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	Author Data Andrew Becker	Dates of Test January 18 – 25 , 2012	Test Report No RTS-5993-1202-01	FCC ID: L6AREX40GW

APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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Andrew Becker	January 18 – 25 , 2012	RTS-5993-1202-01	L6AREX40GW	2503A-REX40GW

Date/Time: 1/19/2012 11:15:54 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_22.7_liq_temp_2 0.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 56.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.29, 6.29, 6.29); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.538 mW/g

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

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

Reference Value = 22.901 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.6610

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.370 mW/g

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

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

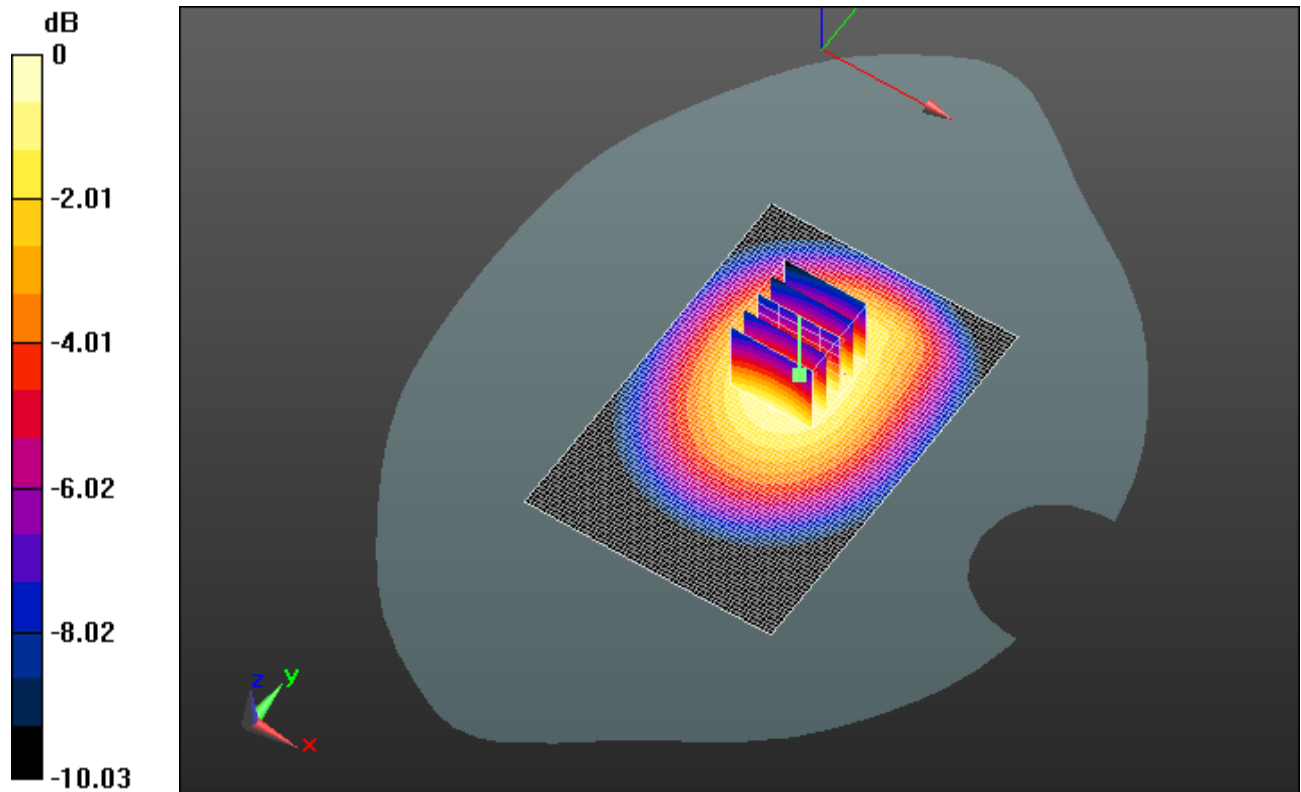
Author Data
Andrew Becker

Dates of Test
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0 dB = 0.550mW/g = -5.19 dB mW/g

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Date/Time: 1/19/2012 11:35:50 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS850_mid_chan_amb_temp_22.9_liq_temp_2 0.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 56.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.29, 6.29, 6.29); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

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

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

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

Reference Value = 19.209 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.4380

