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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>

**APPENDIX B: SAR DISTRIBUTION PLOTS FOR EACH CONFIGURATION PART 2 of 3  
(1800 – 1900 MHz)**

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

## LTE Band 4

Date: 7/28/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

### Configuration: Right-Hand-Side HSL - LTE band 4 - Slider Closed

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1745 MHz

Medium Parameters used:  $f=1745$  MHz;  $\sigma = 1.374$  S/m;  $\epsilon_r = 38.575$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

#### DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

#### Right-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band

**4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan**

**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.725 V/m; **Power Drift = -0.00972 dB**

**Fast SAR: SAR(1g) = 0.255 W/kg; SAR(10g) = 0.151 W/kg**

Maximum value of SAR (interpolated) = 0.280 W/kg

[10g avg. SAR maximum on border.](#)

#### Right-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band


**4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Zoom Scan**

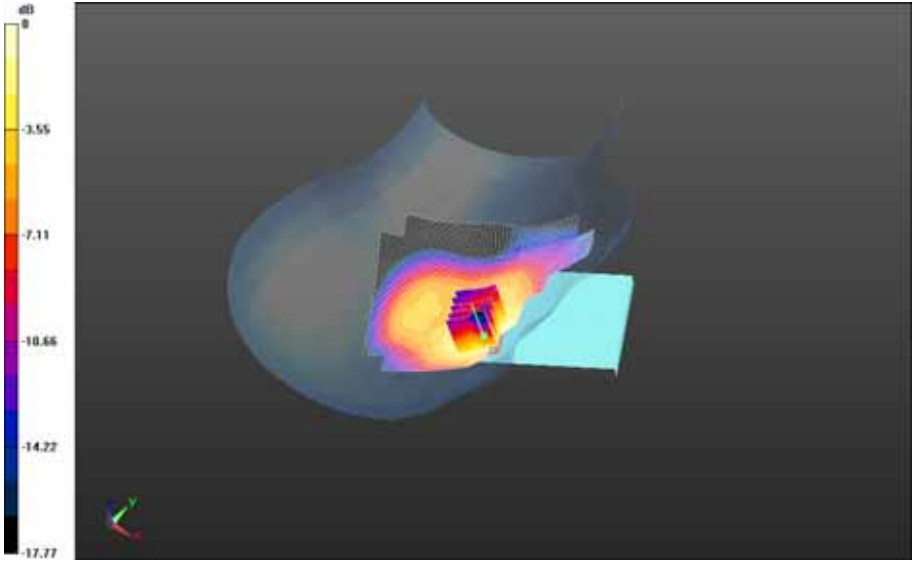
**(21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 7.725 V/m; **Power Drift = -0.00972 dB**


**Averaged SAR: SAR(1g) = 0.258 W/kg; SAR(10g) = 0.164 W/kg**

Maximum value of SAR (interpolated) = 0.363 W/kg

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0 dB = 0.276 W/kg = -5.59 dBW/kg

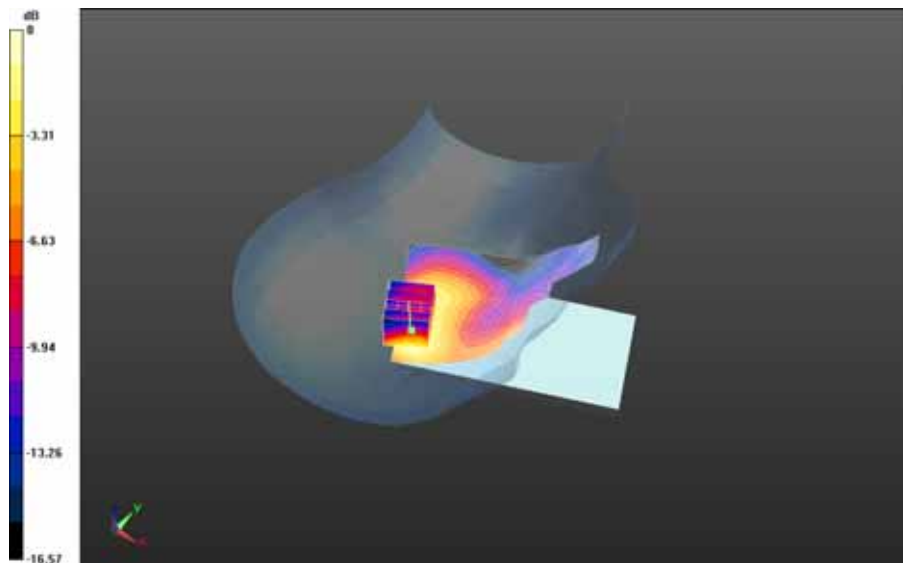
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**Right-Hand-Side HSL - LTE band 4 - Slider Closed/Tilt Position - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 12.513 V/m; **Power Drift = 0.054 dB**


**Fast SAR: SAR(1g) = 0.198 W/kg; SAR(10g) = 0.121 W/kg**  
 Maximum value of SAR (interpolated) = 0.213 W/kg  
 10g avg. SAR maximum on border.

**Right-Hand-Side HSL - LTE band 4 - Slider Closed/Tilt Position - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
 Reference Value = 12.513 V/m; **Power Drift = 0.054 dB**

**Averaged SAR: SAR(1g) = 0.217 W/kg; SAR(10g) = 0.132 W/kg**  
 Maximum value of SAR (interpolated) = 0.320 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg

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Date: 7/28/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Left-Hand-Side HSL - LTE band 4 - Slider Closed**

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz  
Medium Parameters used:  $f=1720$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 38.662$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
Phantom section: Left Section

**DASY Configuration:**


- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

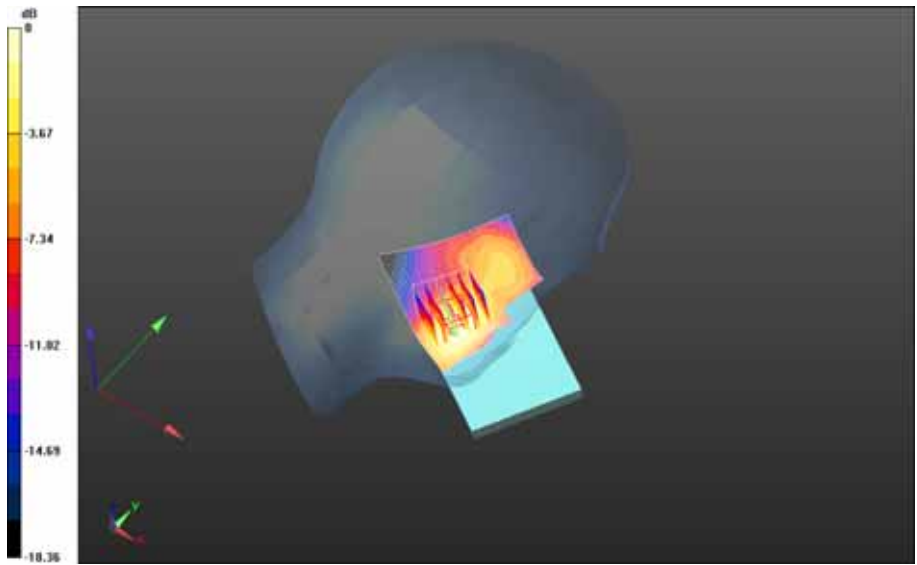
**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.109 V/m; **Power Drift = 0.250 dB**

**Fast SAR: SAR(1g) = 0.682 W/kg; SAR(10g) = 0.411 W/kg**  
Maximum value of SAR (interpolated) = 0.741 W/kg


**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 9.109 V/m; **Power Drift = 0.250 dB**

**Averaged SAR: SAR(1g) = 0.714 W/kg; SAR(10g) = 0.456 W/kg**  
Maximum value of SAR (interpolated) = 1.03 W/kg

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0 dB = 0.776 W/kg = -1.10 dBW/kg


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**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band  
 4\_chan20175\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan  
 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 7.910 V/m; Power Drift = -0.042 dB**

**Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.302 W/kg  
 Maximum value of SAR (interpolated) = 0.549 W/kg**



0 dB = 0.549 W/kg = -2.60 dBW/kg

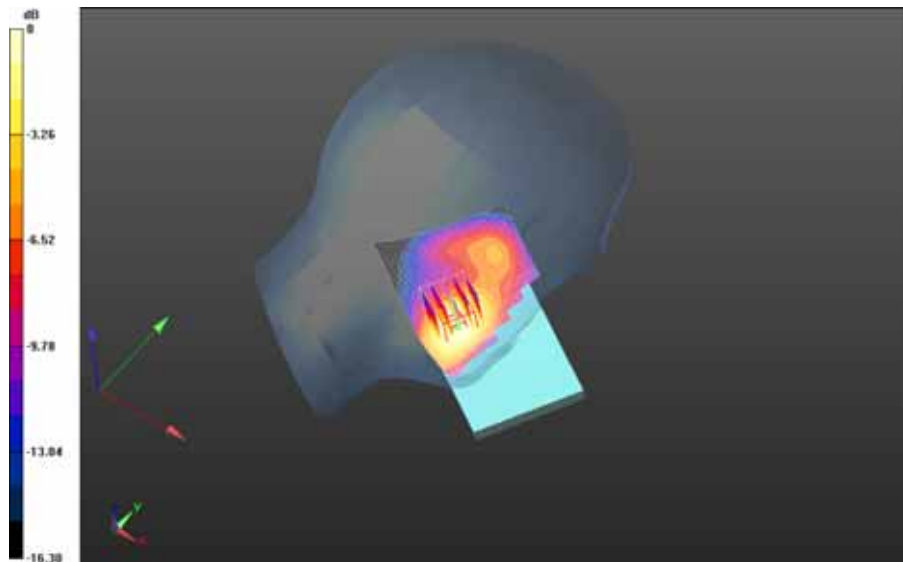
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan  
(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.361 V/m; **Power Drift = -0.148 dB**

**Fast SAR: SAR(1g) = 0.557 W/kg; SAR(10g) = 0.326 W/kg**  
Maximum value of SAR (interpolated) = 0.618 W/kg


**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Zoom Scan  
(21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 8.361 V/m; **Power Drift = -0.148 dB**

**Averaged SAR: SAR(1g) = 0.546 W/kg; SAR(10g) = 0.345 W/kg**  
Maximum value of SAR (interpolated) = 0.782 W/kg



0 dB = 0.602 W/kg = -2.20 dBW/kg




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**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan  
(61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.912 V/m; Power Drift = 0.043 dB**

**Fast SAR: SAR(1g) = 0.387 W/kg; SAR(10g) = 0.232 W/kg  
Maximum value of SAR (interpolated) = 0.422 W/kg**




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**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Touch Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB100\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan  
(61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 7.210 V/m; **Power Drift = -0.115 dB**

**Fast SAR: SAR(1g) = 0.398 W/kg; SAR(10g) = 0.238 W/kg**  
Maximum value of SAR (interpolated) = 0.434 W/kg

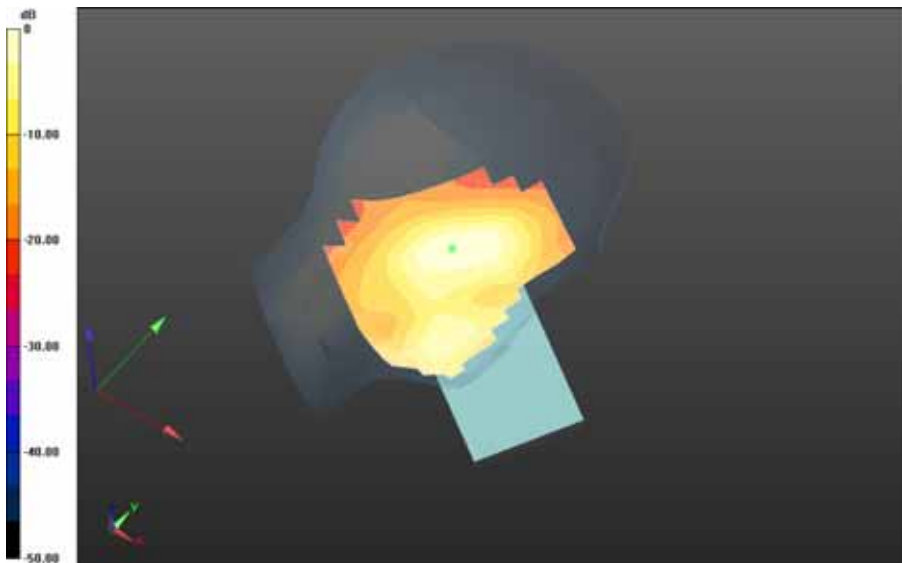


0 dB = 0.434 W/kg = -3.63 dBW/kg


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**Left-Hand-Side HSL - LTE band 4 - Slider Closed/Tilt Position - LTE band  
 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan 2  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 13.652 V/m; Power Drift = -0.072 dB**

**Fast SAR: SAR(1g) = 0.220 W/kg; SAR(10g) = 0.127 W/kg  
 Maximum value of SAR (interpolated) = 0.272 W/kg**



0 dB = 0.272 W/kg = -5.65 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/28/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Right-Hand-Side HSL - LTE band 4 - Slider Open**

