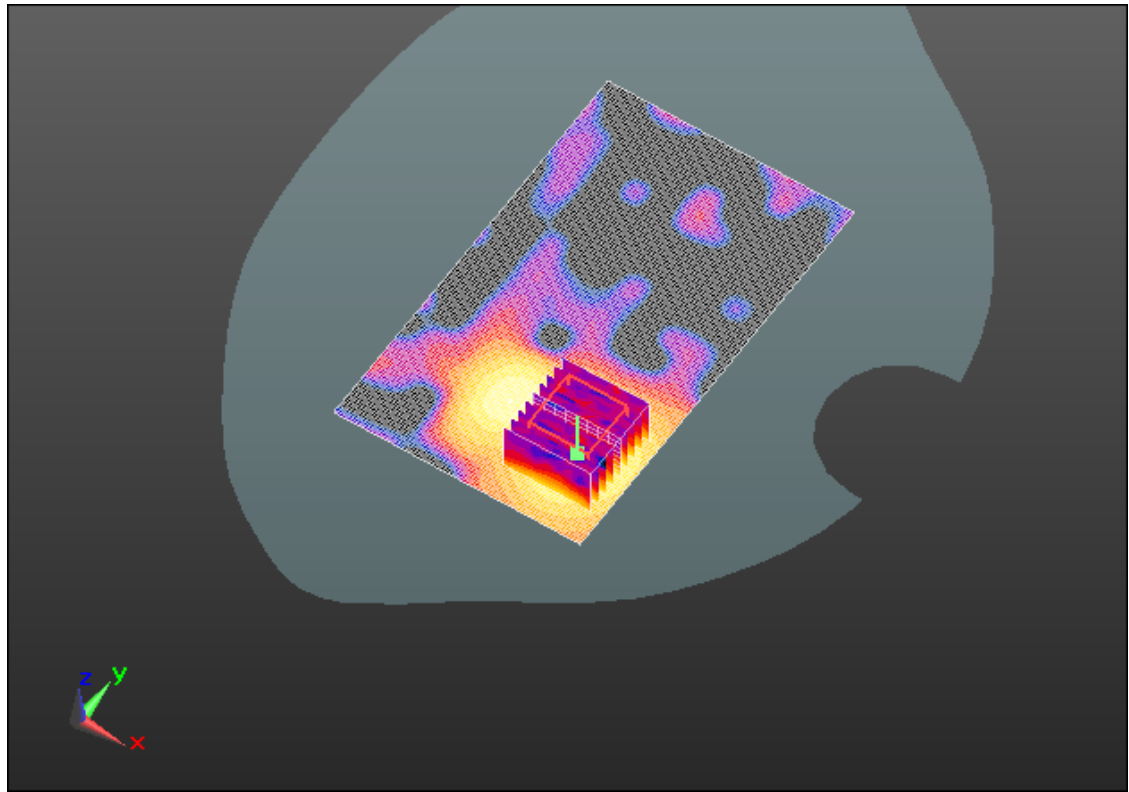
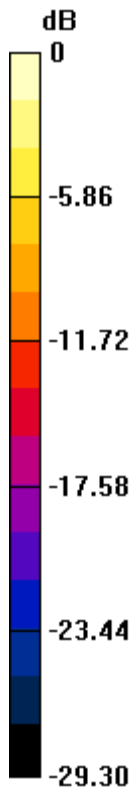
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 0.420mW/g = -7.54 dB mW/g

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 36(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 3:03:39 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11a_upper_band_I_chan_124_amb_temp_24.
3_liq_temp_22.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5620 MHz

Medium parameters used: $f = 5620$ MHz; $\sigma = 5.84$ mho/m; $\epsilon_r = 46.802$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.62, 3.62, 3.62); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.374 mW/g