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.264 mW/g

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

Maximum value of SAR (measured) = 0.376 mW/g

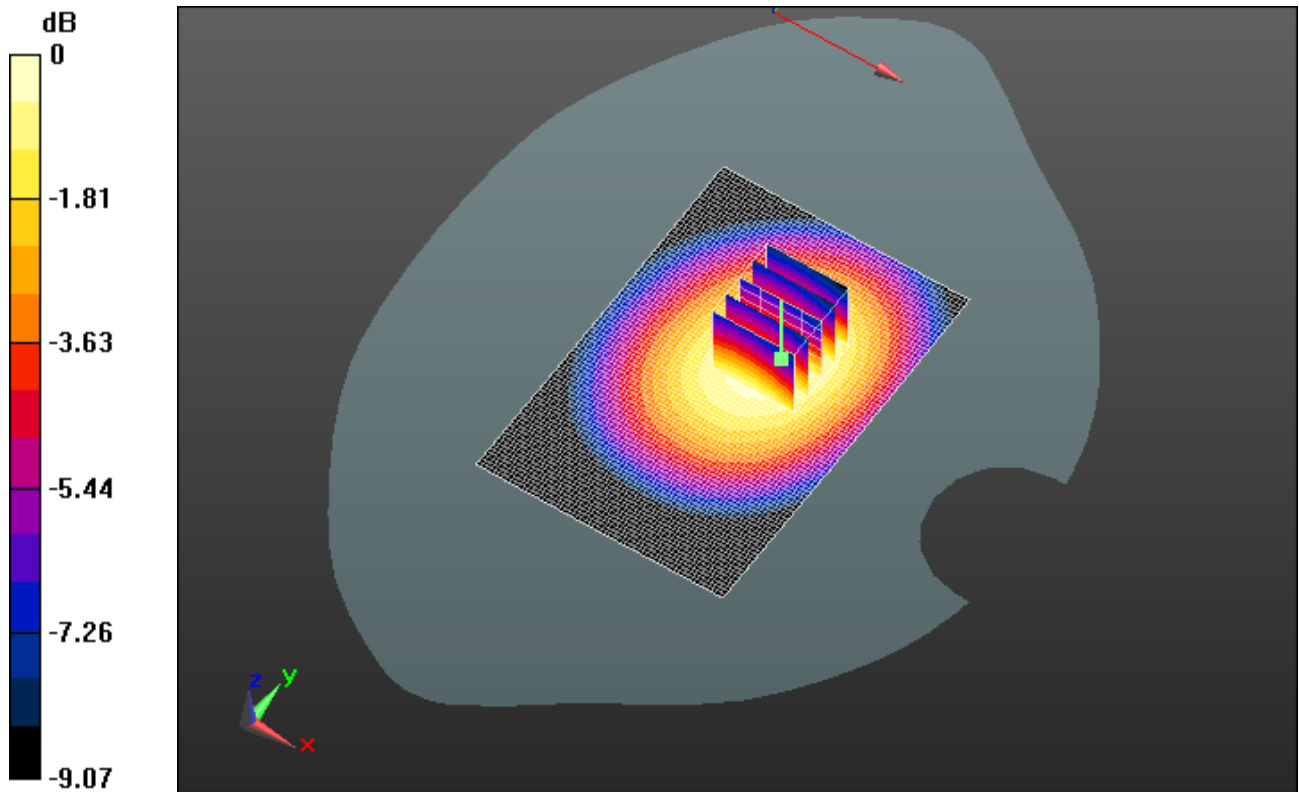
Author Data
Andrew Becker

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

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Date/Time: 1/20/2012 12:00:24 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_22.8_liq_temp_20.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 56.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.29, 6.29, 6.29); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.651 mW/g

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

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

Reference Value = 26.031 V/m; Power Drift = -0.0089 dB

Peak SAR (extrapolated) = 0.7430

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

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

Maximum value of SAR (measured) = 0.643 mW/g

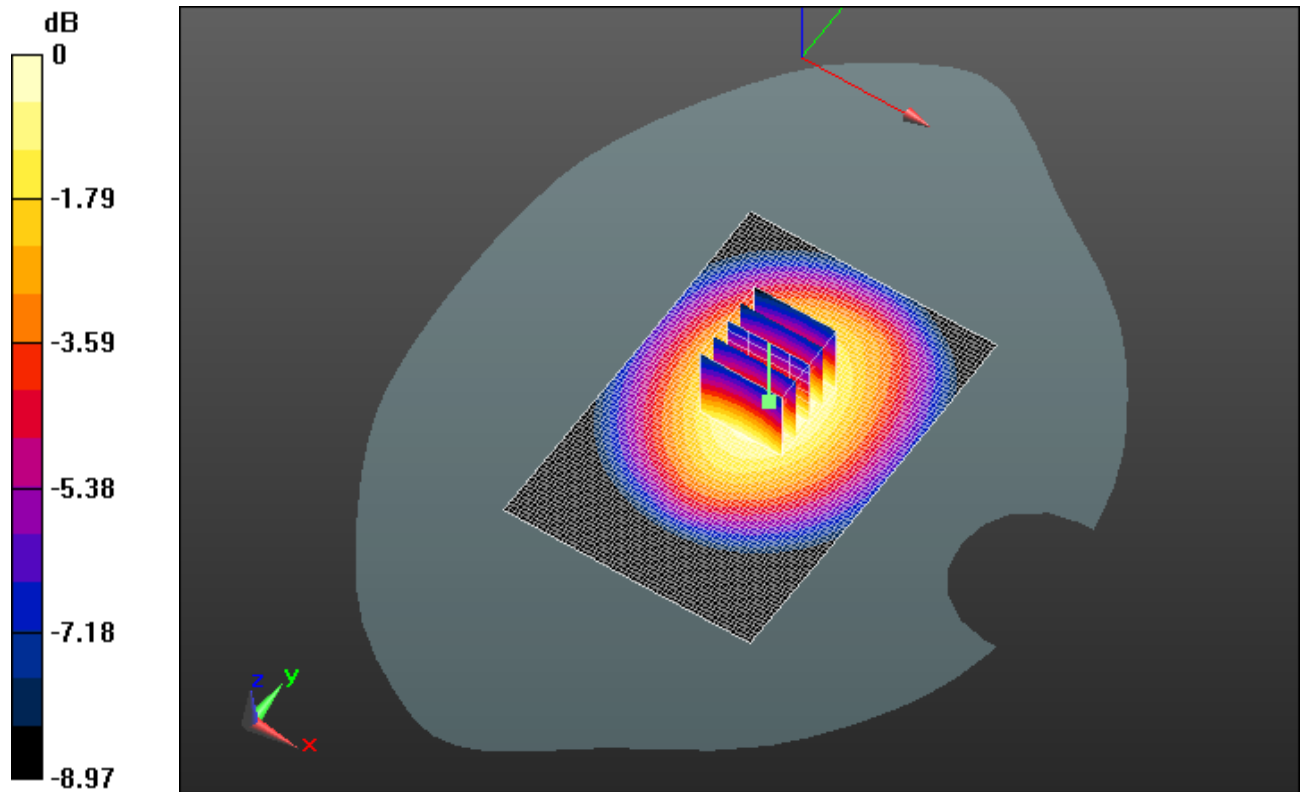
Author Data
Andrew Becker

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

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Date/Time: 1/20/2012 12:46:05 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_GPRS850_mid_chan_amb_temp_22.8_liq_temp_20.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 850; Frequency: 836.8 MHz

Medium parameters used (interpolated): $f = 836.8$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 56.116$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.29, 6.29, 6.29); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.436 mW/g

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

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

Reference Value = 21.540 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.5130

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.304 mW/g

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

Maximum value of SAR (measured) = 0.440 mW/g

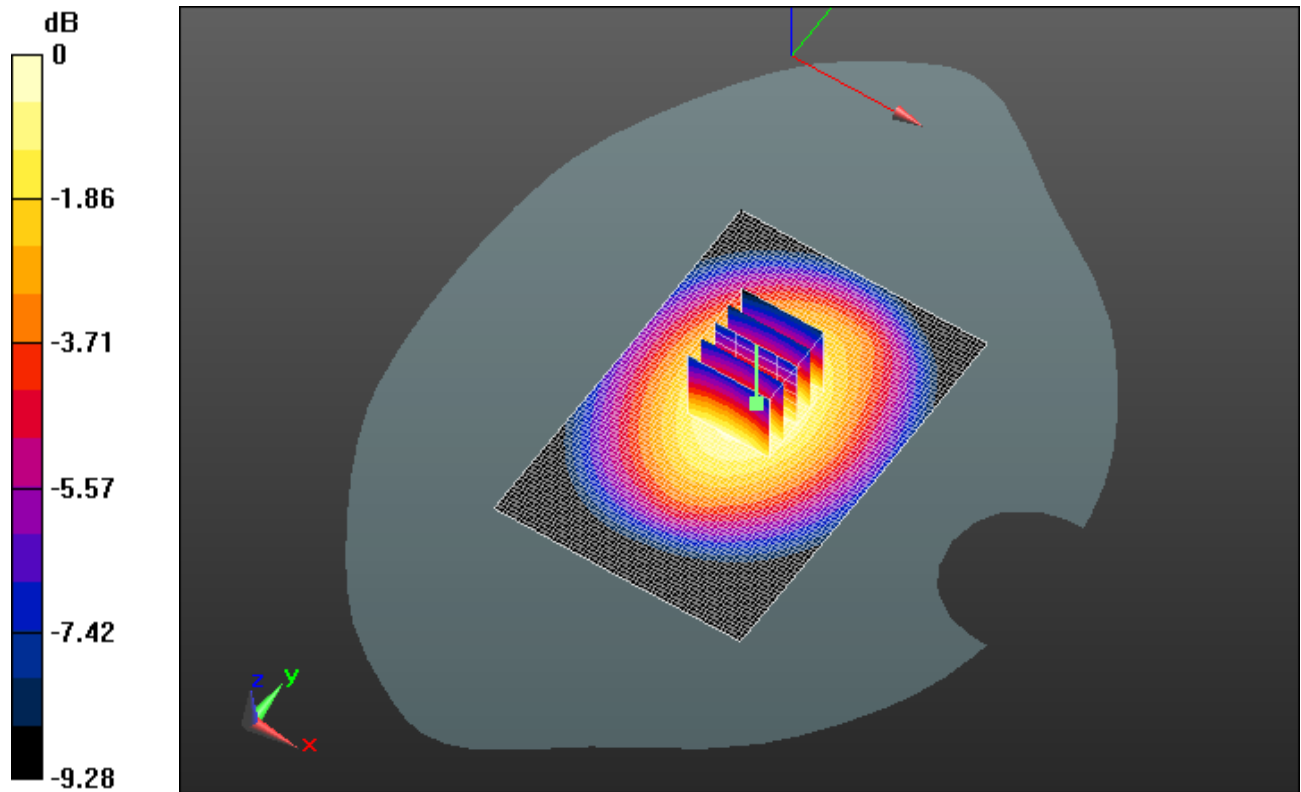
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0 dB = 0.440mW/g = -7.13 dB mW/g