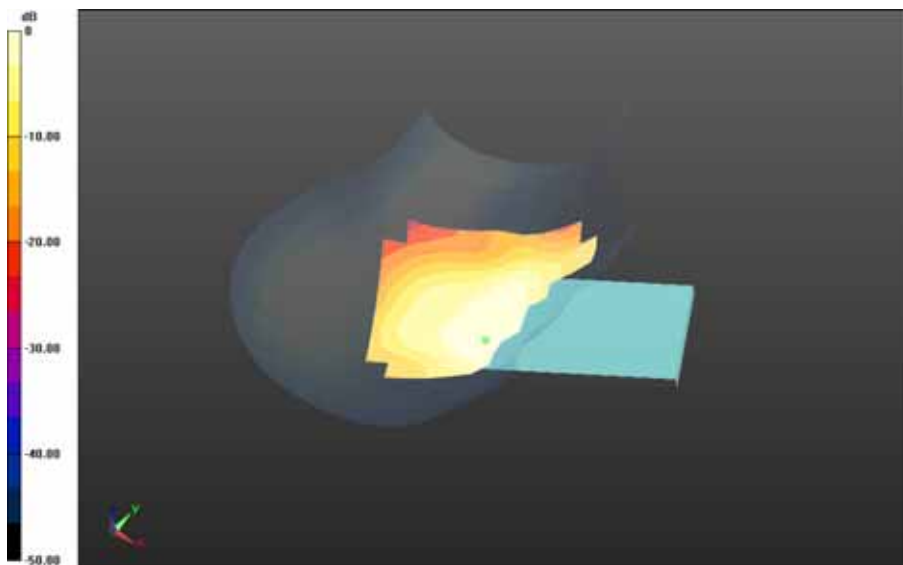
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1745 MHz  
Medium Parameters used:  $f=1745$  MHz;  $\sigma = 1.374$  S/m;  $\epsilon_r = 38.575$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
Phantom section: Right Section


**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)


**Right-Hand-Side HSL - LTE band 4 - Slider Open/Touch Position - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.7C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.635 V/m; **Power Drift = 0.203 dB**

**Fast SAR: SAR(1g) = 0.240 W/kg; SAR(10g) = 0.148 W/kg**  
Maximum value of SAR (interpolated) = 0.262 W/kg



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0 dB = 0.262 W/kg = -5.82 dBW/kg


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**Right-Hand-Side HSL - LTE band 4 - Slider Open/Tilt Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.7C\_liq\_temp\_22.2C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.624 V/m; Power Drift = 0.263 dB**

**Fast SAR: SAR(1g) = 0.267 W/kg; SAR(10g) = 0.164 W/kg  
Maximum value of SAR (interpolated) = 0.289 W/kg**



0 dB = 0.289 W/kg = -5.39 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/28/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - LTE band 4 - Slider Open**

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz  
Medium Parameters used:  $f=1720$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 38.662$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
Phantom section: Left Section

**DASY Configuration:**

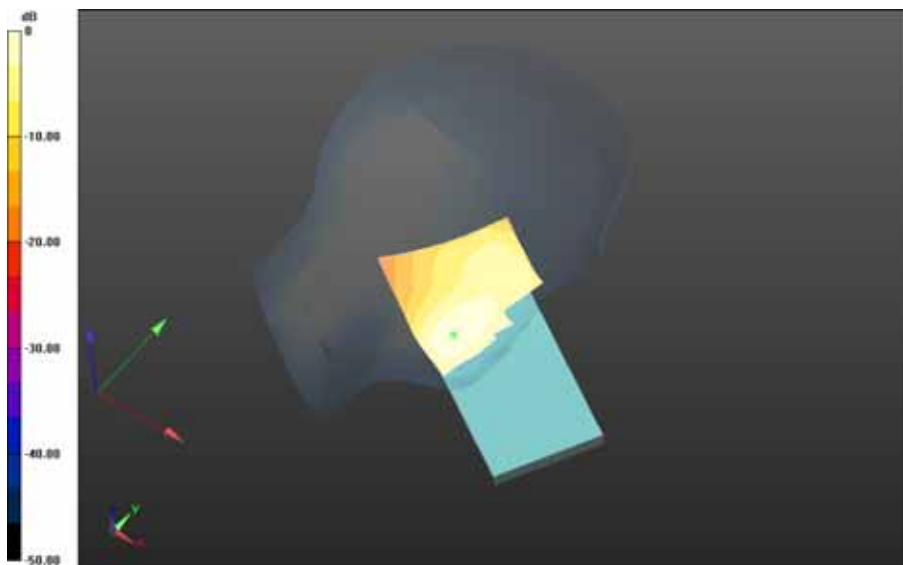
- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)


**Left-Hand-Side HSL - LTE band 4 - Slider Open/Touch Position - LTE band**

**4\_chan20050\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.035 V/m; **Power Drift = 0.00643 dB**

**Fast SAR: SAR(1g) = 0.487 W/kg; SAR(10g) = 0.294 W/kg**


Maximum value of SAR (interpolated) = 0.526 W/kg



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

0 dB = 0.526 W/kg = -2.79 dBW/kg




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**Left-Hand-Side HSL - LTE band 4 - Slider Open/Touch Position - LTE band  
4\_chan20175\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan  
(61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.008 V/m; Power Drift = 0.046 dB**

**Fast SAR: SAR(1g) = 0.493 W/kg; SAR(10g) = 0.297 W/kg  
Maximum value of SAR (interpolated) = 0.533 W/kg**



0 dB = 0.533 W/kg = -2.73 dBW/kg

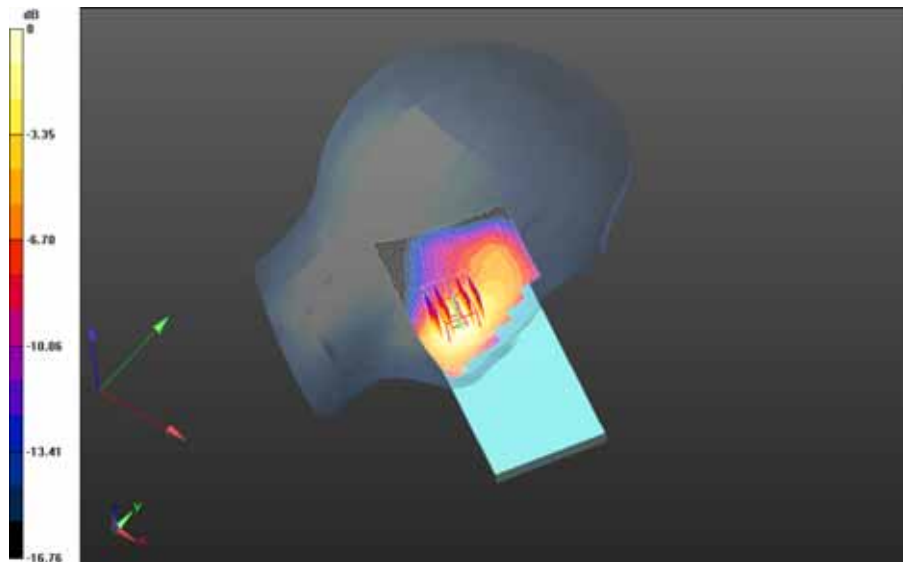
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**Left-Hand-Side HSL - LTE band 4 - Slider Open/Touch Position - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.232 V/m; **Power Drift = -0.084 dB**


**Fast SAR: SAR(1g) = 0.572 W/kg; SAR(10g) = 0.337 W/kg**  
Maximum value of SAR (interpolated) = 0.636 W/kg

**Left-Hand-Side HSL - LTE band 4 - Slider Open/Touch Position - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 6.232 V/m; **Power Drift = -0.084 dB**

**Averaged SAR: SAR(1g) = 0.567 W/kg; SAR(10g) = 0.358 W/kg**  
Maximum value of SAR (interpolated) = 0.811 W/kg



0 dB = 0.623 W/kg = -2.06 dBW/kg


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**Left-Hand-Side HSL - LTE band 4 - Slider Open/Tilt Position - LTE band  
4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan 2  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.817 V/m; Power Drift = 0.138 dB**

**Fast SAR: SAR(1g) = 0.352 W/kg; SAR(10g) = 0.210 W/kg  
Maximum value of SAR (interpolated) = 0.393 W/kg**



0 dB = 0.393 W/kg = -4.06 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 8/31/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - LTE band 4 - Slider Closed**

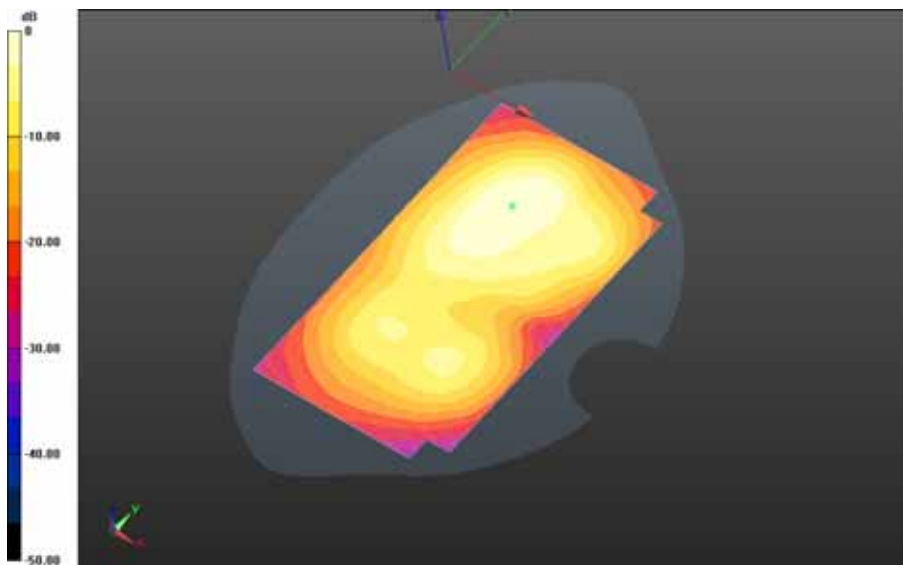
Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1745 MHz  
 Medium Parameters used:  $f=1745$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 51.189$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
 Phantom section: Flat Section


**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)


**Mobile Hot Spot MSL - LTE band 4 - Slider Closed/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_24.0C\_liq\_temp\_23.1C/Area Scan (81x141x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 7.831 V/m; **Power Drift = 0.028 dB**

**Fast SAR: SAR(1g) = 0.464 W/kg; SAR(10g) = 0.279 W/kg**  
 Maximum value of SAR (interpolated) = 0.510 W/kg



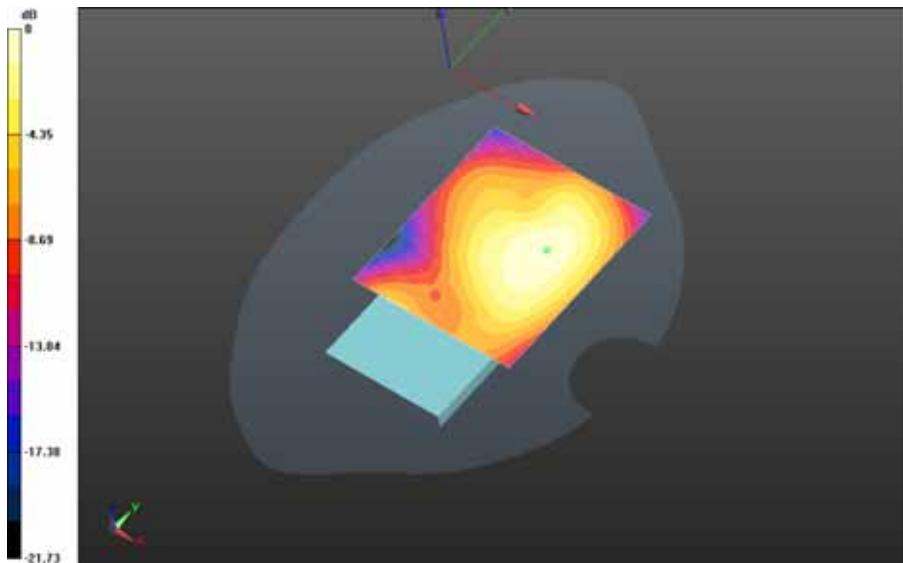
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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>21(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

0 dB = 0.510 W/kg = -2.92 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Closed/10mm Device Front - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.5C/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.429 V/m; **Power Drift = 0.063 dB**