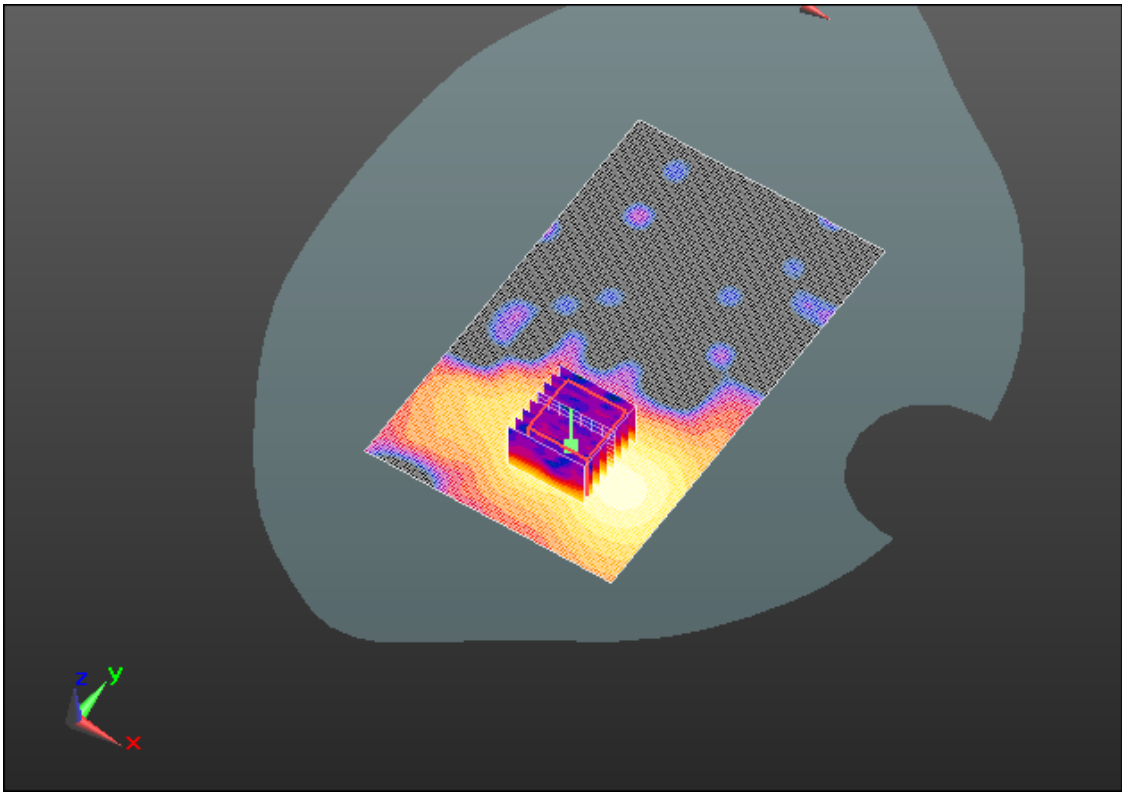
**Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step
(4x4x2.5mm), dist=2mm (8x8x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,
dz=2.5mm

Reference Value = 7.878 V/m; Power Drift = 0.01 dB


Peak SAR (extrapolated) = 0.7250

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.382 mW/g



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

	Document Appendix C1 for the BlackBerry® Smartphone Model RFH121LW SAR Report			Page 38(48)
	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 3:53:13 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11a_upper_band_II_chan_149_amb_temp_24
.1_liq_temp_22.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5745 MHz

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.952$ mho/m; $\epsilon_r = 46.304$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(3.54, 3.54, 3.54); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.434 mW/g

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step

(4x4x2.5mm), dist=2mm (8x8x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 8.986 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.8060