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Date/Time: 1/24/2012 1:34:26 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_22.8_liq_temp_20.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 51.068$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.72, 4.72, 4.72); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.483 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 = 9.338 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.7560

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.247 mW/g

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

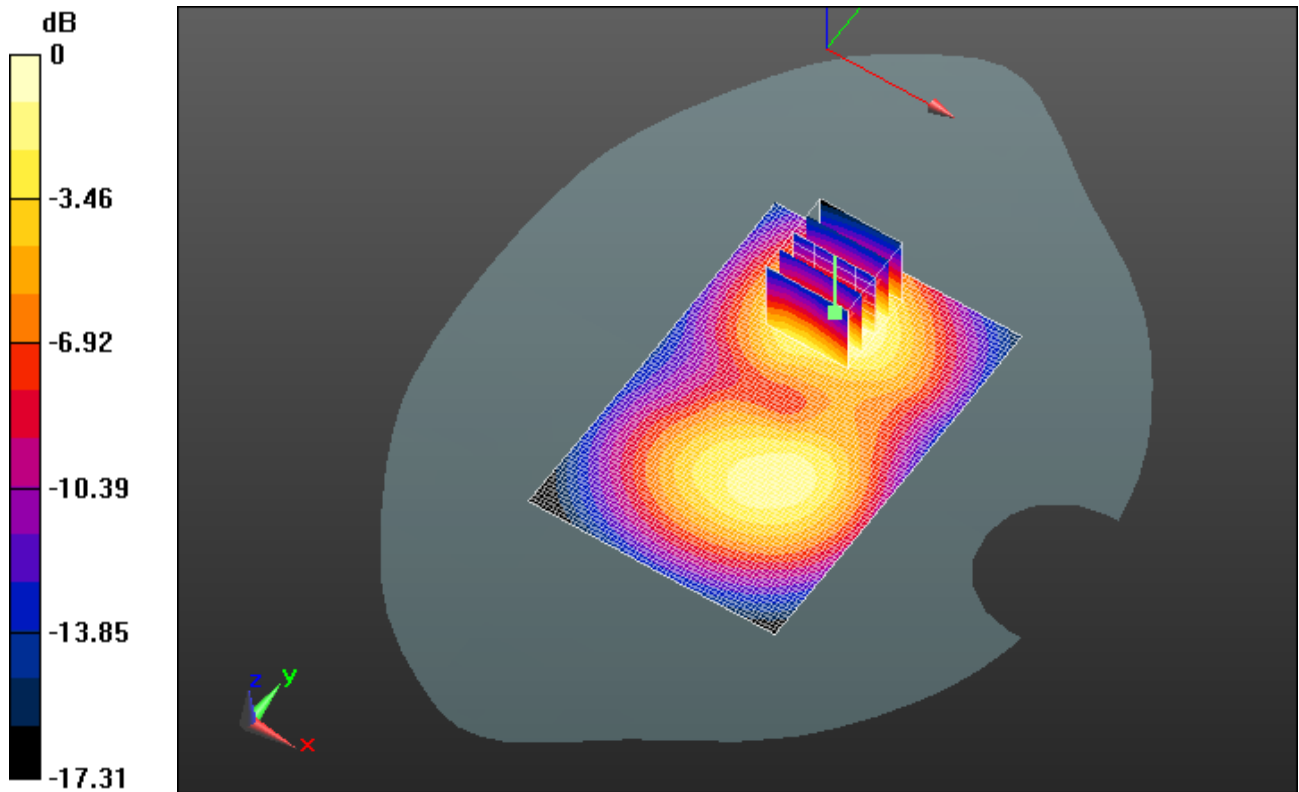
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Andrew Becker

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0 dB = 0.480mW/g = -6.38 dB mW/g

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Date/Time: 1/24/2012 11:19:07 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS1900_mid_chan_amb_temp_23.1_liq_temp_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 51.068$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.72, 4.72, 4.72); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:

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

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

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

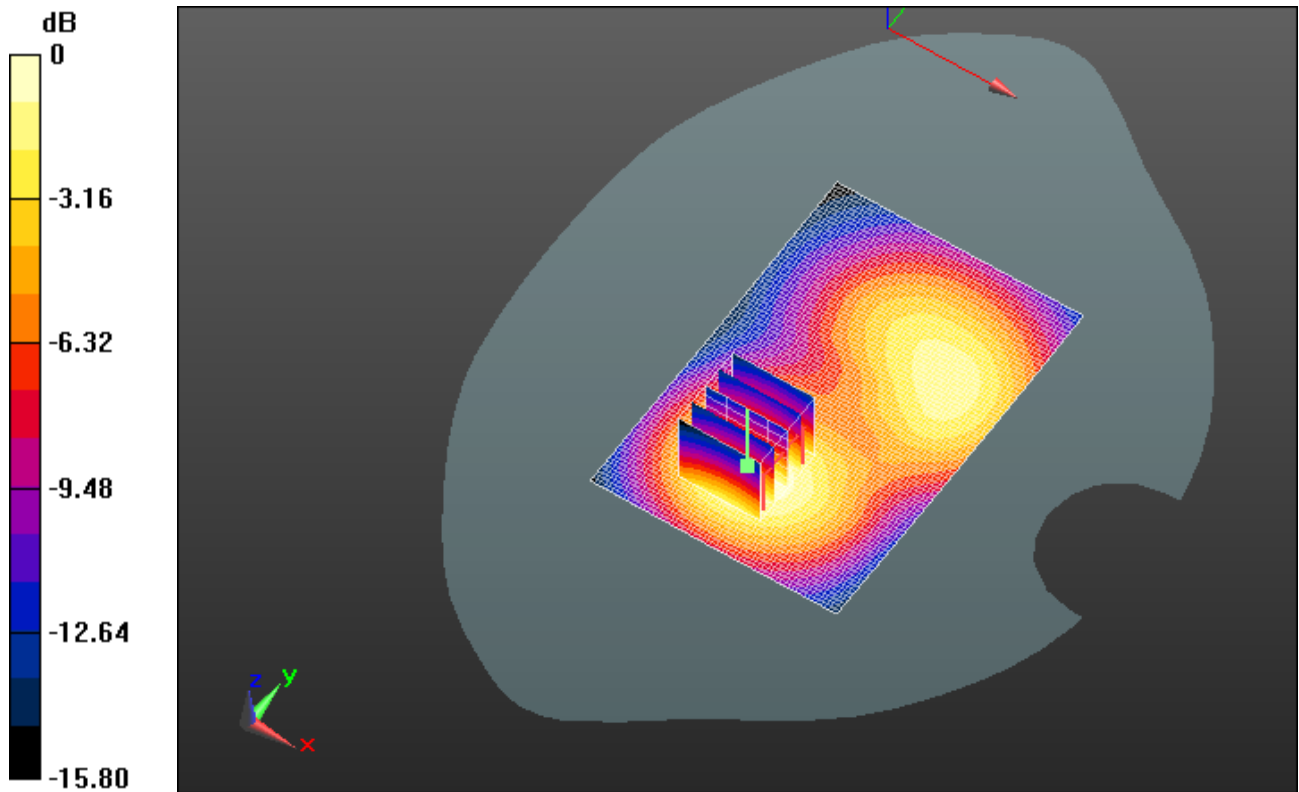
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.194 V/m; Power Drift = -0.03 dB


Peak SAR (extrapolated) = 0.6130

SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.226 mW/g

Maximum value of SAR (measured) = 0.404 mW/g



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

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Date/Time: 1/24/2012 12:33:28 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS1900_mid_chan_amb_temp_23.2_liq_temp _21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 51.068$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.72, 4.72, 4.72); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.211 mW/g

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

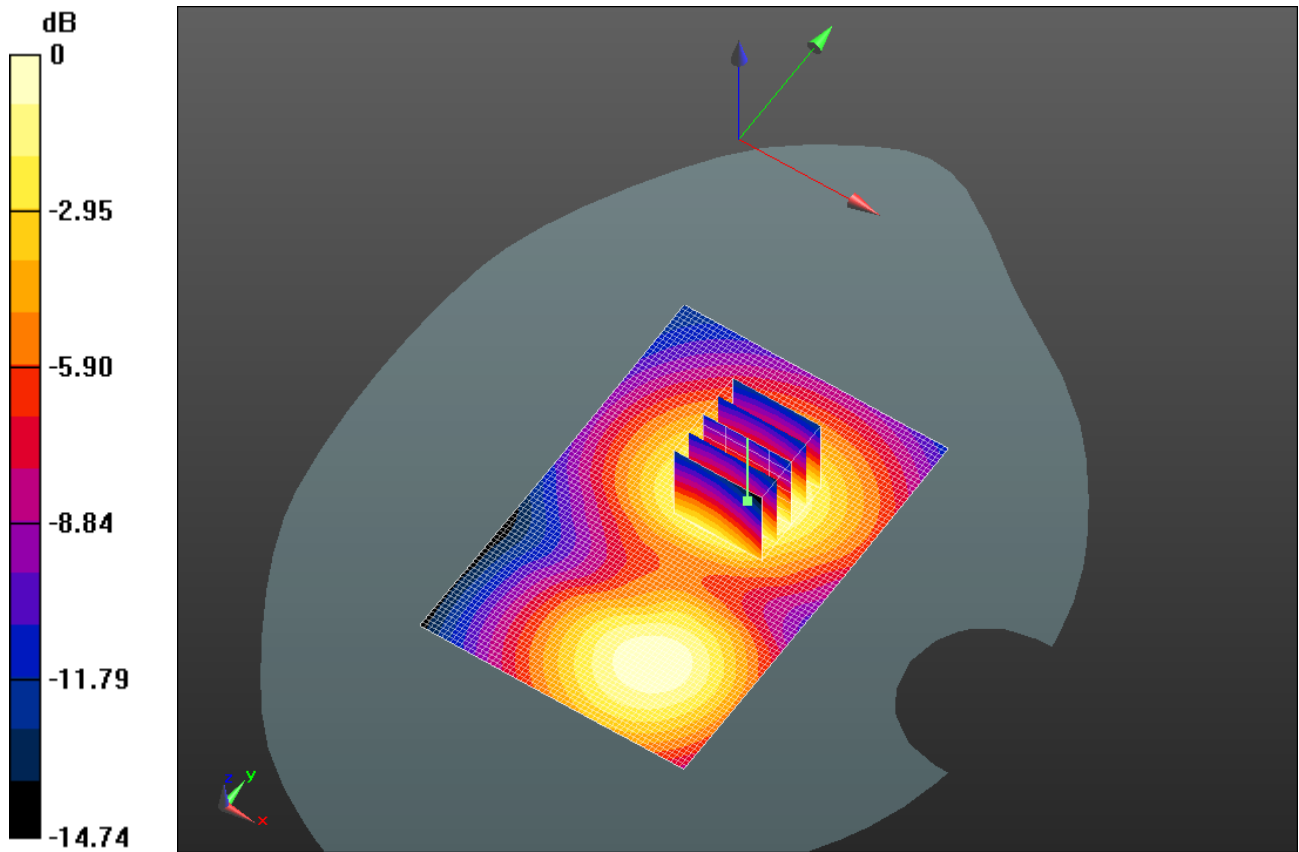
Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.292 V/m; Power Drift = -0.04 dB


Peak SAR (extrapolated) = 0.2970

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.121 mW/g

Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.210mW/g = -13.56 dB mW/g

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Date/Time: 1/24/2012 12:15:36 PM

Test Laboratory: RIM Testing Services

No_Holster_Back_Headset_GPRS1900_mid_chan_amb_temp_23.1_liq_temp_21.46C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: GPRS 1900; Frequency: 1880 MHz

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r = 51.068$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.72, 4.72, 4.72); Calibrated: 3/9/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:

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

Maximum value of SAR (interpolated) = 0.256 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 = 10.651 V/m; Power Drift = -0.0016 dB