**Fast SAR: SAR(1g) = 0.428 W/kg; SAR(10g) = 0.263 W/kg**  
Maximum value of SAR (interpolated) = 0.469 W/kg

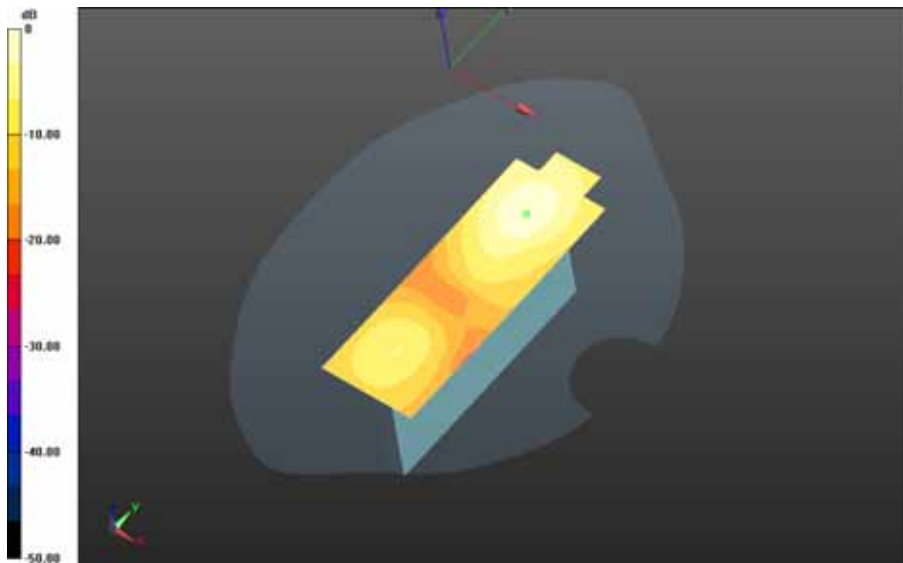


0 dB = 0.469 W/kg = -3.29 dBW/kg


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**Mobile Hot Spot MSL - LTE band 4 - Slider Closed/10mm Device Left - LTE band  
 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.5C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 1.998 V/m; Power Drift = -0.142 dB**

**Fast SAR: SAR(1g) = 0.0704 W/kg; SAR(10g) = 0.0402 W/kg  
 Maximum value of SAR (interpolated) = 0.0859 W/kg**

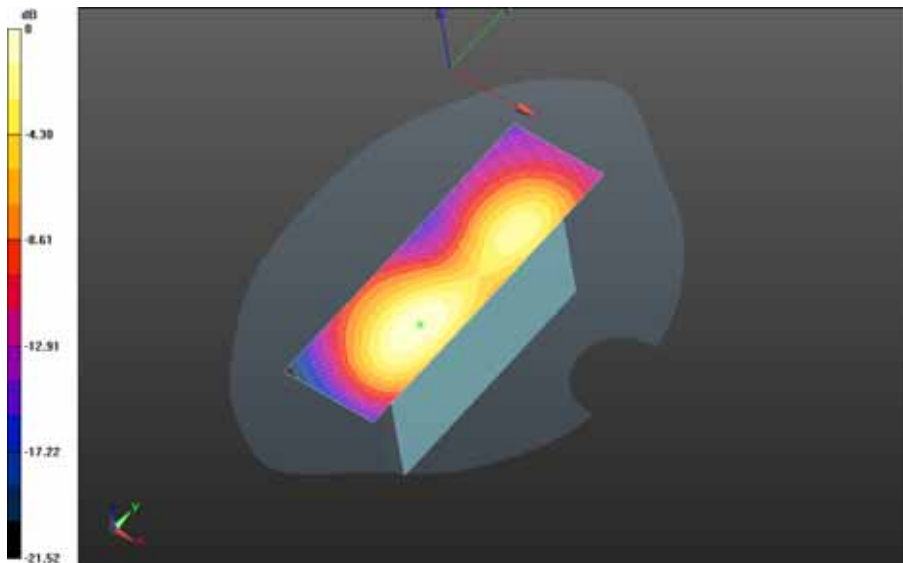


0 dB = 0.0859 W/kg = -10.66 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>


**Mobile Hot Spot MSL - LTE band 4 - Slider Closed/10mm Device Right - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.9C\_liq\_temp\_22.6C/Area Scan (41x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.908 V/m; **Power Drift = 0.072 dB**

**Fast SAR: SAR(1g) = 0.456 W/kg; SAR(10g) = 0.271 W/kg**  
Maximum value of SAR (interpolated) = 0.502 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Closed/10mm Device Bottom - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.8C\_liq\_temp\_22.6C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.025 V/m; **Power Drift = -0.00646 dB**

**Fast SAR: SAR(1g) = 0.105 W/kg; SAR(10g) = 0.0601 W/kg**  
Maximum value of SAR (interpolated) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dBW/kg

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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>

Date: 8/31/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - LTE band 4 - Slider Open**

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz  
Medium Parameters used:  $f=1720$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 51.268$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
Phantom section: Flat Section

**DASY Configuration:**


- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

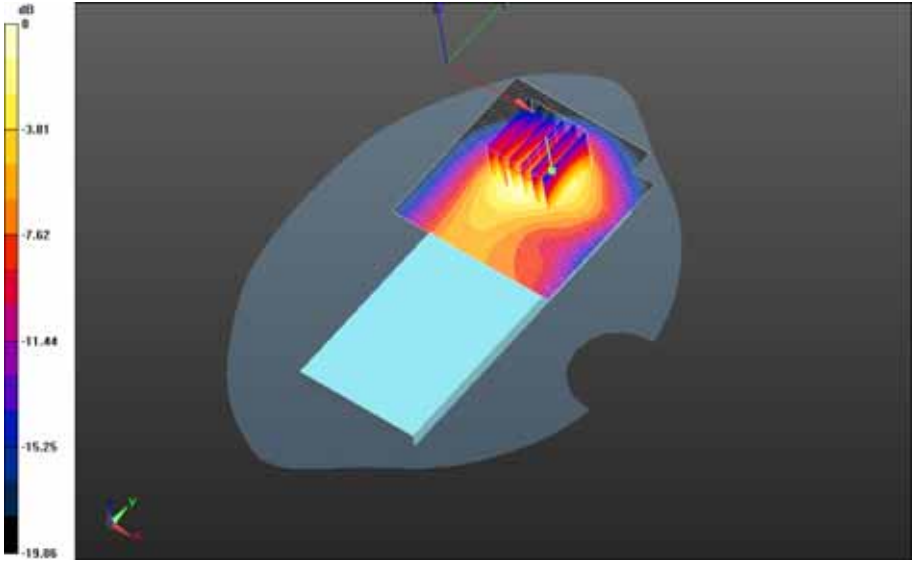
**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back -LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.7C/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.010 V/m; **Power Drift = -0.000236 dB**

**Fast SAR: SAR(1g) = 0.805 W/kg; SAR(10g) = 0.475 W/kg**  
Maximum value of SAR (interpolated) = 0.913 W/kg


**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back -LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.7C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.010 V/m; **Power Drift = -0.000236 dB**

**Averaged SAR: SAR(1g) = 0.758 W/kg; SAR(10g) = 0.472 W/kg**  
Maximum value of SAR (interpolated) = 1.18 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>



0 dB = 0.828 W/kg = -0.82 dBW/kg

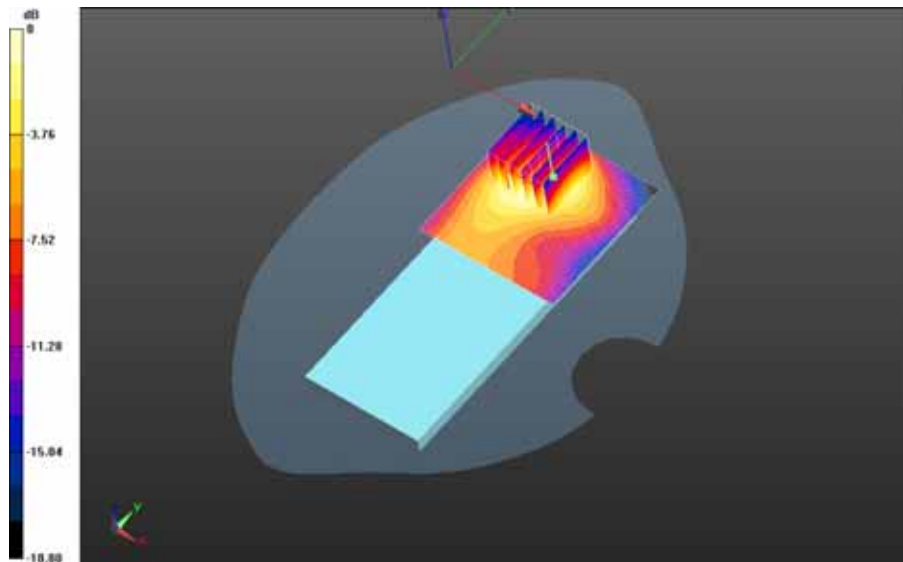
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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20175\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.8C/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.916 V/m; **Power Drift = -0.033 dB**


**Fast SAR: SAR(1g) = 0.804 W/kg; SAR(10g) = 0.473 W/kg**  
Maximum value of SAR (interpolated) = 0.902 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20175\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.8C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.916 V/m; **Power Drift = -0.033 dB**

**Averaged SAR: SAR(1g) = 0.748 W/kg; SAR(10g) = 0.460 W/kg**  
Maximum value of SAR (interpolated) = 1.16 W/kg



0 dB = 0.820 W/kg = -0.86 dBW/kg

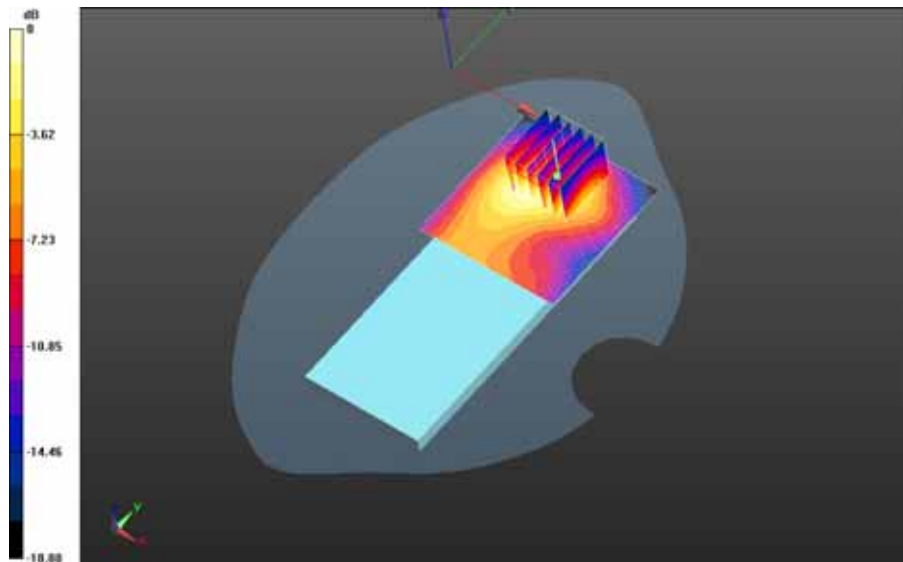
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.8C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.070 V/m; **Power Drift = 0.088 dB**


**Fast SAR: SAR(1g) = 0.806 W/kg; SAR(10g) = 0.473 W/kg**  
Maximum value of SAR (interpolated) = 0.916 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.8C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.070 V/m; **Power Drift = 0.088 dB**

**Averaged SAR: SAR(1g) = 0.746 W/kg; SAR(10g) = 0.457 W/kg**  
Maximum value of SAR (interpolated) = 1.17 W/kg



0 dB = 0.801 W/kg = -0.96 dBW/kg

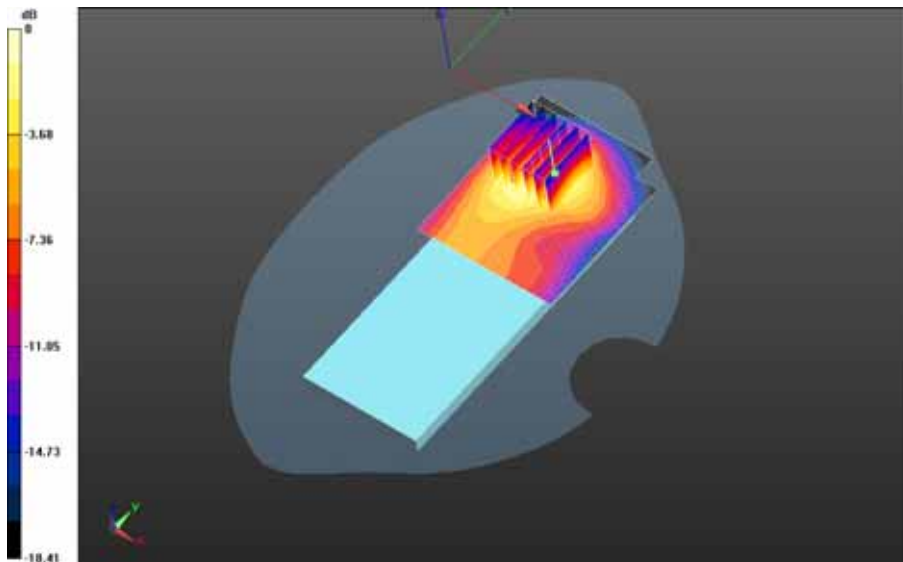
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back -LTE band 4\_chan20050\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_22.5C/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.078 V/m; **Power Drift = 0.012 dB**


**Fast SAR: SAR(1g) = 0.828 W/kg; SAR(10g) = 0.483 W/kg**  
Maximum value of SAR (interpolated) = 0.947 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back -LTE band 4\_chan20050\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_22.5C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.078 V/m; **Power Drift = 0.012 dB**