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.445 mW/g

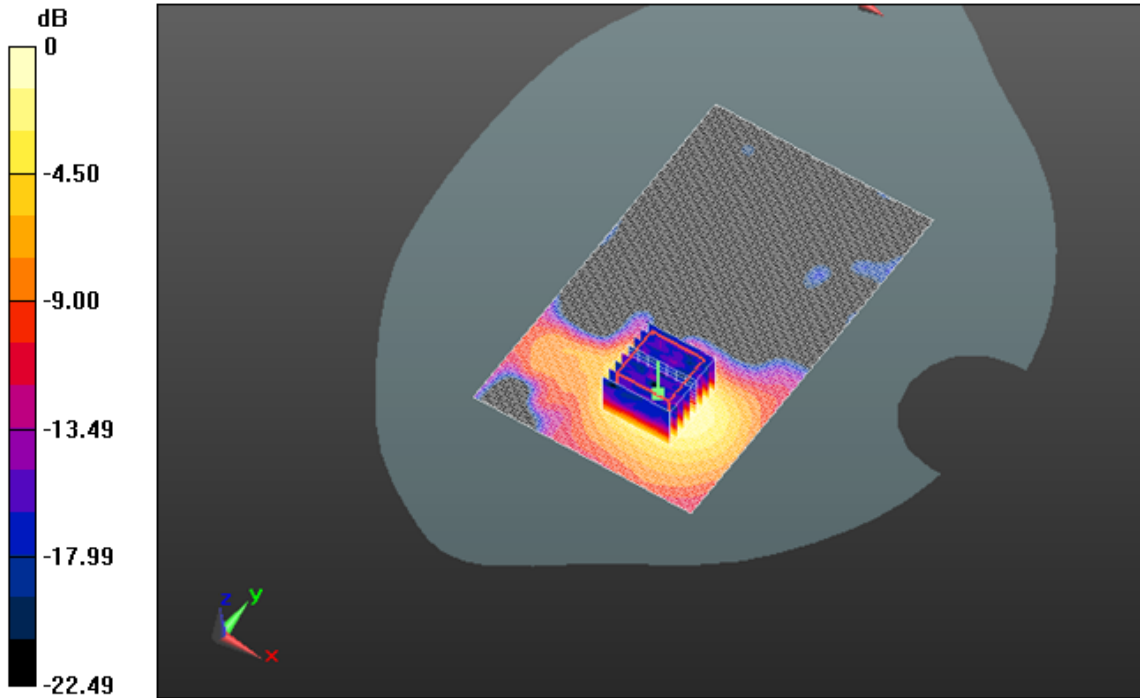
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012


Test Report No
RTS-6012-1211-22

FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



0 dB = 0.440mW/g = -7.13 dB mW/g

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	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 5:51:01 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_802.11a_low_band_chan_48_amb_temp_24.0_liq
_temp_22.7C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5240 MHz

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.198$ mho/m; $\epsilon_r = 46.749$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.277 mW/g

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step

(4x4x2.5mm), dist=2mm (9x9x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 8.018 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.4790

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.061 mW/g

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

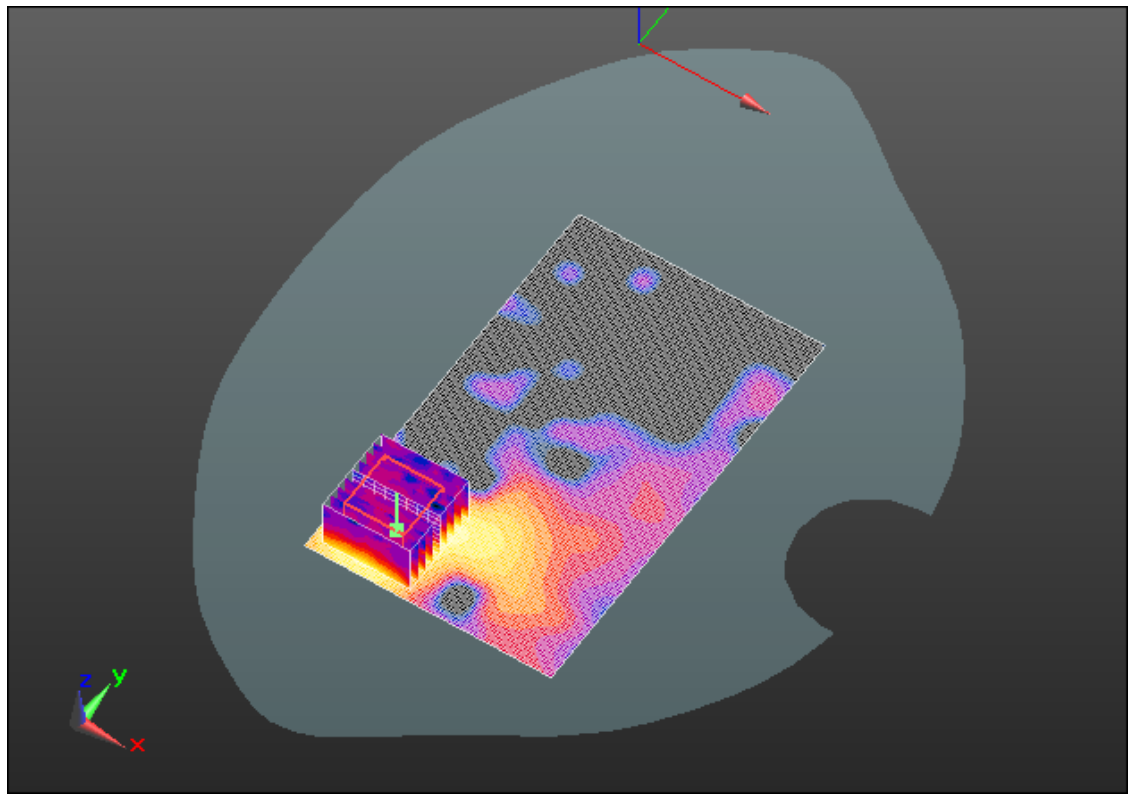
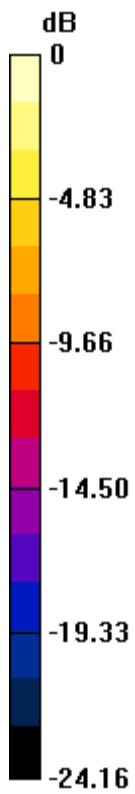
Author Data
Andrew Becker