Peak SAR (extrapolated) = 0.3810

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.137 mW/g

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

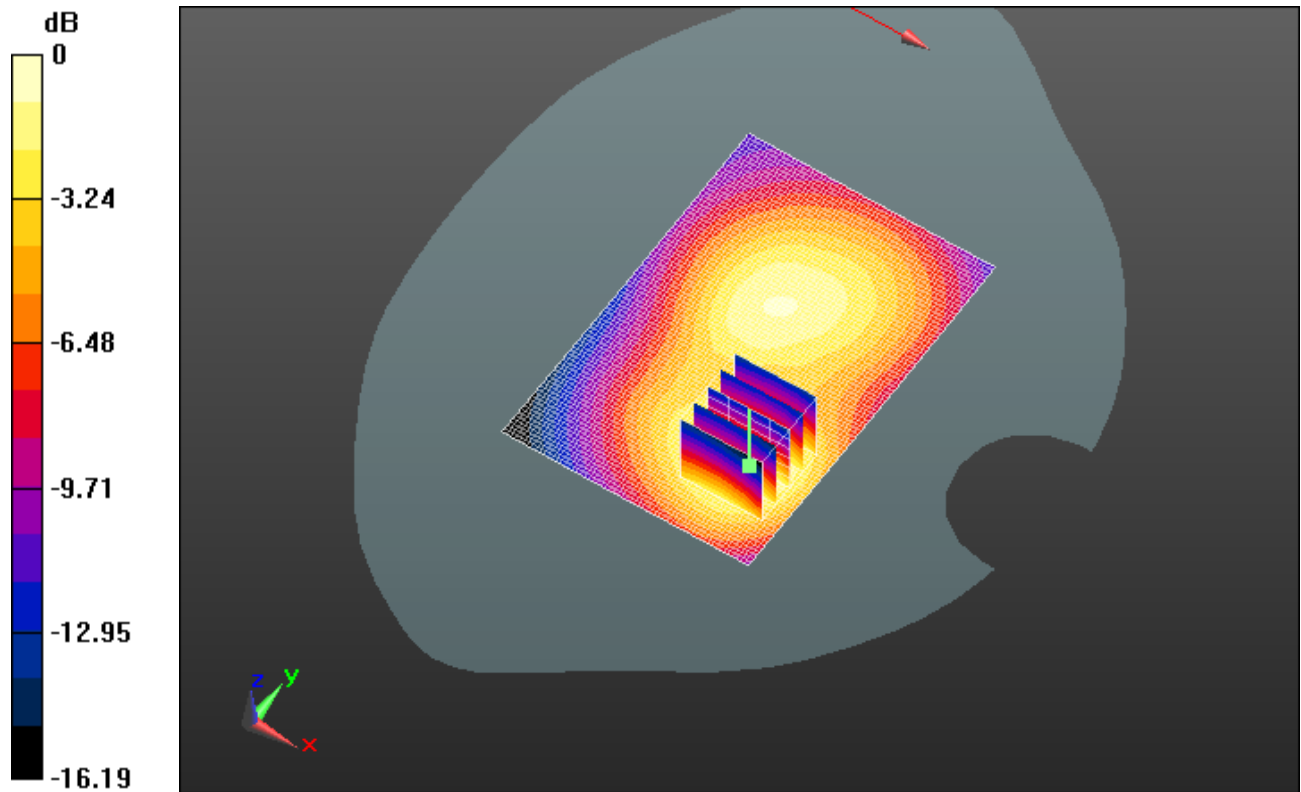
Author Data
Andrew Becker

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0 dB = 0.250mW/g = -12.04 dB mW/g

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Date/Time: 1/25/2012 4:53:21 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_802.11b_low_chan_amb_temp_22.7_liq_temp_21.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: 802.11 b (2450); Frequency: 2412 MHz
Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.924$ mho/m; $\epsilon_r = 50.6$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.118 mW/g

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

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.177 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.2260
SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.060 mW/g

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

Maximum value of SAR (measured) = 0.115 mW/g

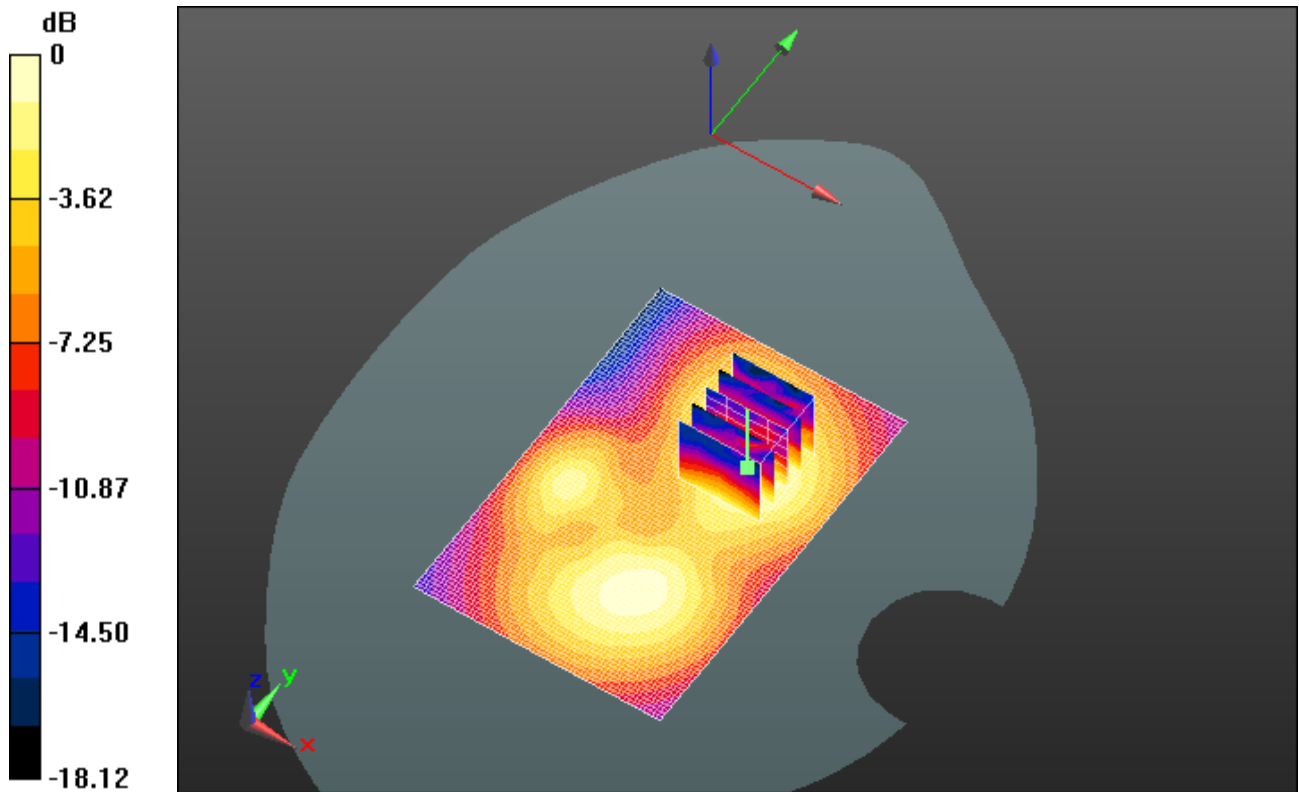
Author Data
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0 dB = 0.120mW/g = -18.42 dB mW/g