**Averaged SAR: SAR(1g) = 0.766 W/kg; SAR(10g) = 0.471 W/kg**  
Maximum value of SAR (interpolated) = 1.20 W/kg



0 dB = 0.845 W/kg = -0.73 dBW/kg

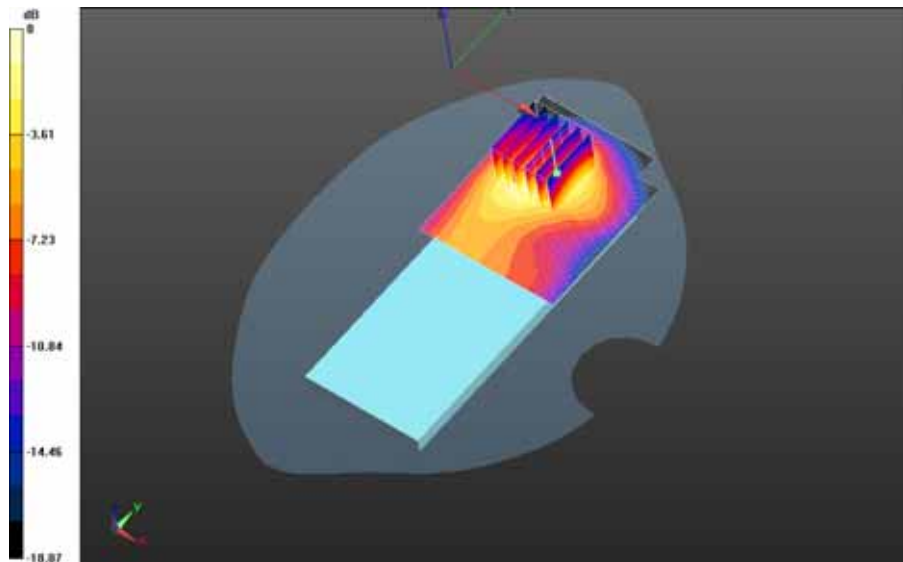
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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band  
4\_chan20175\_20MHz\_BW\_RB50\_Offset\_Low\_amb\_temp\_23.5C\_liq\_temp\_22.5C/Area Scan  
(61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.111 V/m; **Power Drift = -0.013 dB**


**Fast SAR: SAR(1g) = 0.813 W/kg; SAR(10g) = 0.473 W/kg**  
Maximum value of SAR (interpolated) = 0.935 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band  
4\_chan20175\_20MHz\_BW\_RB50\_Offset\_Low\_amb\_temp\_23.5C\_liq\_temp\_22.5C/Zoom Scan  
(26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.111 V/m; **Power Drift = -0.013 dB**

**Averaged SAR: SAR(1g) = 0.747 W/kg; SAR(10g) = 0.460 W/kg**  
Maximum value of SAR (interpolated) = 1.18 W/kg



0 dB = 0.822 W/kg = -0.85 dBW/kg

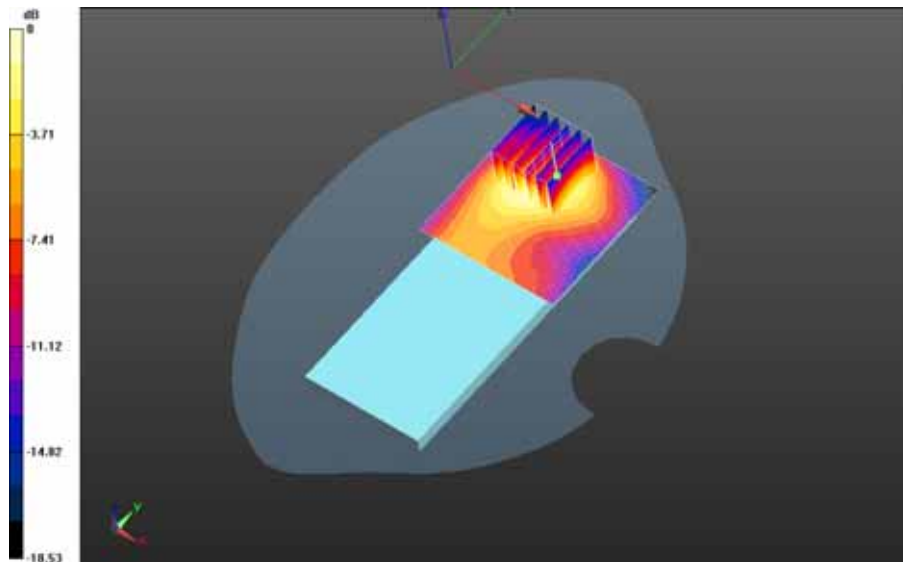
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_22.7C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.772 V/m; **Power Drift = -0.013 dB**

**Fast SAR: SAR(1g) = 0.746 W/kg; SAR(10g) = 0.437 W/kg**  
Maximum value of SAR (interpolated) = 0.847 W/kg


**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_22.7C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.772 V/m; **Power Drift = -0.013 dB**

**Averaged SAR: SAR(1g) = 0.697 W/kg; SAR(10g) = 0.425 W/kg**  
Maximum value of SAR (interpolated) = 1.11 W/kg



0 dB = 0.756 W/kg = -1.21 dBW/kg



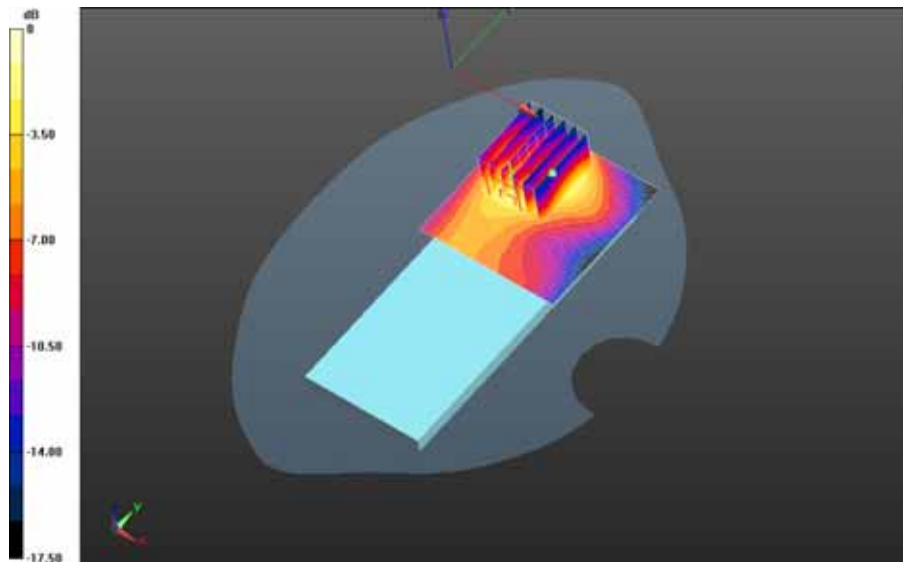
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB100\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.268 V/m; **Power Drift = 0.059 dB**


**Fast SAR: SAR(1g) = 0.739 W/kg; SAR(10g) = 0.434 W/kg**  
Maximum value of SAR (interpolated) = 0.823 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB100\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Zoom Scan (26x31x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.268 V/m; **Power Drift = 0.059 dB**

**Averaged SAR: SAR(1g) = 0.730 W/kg; SAR(10g) = 0.464 W/kg**  
Maximum value of SAR (interpolated) = 1.07 W/kg

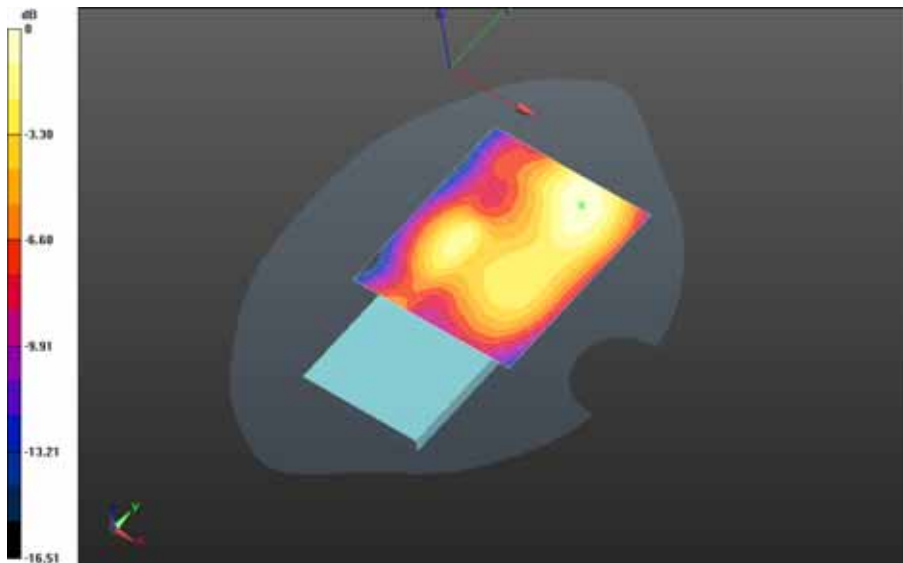


0 dB = 0.822 W/kg = -0.85 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Front - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.7C\_liq\_temp\_22.7C/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.690 V/m; **Power Drift = 0.019 dB**

**Fast SAR: SAR(1g) = 0.423 W/kg; SAR(10g) = 0.256 W/kg**  
Maximum value of SAR (interpolated) = 0.460 W/kg

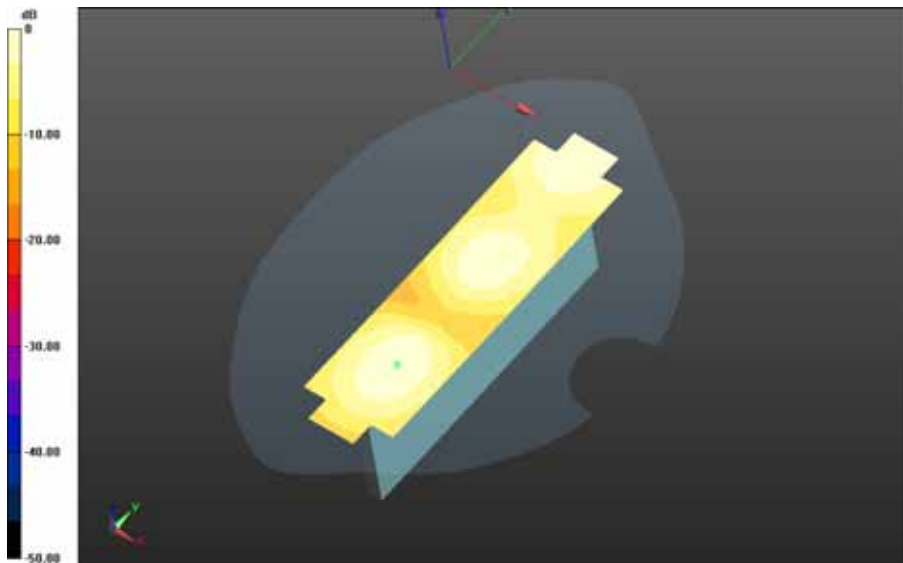


0 dB = 0.460 W/kg = -3.37 dBW/kg


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**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Left - LTE band  
 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.7C\_liq\_temp\_22.6C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 4.726 V/m; Power Drift = 0.083 dB**

**Fast SAR: SAR(1g) = 0.0533 W/kg; SAR(10g) = 0.0310 W/kg  
 Maximum value of SAR (interpolated) = 0.0585 W/kg**

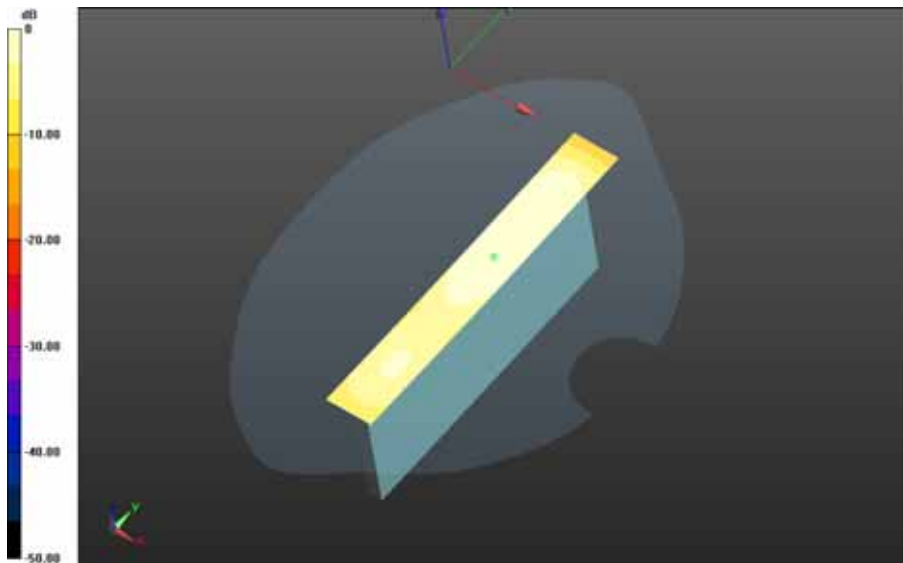


0 dB = 0.0585 W/kg = -12.33 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Right - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.5C\_liq\_temp\_22.7C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 13.688 V/m; **Power Drift = -0.045 dB**