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FCC ID:
L6ARFH120LW

IC ID
2503A-RFH120LW



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

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Date/Time: 10/16/2012 7:48:32 PM

Test Laboratory: RIM Testing Services

**Vertical_Holster_Back_802.11a_low_band_chan_48_amb_temp_23.0_liq
_temp_21.5C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5240 MHz

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.198$ mho/m; $\epsilon_r = 46.749$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.330 mW/g

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step

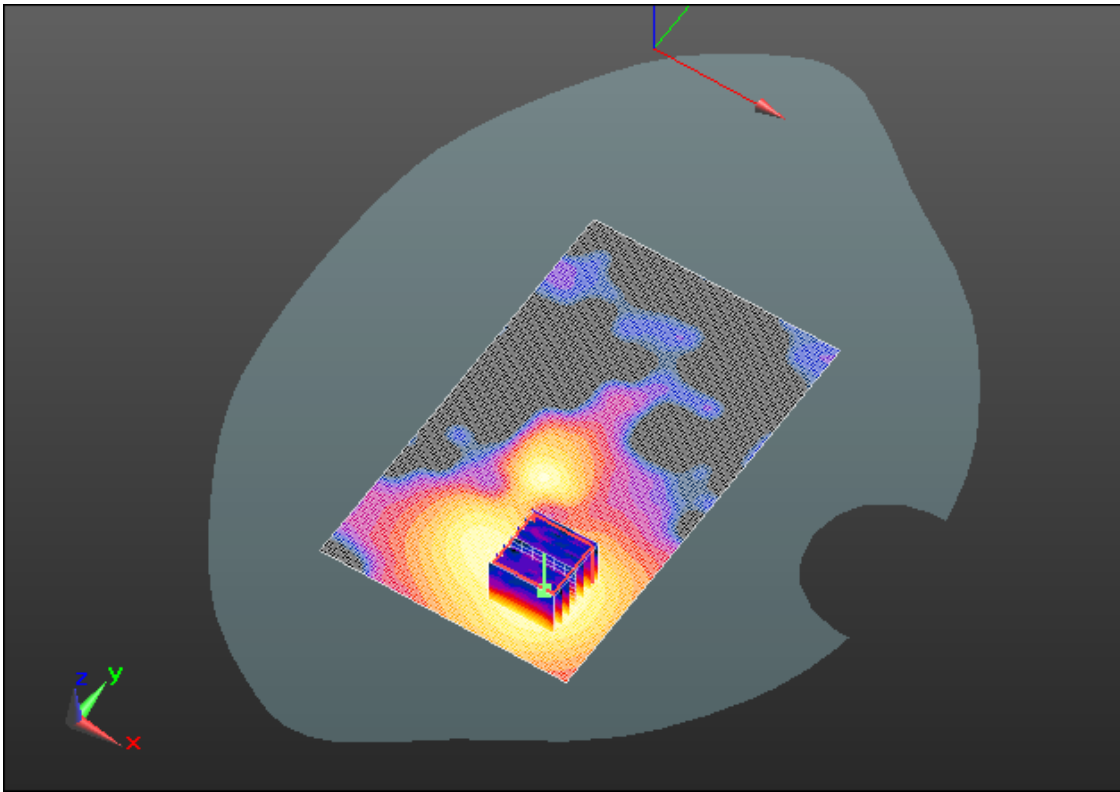
(4x4x2.5mm), dist=2mm (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 8.865 V/m; Power Drift = -0.04 dB