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Date/Time: 1/25/2012 4:31:18 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_802.11b_mid_chan_amb_temp_22.9_liq_temp_21.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: 802.11 b (2450); Frequency: 2437 MHz
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.959$ mho/m; $\epsilon_r = 50.529$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

Maximum value of SAR (interpolated) = 0.139 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 = 5.607 V/m; Power Drift = -0.0043 dB
Peak SAR (extrapolated) = 0.2820
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.069 mW/g

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

Maximum value of SAR (measured) = 0.133 mW/g

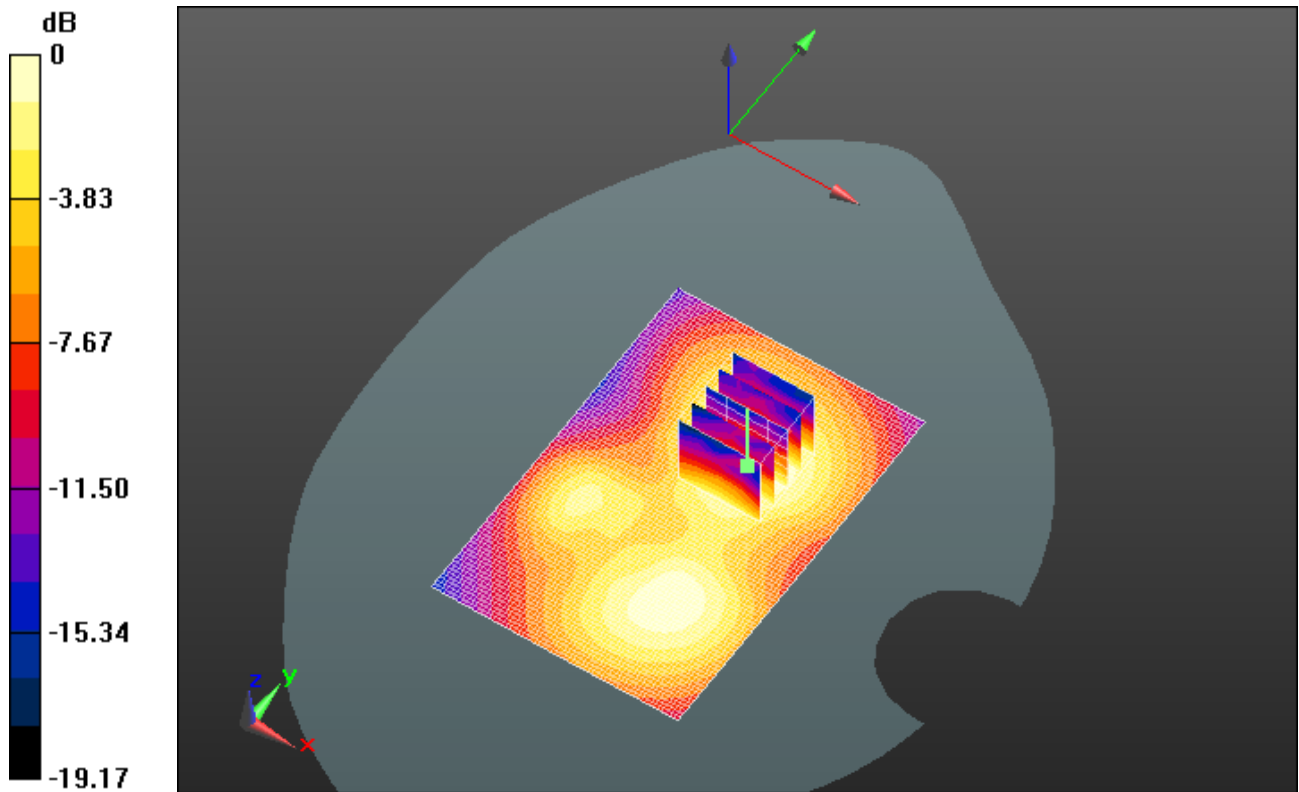
Author Data
Andrew Becker

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

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Date/Time: 1/25/2012 3:58:37 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_802.11b_high_chan_amb_temp_22.9_liq_temp_21
.3C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.995$ mho/m; $\epsilon_r = 50.466$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

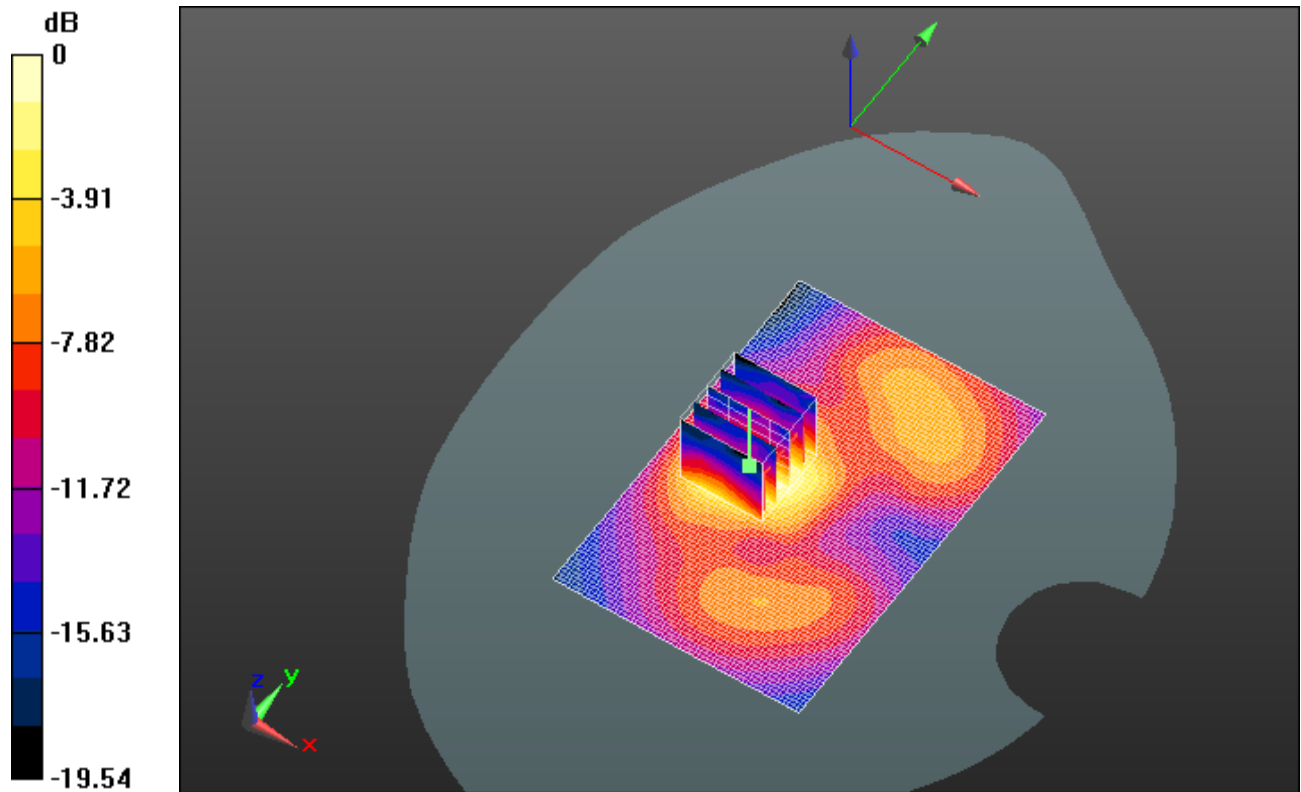
Maximum value of SAR (interpolated) = 0.250 mW/g