**Fast SAR: SAR(1g) = 0.286 W/kg; SAR(10g) = 0.172 W/kg**  
Maximum value of SAR (interpolated) = 0.312 W/kg



0 dB = 0.312 W/kg = -5.06 dBW/kg


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**Mobile Hot Spot MSL - LTE band 4 - Slider Open/10mm Device Bottom - LTE band  
 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_22.7C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 12.128 V/m; Power Drift = -0.067 dB**

**Fast SAR: SAR(1g) = 0.173 W/kg; SAR(10g) = 0.103 W/kg  
 Maximum value of SAR (interpolated) = 0.189 W/kg**



0 dB = 0.189 W/kg = -7.24 dBW/kg

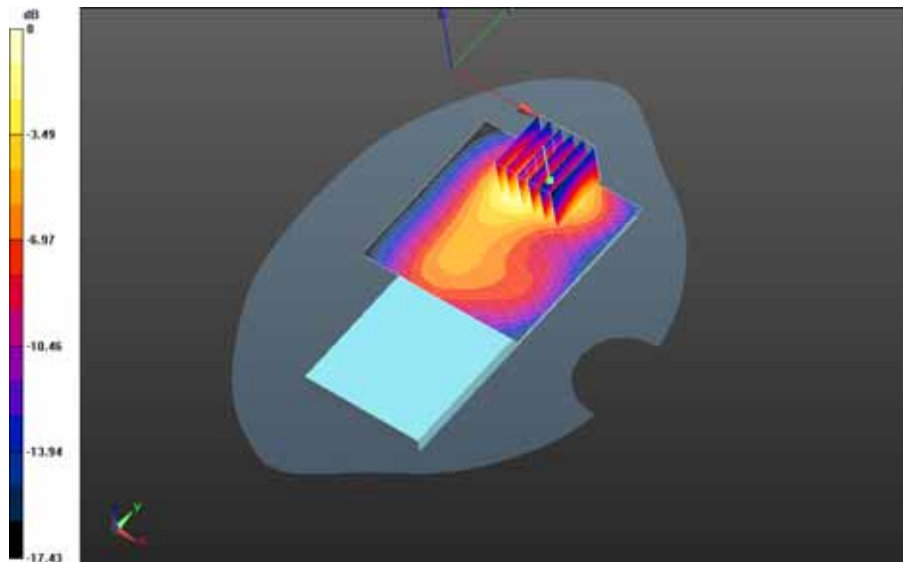
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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>38(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/2nd Scan\_10mm Device Back - LTE band 4\_chan20050\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.5C/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.755 V/m; **Power Drift = 0.051 dB**


**Fast SAR: SAR(1g) = 0.777 W/kg; SAR(10g) = 0.458 W/kg**  
Maximum value of SAR (interpolated) = 0.861 W/kg

**Mobile Hot Spot MSL - LTE band 4 - Slider Open/2nd Scan\_10mm Device Back - LTE band 4\_chan20050\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.5C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.755 V/m; **Power Drift = 0.051 dB**

**Averaged SAR: SAR(1g) = 0.747 W/kg; SAR(10g) = 0.461 W/kg**  
Maximum value of SAR (interpolated) = 1.16 W/kg



0 dB = 0.814 W/kg = -0.89 dBW/kg

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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>

Date: 7/28/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Body Worn MSL - LTE band 4 - Slider Closed**

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz  
Medium Parameters used:  $f=1720$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 51.574$ ;  $\rho = 1.000$  g/cm<sup>3</sup>  
Phantom section: Flat Section

**DASY Configuration:**


- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

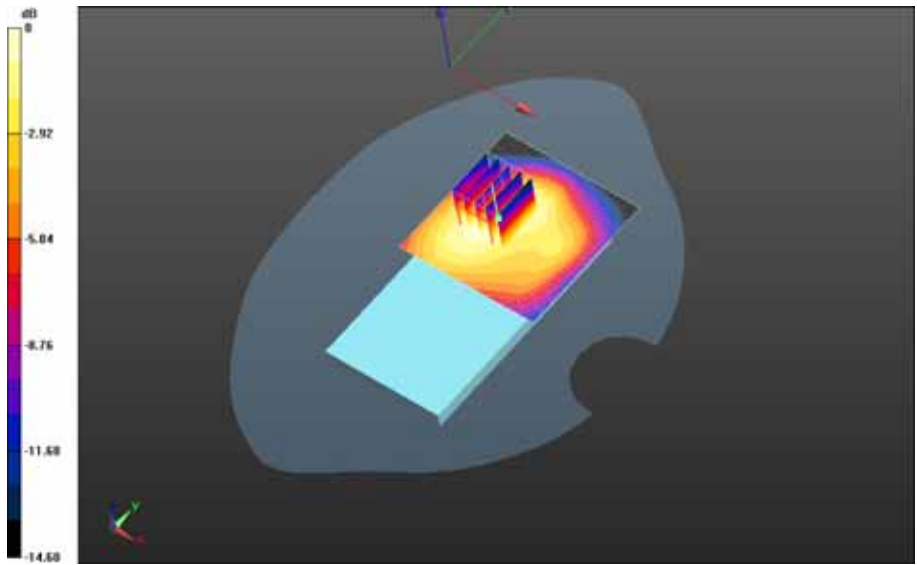
**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Back - LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.223 V/m; **Power Drift = 0.038 dB**

**Fast SAR: SAR(1g) = 0.592 W/kg; SAR(10g) = 0.357 W/kg**  
Maximum value of SAR (interpolated) = 0.652 W/kg

**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Back - LTE band 4\_chan20050\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.223 V/m; **Power Drift = 0.038 dB**


**Averaged SAR: SAR(1g) = 0.595 W/kg; SAR(10g) = 0.387 W/kg**  
Maximum value of SAR (interpolated) = 0.760 W/kg

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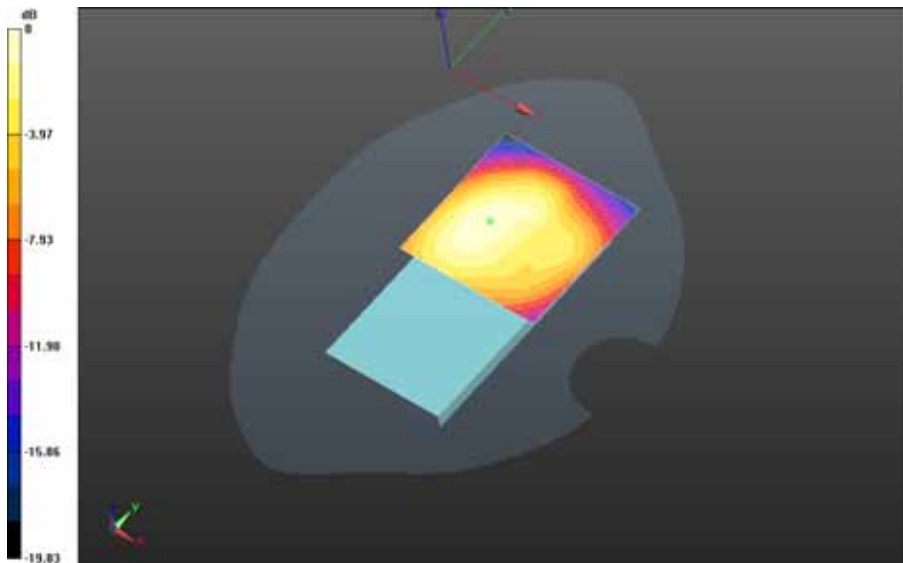
0 dB = 0.641 W/kg = -1.93 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Back - LTE band  
4\_chan20175\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan  
(61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.358 V/m; **Power Drift = -0.011 dB**

**Fast SAR: SAR(1g) = 0.481 W/kg; SAR(10g) = 0.294 W/kg**  
Maximum value of SAR (interpolated) = 0.527 W/kg

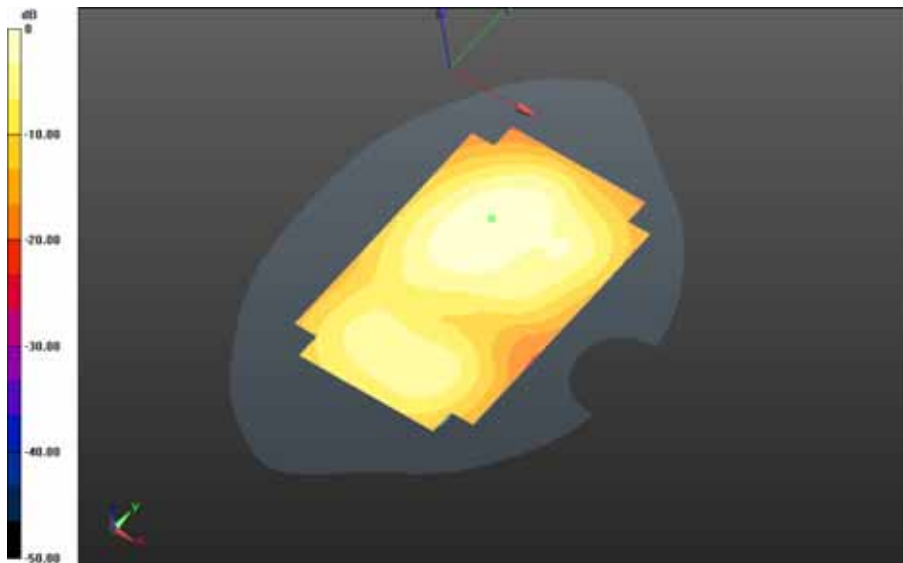


0 dB = 0.527 W/kg = -2.78 dBW/kg


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	Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>

**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.306 V/m; **Power Drift = -0.042 dB**

**Fast SAR: SAR(1g) = 0.479 W/kg; SAR(10g) = 0.296 W/kg**  
Maximum value of SAR (interpolated) = 0.520 W/kg

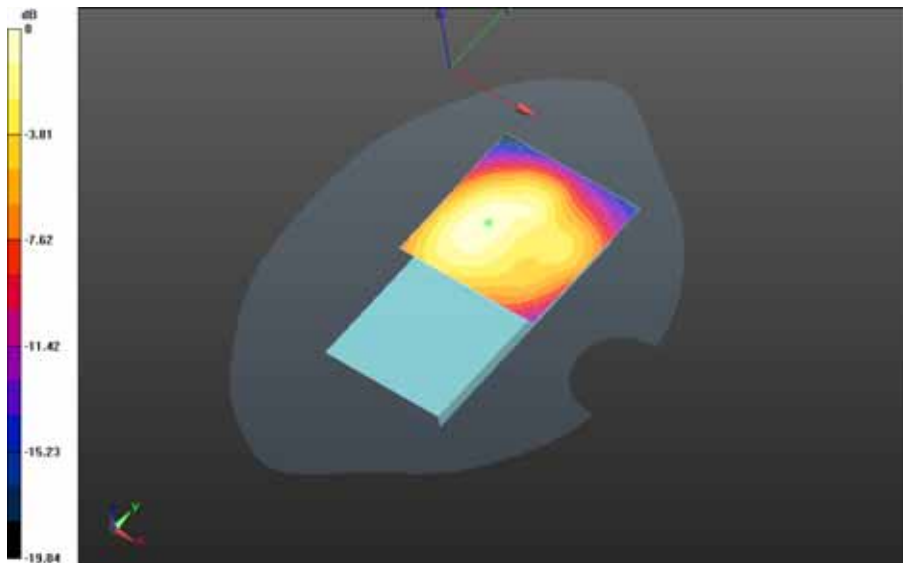


0 dB = 0.520 W/kg = -2.84 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Back - LTE band  
4\_chan20300\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan  
(61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.897 V/m; **Power Drift = 0.105 dB**

**Fast SAR: SAR(1g) = 0.368 W/kg; SAR(10g) = 0.225 W/kg**  
Maximum value of SAR (interpolated) = 0.400 W/kg

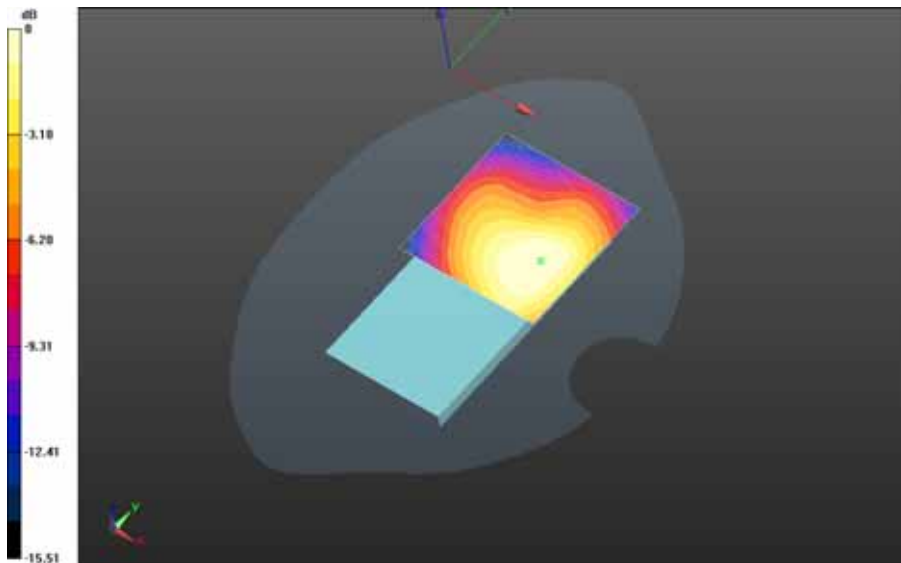


0 dB = 0.400 W/kg = -3.98 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Body Worn MSL - LTE band 4 - Slider Closed/15mm Device Front - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.093 V/m; **Power Drift = 0.011 dB**