Peak SAR (extrapolated) = 0.5570

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.329 mW/g



0 dB = 0.330mW/g = -9.63 dB mW/g

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	Author Data Andrew Becker	Dates of Test Sept 18 – Nov 7, 2012	Test Report No RTS-6012-1211-22	FCC ID: L6ARFH120LW

Date/Time: 10/16/2012 8:34:00 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_802.11a_low_band_chan_48_amb_temp
_23.1_liq_temp_21.6C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 2A781058

Communication System: 802.11a ; Frequency: 5240 MHz

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.198$ mho/m; $\epsilon_r = 46.749$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2011
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS2 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:

$dx=10$ mm, $dy=10$ mm

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

Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step

(4x4x2.5mm), dist=2mm (8x8x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2.5$ mm

Reference Value = 8.610 V/m; Power Drift = 0.41 dB

Peak SAR (extrapolated) = 0.6320

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.364 mW/g

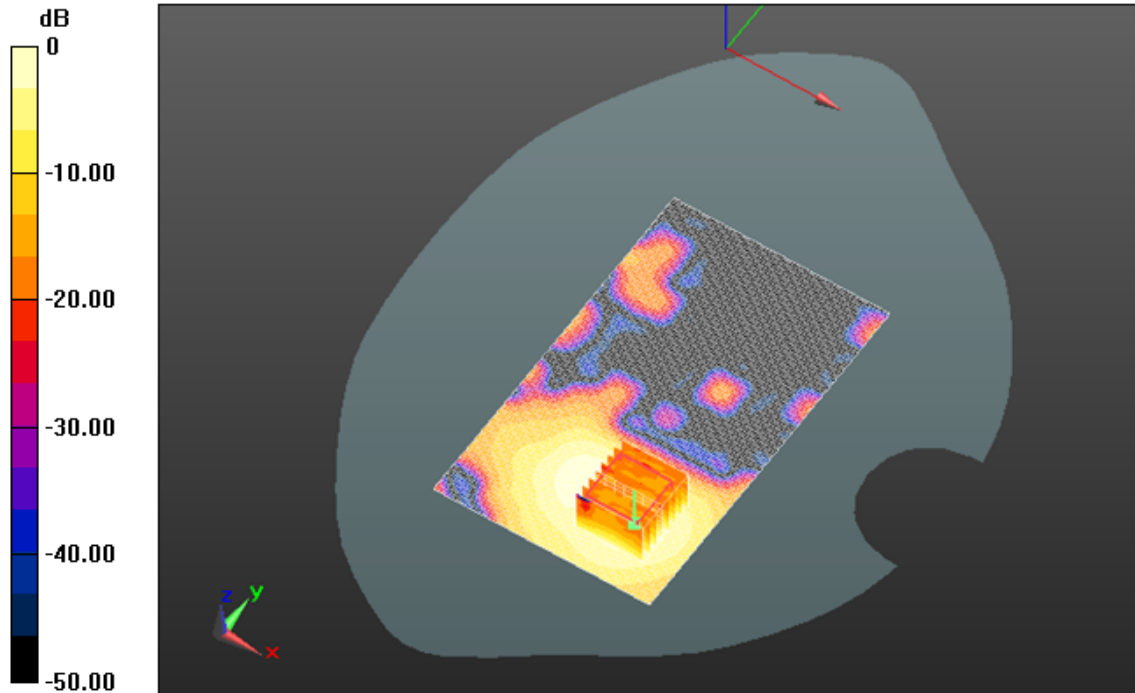
Author Data
Andrew Becker

Dates of Test
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FCC ID:
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IC ID
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0 dB = 0.360mW/g = -8.87 dB mW/g

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Date/Time: 11/7/2012 3:37:01 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11a_mid_band_chan_64_amb_temp_24.2_liq
_temp_22.4C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25B217A1