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


Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 8.144 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.5390
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.113 mW/g

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

Maximum value of SAR (measured) = 0.241 mW/g



0 dB = 0.240mW/g = -12.40 dB mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
Andrew Becker	January 18 – 25 , 2012	RTS-5993-1202-01	L6AREX40GW	2503A-REX40GW

Date/Time: 1/25/2012 5:54:28 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Front_802.11b_high_chan_amb_temp_22.9_liq_temp_20
.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

Communication System: 802.11 b (2450); Frequency: 2462 MHz
Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.995$ mho/m; $\epsilon_r = 50.466$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
 $dx=15$ mm, $dy=15$ mm

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

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

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

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm
Reference Value = 1.771 V/m; Power Drift = 0.47 dB
Peak SAR (extrapolated) = 0.0980
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.019 mW/g

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

Maximum value of SAR (measured) = 0.046 mW/g

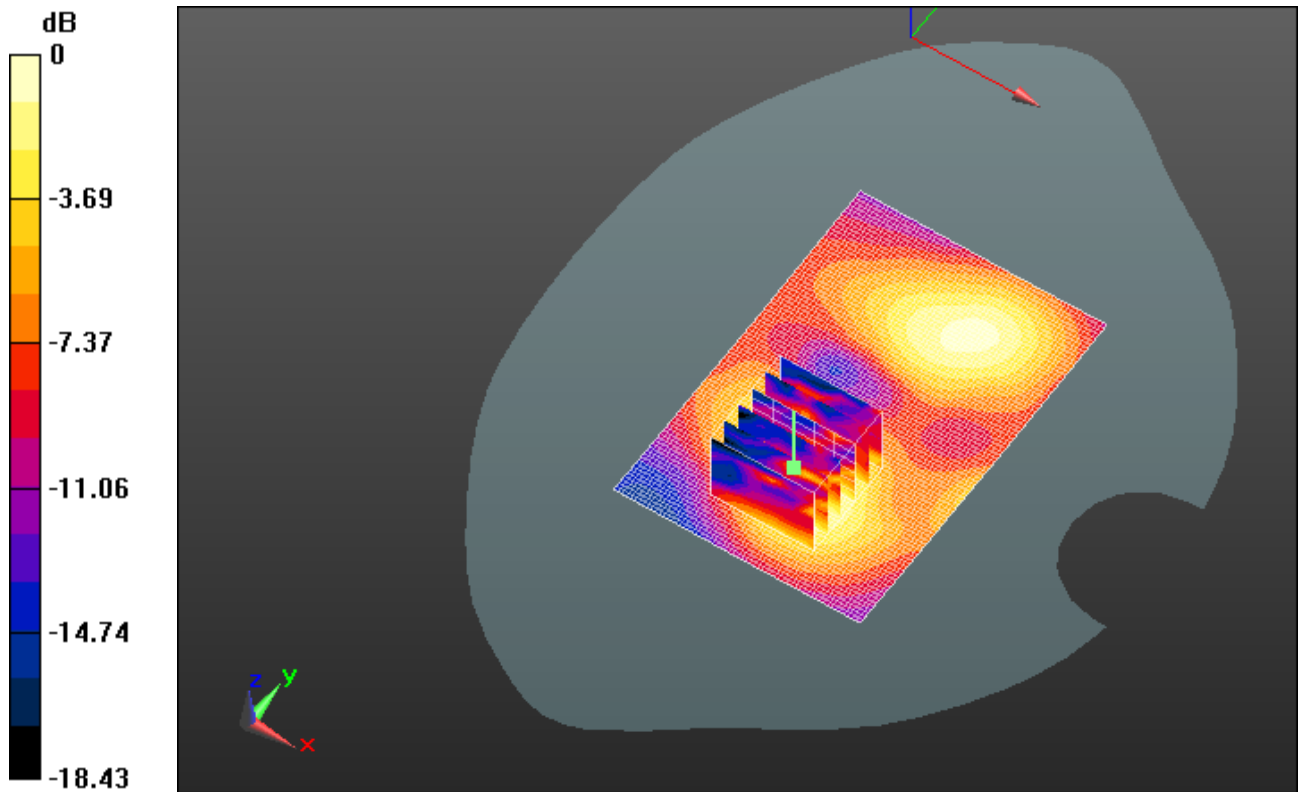
Author Data
Andrew Becker

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

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
Andrew Becker	January 18 – 25 , 2012	RTS-5993-1202-01	L6AREX40GW	2503A-REX40GW

Date/Time: 1/25/2012 6:50:56 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_high_chan_amb_temp_22.5_liq_temp_2 0.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.995$ mho/m; $\epsilon_r = 50.466$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

Maximum value of SAR (interpolated) = 0.172 mW/g

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

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

Reference Value = 6.677 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.3240