**Fast SAR: SAR(1g) = 0.336 W/kg; SAR(10g) = 0.213 W/kg**  
Maximum value of SAR (interpolated) = 0.357 W/kg

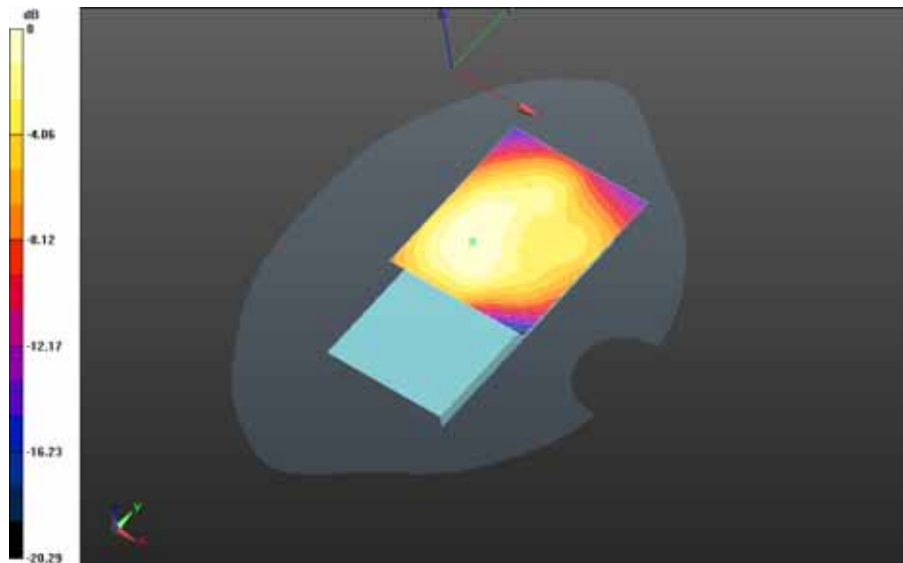


0 dB = 0.357 W/kg = -4.47 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - LTE band 4 - Slider Closed/Holster Device Back - LTE band  
4\_chan20300\_20MHz\_BW\_RB1\_Offset\_Mid\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan  
(61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.480 V/m; Power Drift = -0.040 dB**

**Fast SAR: SAR(1g) = 0.230 W/kg; SAR(10g) = 0.144 W/kg  
Maximum value of SAR (interpolated) = 0.246 W/kg**



0 dB = 0.246 W/kg = -6.09 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

## UMTS Band IV

Date: 7/27/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

### Configuration: Right-Hand-Side HSL -UMTS band IV\_slider closed

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1732.6 MHz

Medium Parameters used:  $f=1732.6$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 38.591$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

### DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### Right-Hand-Side HSL -UMTS band IV\_slider closed/Touch Position -UMTS band

**IV\_chan1413\_amb\_temp\_23.9C\_liq\_temp\_23.3C/Area Scan (121x171x1):** Interpolated grid:


$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 11.279 V/m; **Power Drift = 0.030 dB**


**Fast SAR: SAR(1g) = 0.358 W/kg; SAR(10g) = 0.216 W/kg**

Maximum value of SAR (interpolated) = 0.394 W/kg



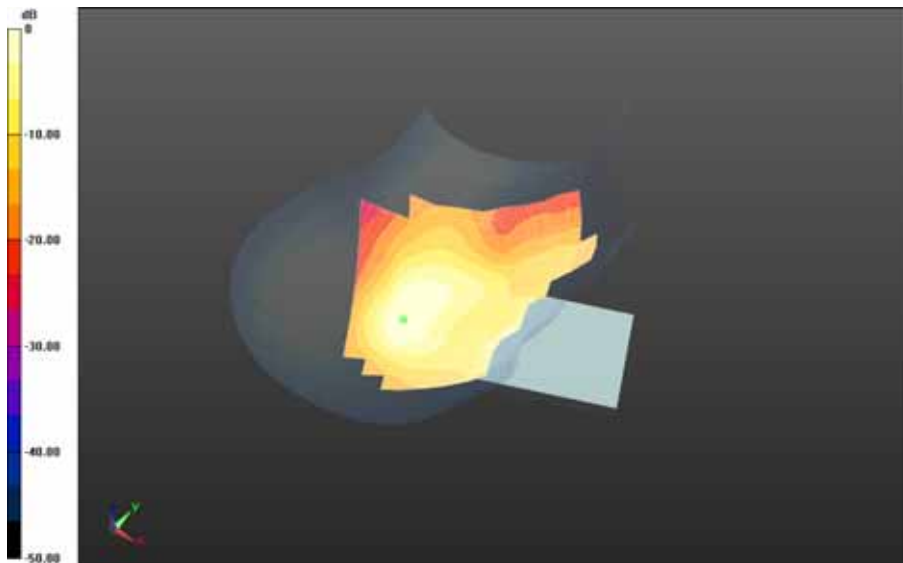
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

0 dB = 0.394 W/kg = -4.05 dBW/kg

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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>


**Right-Hand-Side HSL -UMTS band IV\_slider closed/Tilt Position -UMTS band  
 IV\_chan1413\_amb\_temp\_23.7C\_liq\_temp\_23.2C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 18.413 V/m; **Power Drift = 0.00596 dB**

**Fast SAR: SAR(1g) = 0.396 W/kg; SAR(10g) = 0.229 W/kg**  
 Maximum value of SAR (interpolated) = 0.457 W/kg



0 dB = 0.457 W/kg = -3.40 dBW/kg



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/27/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - UMTS band IV\_slider closed**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1712.4 MHz

Medium Parameters used:  $f=1712.4$  MHz;  $\sigma = 1.345$  S/m;  $\epsilon_r = 38.680$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band**

**IV\_chan1312\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Area Scan (121x61x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 8.123 V/m; **Power Drift = 0.043 dB**

**Fast SAR: SAR(1g) = 0.752 W/kg; SAR(10g) = 0.449 W/kg**

Maximum value of SAR (interpolated) = 0.835 W/kg

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band**


**IV\_chan1312\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

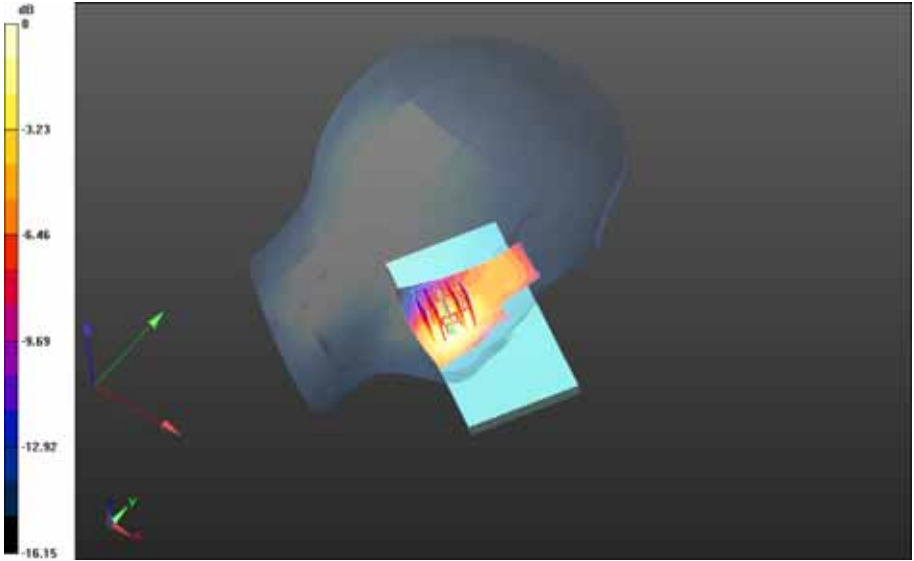
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 8.123 V/m; **Power Drift = 0.043 dB**


**Averaged SAR: SAR(1g) = 0.764 W/kg; SAR(10g) = 0.486 W/kg**

Maximum value of SAR (interpolated) = 1.09 W/kg

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0 dB = 0.824 W/kg = -0.84 dBW/kg

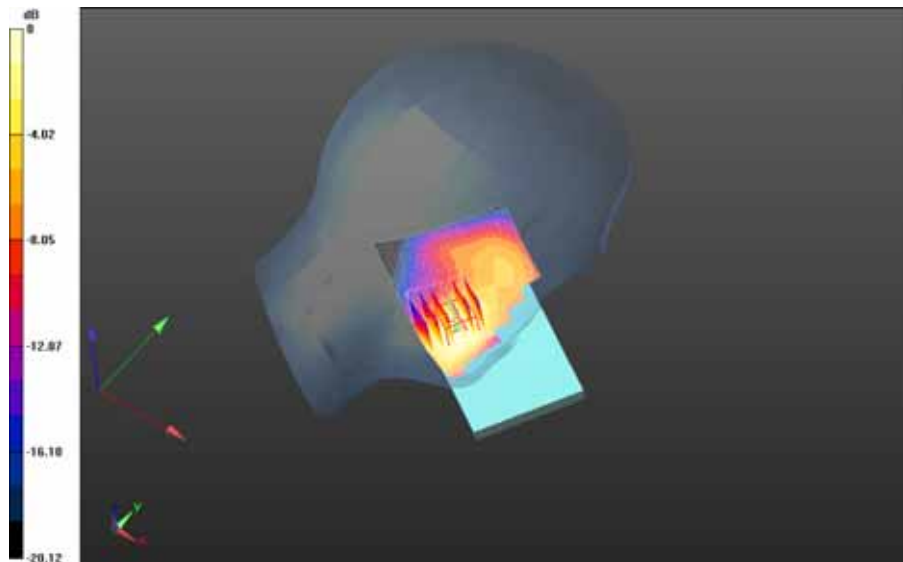
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band IV\_chan1413\_amb\_temp\_23.6C\_liq\_temp\_23.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.464 V/m; **Power Drift = -0.095 dB**


**Fast SAR: SAR(1g) = 0.820 W/kg; SAR(10g) = 0.484 W/kg**  
Maximum value of SAR (interpolated) = 0.913 W/kg

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band IV\_chan1413\_amb\_temp\_23.6C\_liq\_temp\_23.1C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 9.464 V/m; **Power Drift = -0.095 dB**

**Averaged SAR: SAR(1g) = 0.823 W/kg; SAR(10g) = 0.517 W/kg**  
Maximum value of SAR (interpolated) = 1.20 W/kg



0 dB = 0.905 W/kg = -0.43 dBW/kg

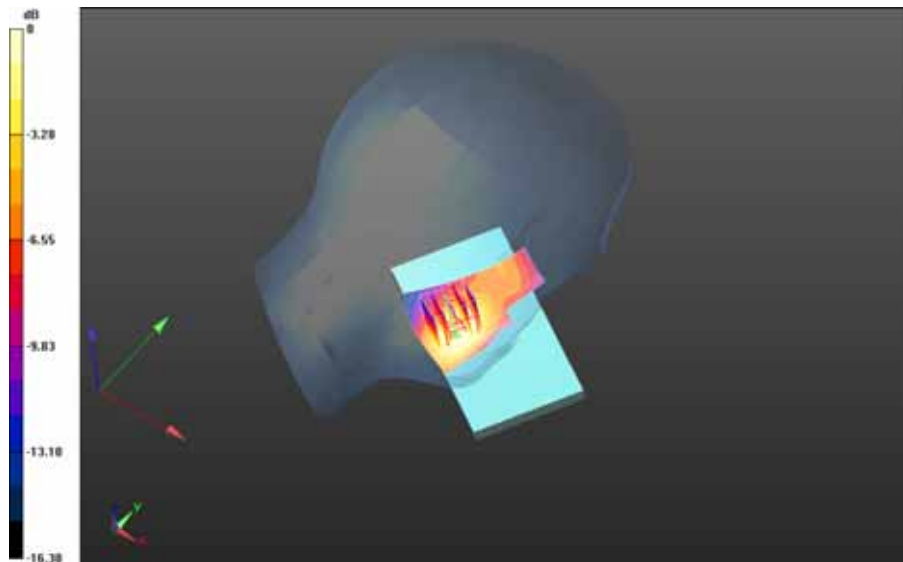
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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band IV\_chan1513\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Area Scan (121x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.402 V/m; **Power Drift = 0.127 dB**


**Fast SAR: SAR(1g) = 0.880 W/kg; SAR(10g) = 0.522 W/kg**  
Maximum value of SAR (interpolated) = 0.975 W/kg

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -UMTS band IV\_chan1513\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 9.402 V/m; **Power Drift = 0.127 dB**