Communication System: 802.11a ; Frequency: 5320 MHz

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.418$ mho/m; $\epsilon_r = 48.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF(4.55, 4.55, 4.55); Calibrated: 1/14/2012
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 21.0$
- Electronics: DAE3 Sn473; Calibrated: 1/13/2012
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

Configuration/Touch position - 2/Area Scan (91x151x1): Measurement grid:
dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.287 mW/g

**Configuration/Touch position - 2/Zoom Scan -Ext(24x24x20), Step
(4x4x2.5mm), dist=2mm (8x8x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,
dz=2.5mm

Reference Value = 1.518 V/m; Power Drift = 0.55 dB

Peak SAR (extrapolated) = 0.4740

SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.270 mW/g

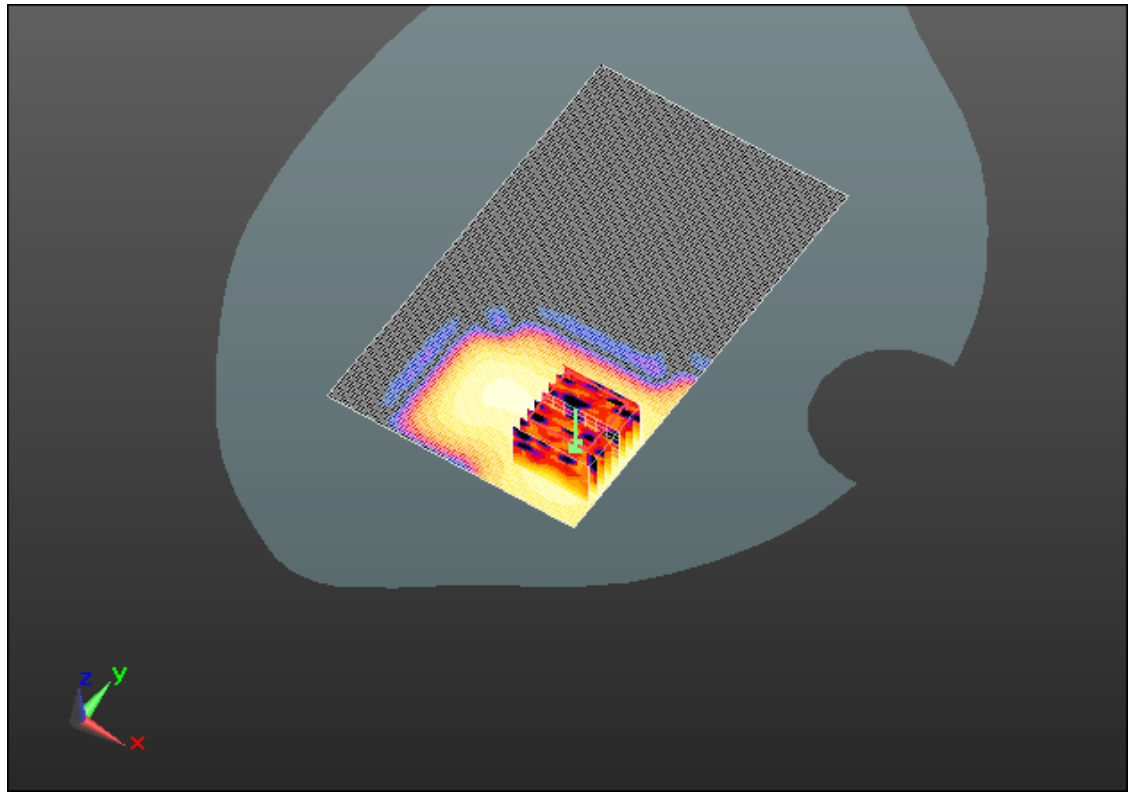
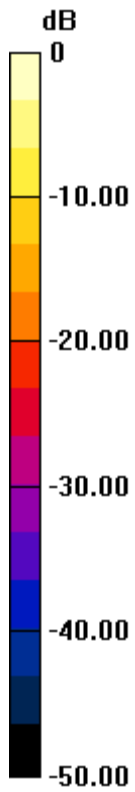
Author Data
Andrew Becker

Dates of Test
Sept 18 – Nov 7, 2012

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RTS-6012-1211-22

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0 dB = 0.270mW/g = -11.37 dB mW/g

Z axis plot for the worst case body configuration