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.080 mW/g

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

Maximum value of SAR (measured) = 0.153 mW/g

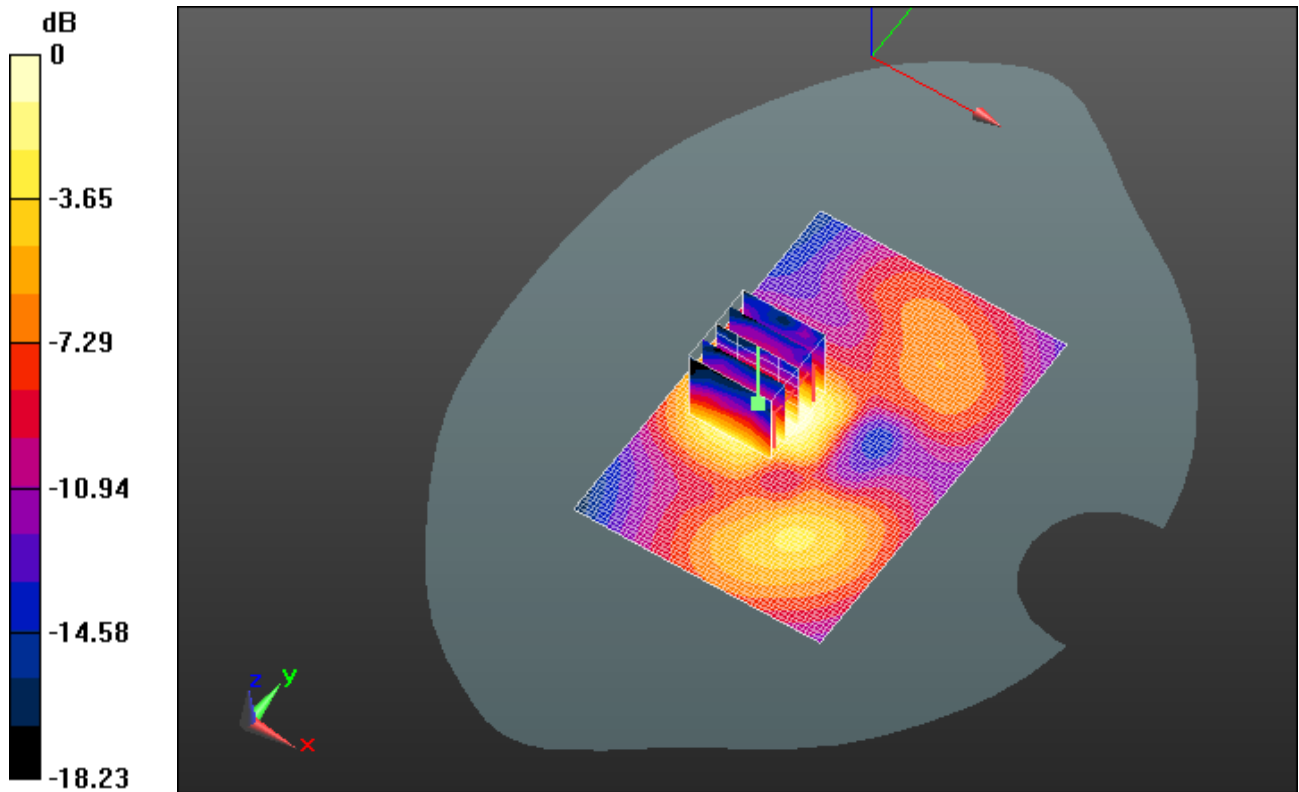
Author Data
Andrew Becker

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0 dB = 0.150mW/g = -16.48 dB mW/g

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Author Data	Dates of Test	Test Report No	FCC ID:	IC ID
Andrew Becker	January 18 – 25 , 2012	RTS-5993-1202-01	L6AREX40GW	2503A-REX40GW

Date/Time: 1/25/2012 7:11:29 PM

Test Laboratory: RIM Testing Services

**15mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_22.5_liq
_temp_20.2C**

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 293A70D3

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

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.995$ mho/m; $\epsilon_r = 50.466$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.14, 4.14, 4.14); Calibrated: 11/15/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x91x1): Measurement grid:
dx=15mm, dy=15mm

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

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

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

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

Reference Value = 8.654 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.3890

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.096 mW/g

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

Maximum value of SAR (measured) = 0.193 mW/g

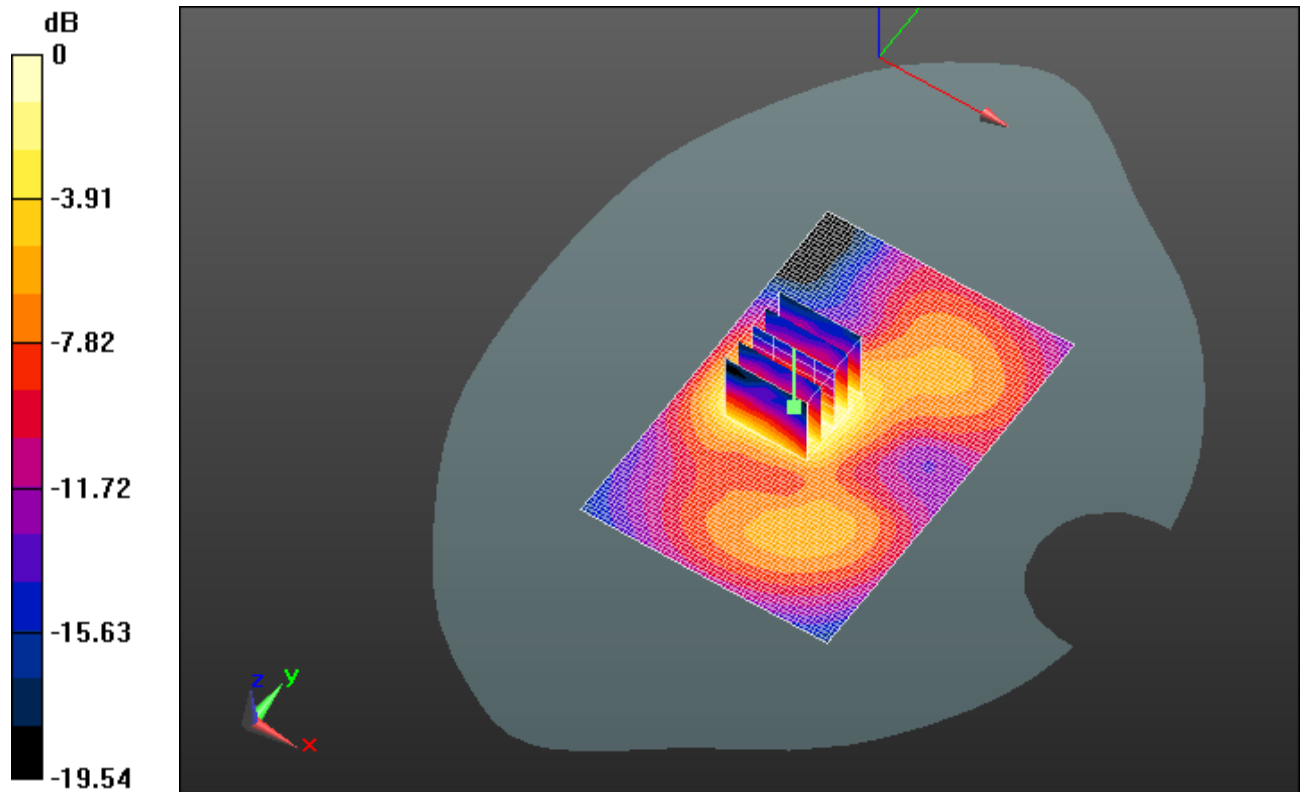
Author Data
Andrew Becker

Dates of Test
January 18 – 25 , 2012

Test Report No
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0 dB = 0.190mW/g = -14.42 dB mW/g

Z axis plot for the worst case body configuration