**Averaged SAR: SAR(1g) = 0.888 W/kg; SAR(10g) = 0.554 W/kg**  
Maximum value of SAR (interpolated) = 1.30 W/kg

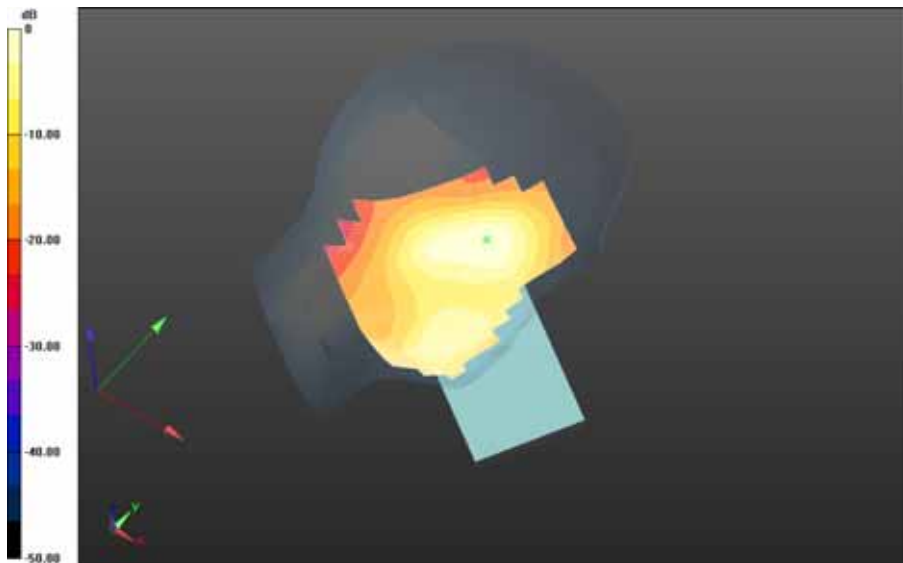


0 dB = 0.957 W/kg = -0.19 dBW/kg


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**Left-Hand-Side HSL - UMTS band IV\_slider closed/Tilt Position - UMTS band  
 IV\_chan1413\_amb\_temp\_23.6C\_liq\_temp\_23.1C/Area Scan 2 (121x171x1): Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 17.675 V/m; Power Drift = -0.061 dB**

**Fast SAR: SAR(1g) = 0.440 W/kg; SAR(10g) = 0.268 W/kg  
 Maximum value of SAR (interpolated) = 0.552 W/kg**



0 dB = 0.552 W/kg = -2.58 dBW/kg

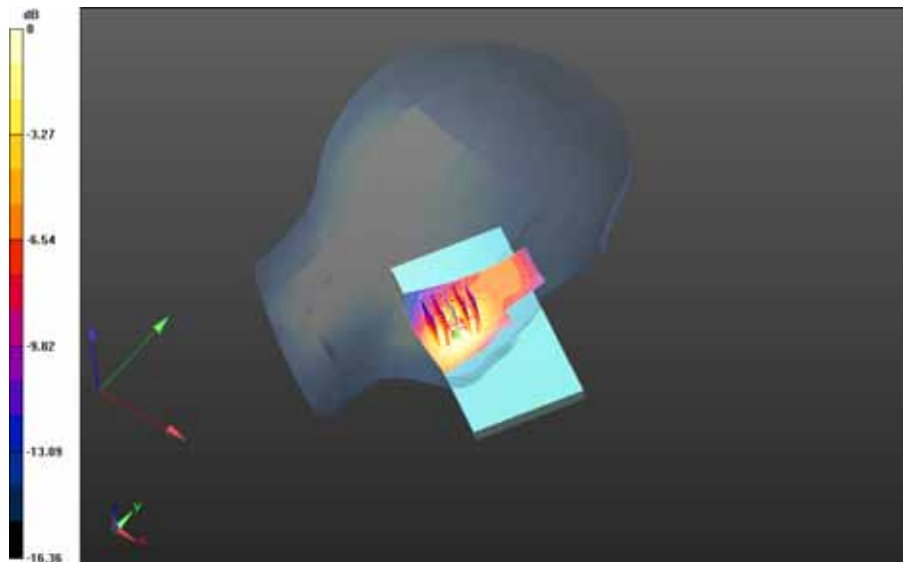
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -2nd Scan-UMTS band IV\_chan1513\_amb\_temp\_23.5C\_liq\_temp\_22.9C/Area Scan (121x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.453 V/m; **Power Drift = 0.041 dB**


**Fast SAR: SAR(1g) = 0.899 W/kg; SAR(10g) = 0.532 W/kg**  
Maximum value of SAR (interpolated) = 1.00 W/kg

**Left-Hand-Side HSL - UMTS band IV\_slider closed/Touch Position -2nd Scan-UMTS band IV\_chan1513\_amb\_temp\_23.5C\_liq\_temp\_22.9C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 9.453 V/m; **Power Drift = 0.041 dB**

**Averaged SAR: SAR(1g) = 0.912 W/kg; SAR(10g) = 0.568 W/kg**  
Maximum value of SAR (interpolated) = 1.34 W/kg



0 dB = 0.981 W/kg = -0.08 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/27/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Right-Hand-Side HSL -UMTS band IV\_slider open**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1732.6 MHz

Medium Parameters used:  $f=1732.6$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 38.591$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL -UMTS band IV\_slider open/Touch Position -UMTS band**

**IV\_chan1413\_amb\_temp\_23.8C\_liq\_temp\_23.3C/Area Scan (121x171x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 9.460 V/m; **Power Drift = -0.181 dB**

**Fast SAR: SAR(1g) = 0.293 W/kg; SAR(10g) = 0.184 W/kg**

Maximum value of SAR (interpolated) = 0.318 W/kg

[10g avg. SAR maximum on border.](#)

**Right-Hand-Side HSL -UMTS band IV\_slider open/Touch Position -UMTS band**


**IV\_chan1413\_amb\_temp\_23.8C\_liq\_temp\_23.3C/Zoom Scan (26x26x36)/Cube 0:** Interpolated

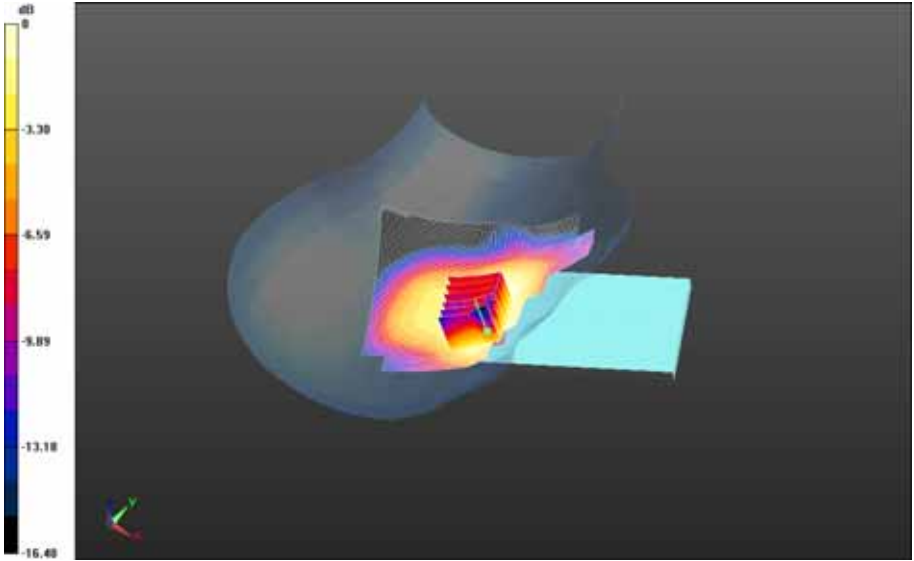
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 9.460 V/m; **Power Drift = -0.181 dB**

**Averaged SAR: SAR(1g) = 0.286 W/kg; SAR(10g) = 0.197 W/kg**


Maximum value of SAR (interpolated) = 0.395 W/kg

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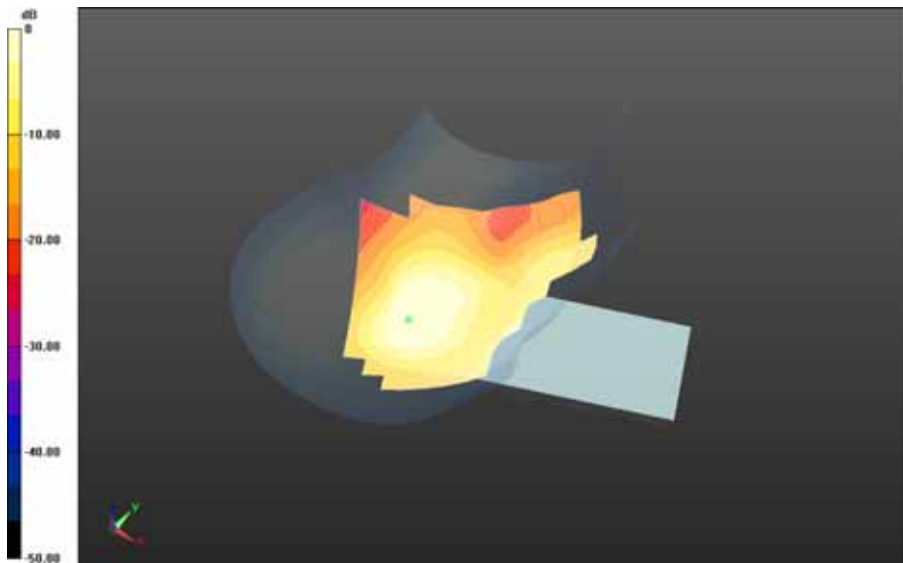
0 dB = 0.307 W/kg = -5.13 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Right-Hand-Side HSL -UMTS band IV\_slider open/Tilt Position -UMTS band  
IV\_chan1413\_amb\_temp\_23.7C\_liq\_temp\_23.2C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 16.633 V/m; **Power Drift = -0.027 dB**

**Fast SAR: SAR(1g) = 0.337 W/kg; SAR(10g) = 0.211 W/kg**  
Maximum value of SAR (interpolated) = 0.371 W/kg



0 dB = 0.371 W/kg = -4.31 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/27/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - UMTS band IV\_slider open**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1732.6 MHz

Medium Parameters used:  $f=1732.6$  MHz;  $\sigma = 1.366$  S/m;  $\epsilon_r = 38.591$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - UMTS band IV\_slider open/Touch Position -UMTS band**

**IV\_chan1413\_amb\_temp\_23.6C\_liq\_temp\_23.2C/Area Scan (121x171x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 6.849 V/m; **Power Drift = -0.110 dB**

**Fast SAR: SAR(1g) = 0.537 W/kg; SAR(10g) = 0.320 W/kg**

Maximum value of SAR (interpolated) = 0.596 W/kg

**Left-Hand-Side HSL - UMTS band IV\_slider open/Touch Position -UMTS band**


**IV\_chan1413\_amb\_temp\_23.6C\_liq\_temp\_23.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

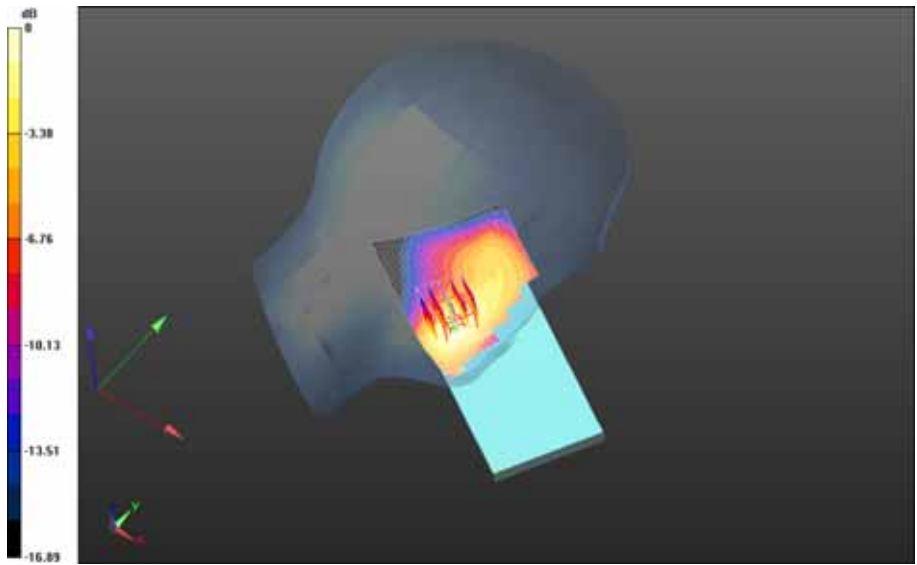
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 6.849 V/m; **Power Drift = -0.110 dB**


**Averaged SAR: SAR(1g) = 0.538 W/kg; SAR(10g) = 0.346 W/kg**

Maximum value of SAR (interpolated) = 0.759 W/kg

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0 dB = 0.588 W/kg = -2.31 dBW/kg

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**Left-Hand-Side HSL - UMTS band IV\_slider open/Tilt Position - UMTS band  
 IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Area Scan 2 (121x171x1): Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 14.500 V/m; Power Drift = -0.120 dB**

**Fast SAR: SAR(1g) = 0.428 W/kg; SAR(10g) = 0.263 W/kg  
 Maximum value of SAR (interpolated) = 0.550 W/kg**



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 8/31/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Mobile Hot Spot MSL - UMTS IV\_slider closed**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1732.6 MHz

Medium Parameters used:  $f=1732.6$  MHz;  $\sigma = 1.508$  S/m;  $\epsilon_r = 51.306$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - UMTS IV\_slider closed/10mm Device Back - UMTS**


**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.1C/Area Scan (121x171x1):** Interpolated grid:

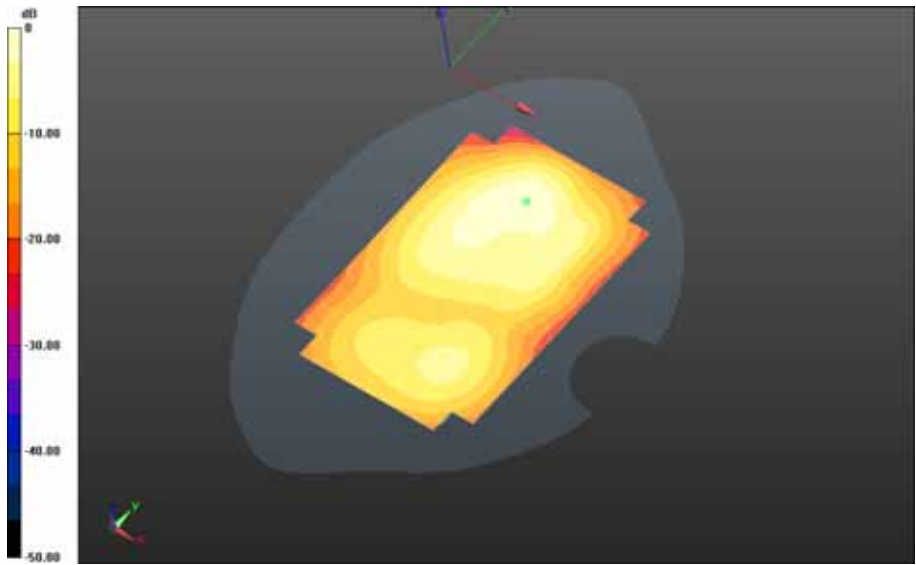
$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 10.915 V/m; **Power Drift = -0.000375 dB**


**Fast SAR: SAR(1g) = 0.689 W/kg; SAR(10g) = 0.400 W/kg**

Maximum value of SAR (interpolated) = 0.796 W/kg

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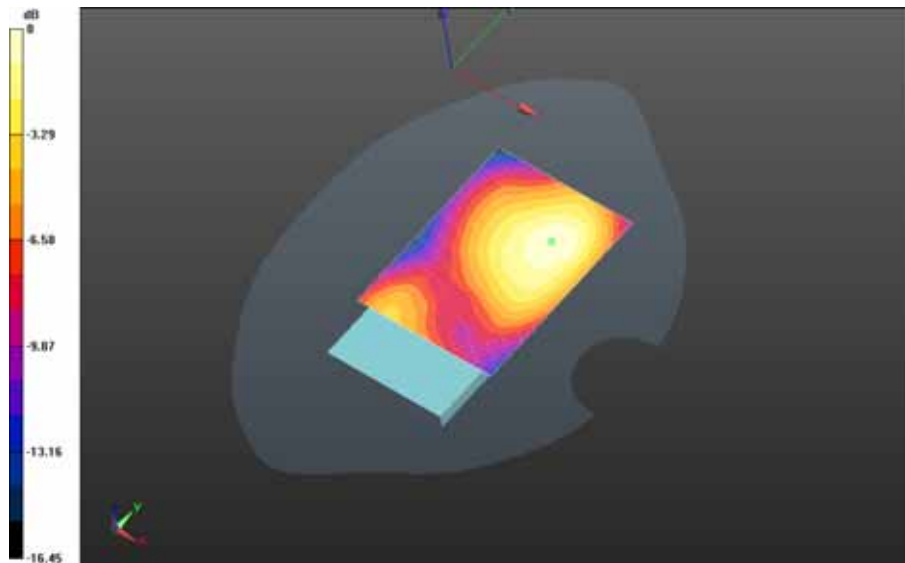


0 dB = 0.796 W/kg = -0.99 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS IV\_slider closed/10mm Device Front - UMTS  
IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Area Scan (61x81x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.629 V/m; **Power Drift = -0.00269 dB**

**Fast SAR: SAR(1g) = 0.476 W/kg; SAR(10g) = 0.291 W/kg**  
Maximum value of SAR (interpolated) = 0.520 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

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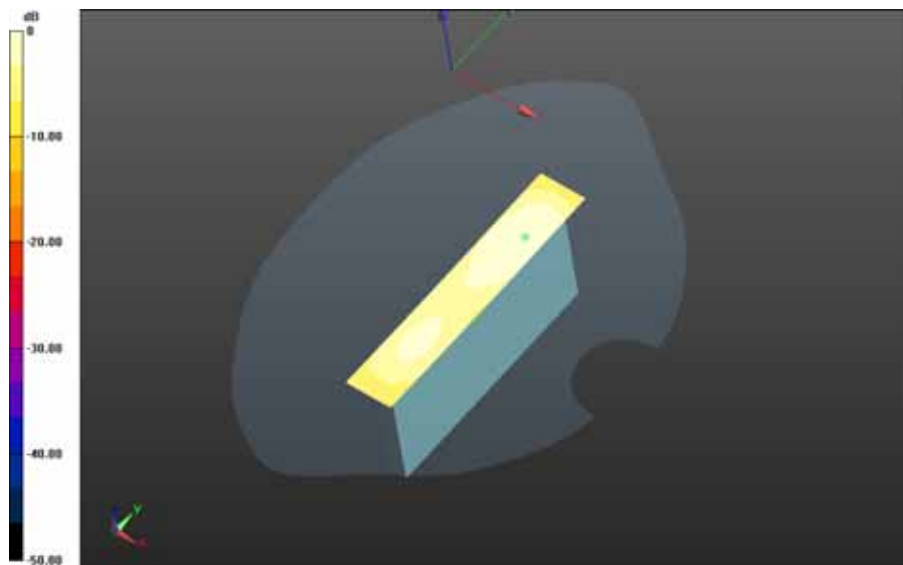
**Mobile Hot Spot MSL - UMTS IV\_slider closed/10mm Device Left - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm

Reference Value = 11.290 V/m; **Power Drift = 0.032 dB**


**Fast SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.180 W/kg**

Maximum value of SAR (interpolated) = 0.340 W/kg



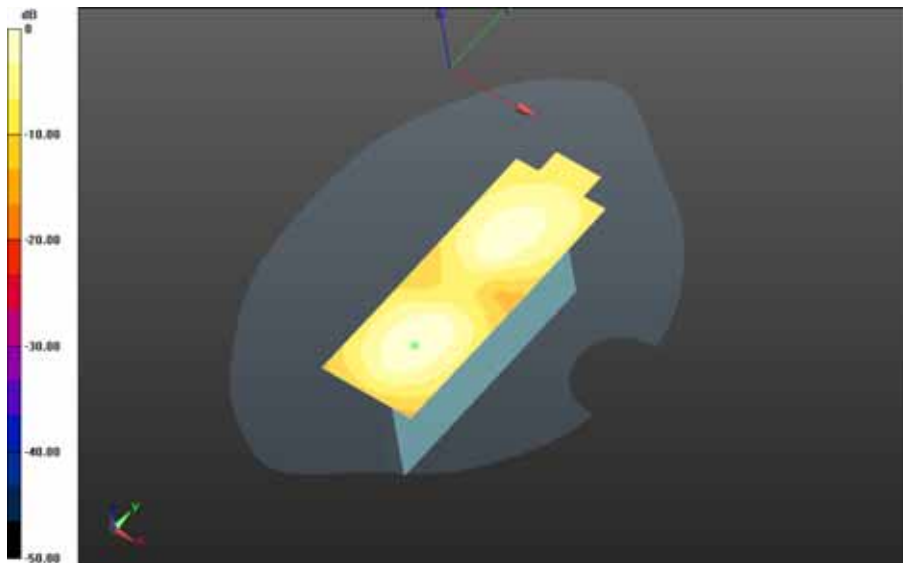
0 dB = 0.340 W/kg = -4.69 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS IV\_slider closed/10mm Device Right - UMTS  
IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 3.521 V/m; **Power Drift = 0.071 dB**

**Fast SAR: SAR(1g) = 0.121 W/kg; SAR(10g) = 0.0691 W/kg**  
Maximum value of SAR (interpolated) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

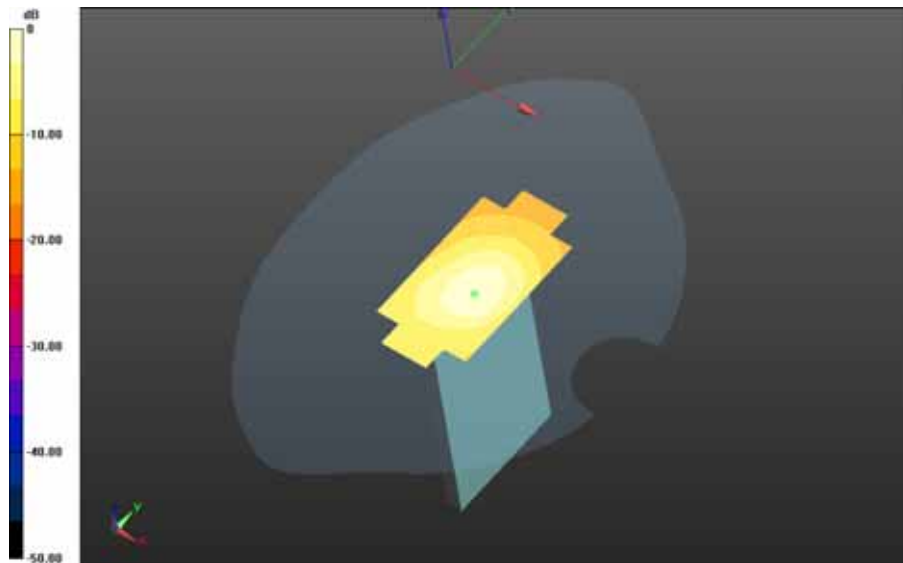
**Mobile Hot Spot MSL - UMTS IV\_slider closed/10mm Device Bottom - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 15.854 V/m; **Power Drift = -0.030 dB**

**Fast SAR: SAR(1g) = 0.325 W/kg; SAR(10g) = 0.182 W/kg**

Maximum value of SAR (interpolated) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 8/31/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Mobile Hot Spot MSL - UMTS IV\_slider open**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1712.4 MHz

Medium Parameters used:  $f=1712.4$  MHz;  $\sigma = 1.489$  S/m;  $\epsilon_r = 51.296$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**

**IV\_chan1312\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Area Scan (61x61x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 12.521 V/m; **Power Drift = 0.016 dB**

**Fast SAR: SAR(1g) = 0.907 W/kg; SAR(10g) = 0.533 W/kg**

Maximum value of SAR (interpolated) = 1.01 W/kg

**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**


**IV\_chan1312\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Zoom Scan (26x26x36)/Cube 0:** Interpolated

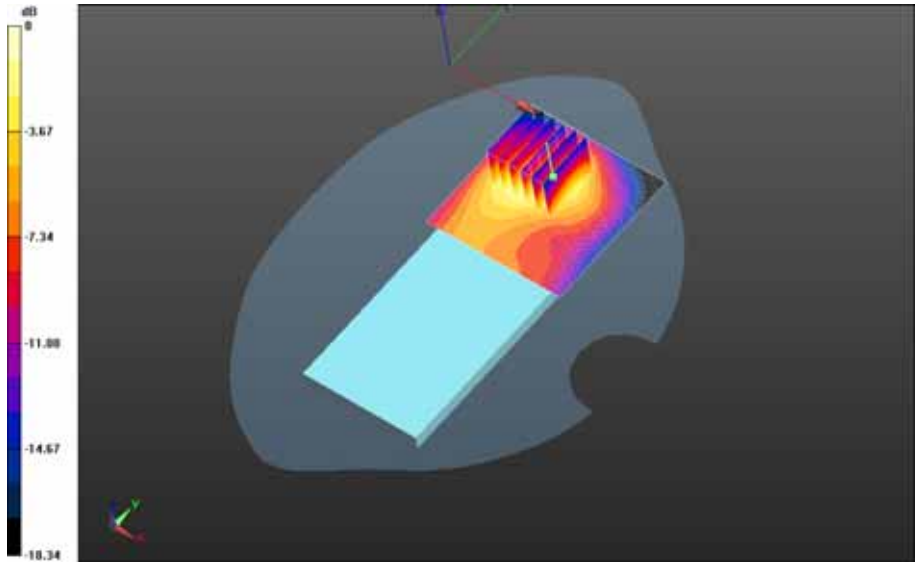
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 12.521 V/m; **Power Drift = 0.016 dB**


**Averaged SAR: SAR(1g) = 0.905 W/kg; SAR(10g) = 0.542 W/kg**

Maximum value of SAR (interpolated) = 1.41 W/kg

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0 dB = 1.01 W/kg = 0.04 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm

Reference Value = 12.596 V/m; **Power Drift = -0.073 dB**

**Fast SAR: SAR(1g) = 0.909 W/kg; SAR(10g) = 0.530 W/kg**

Maximum value of SAR (interpolated) = 1.01 W/kg

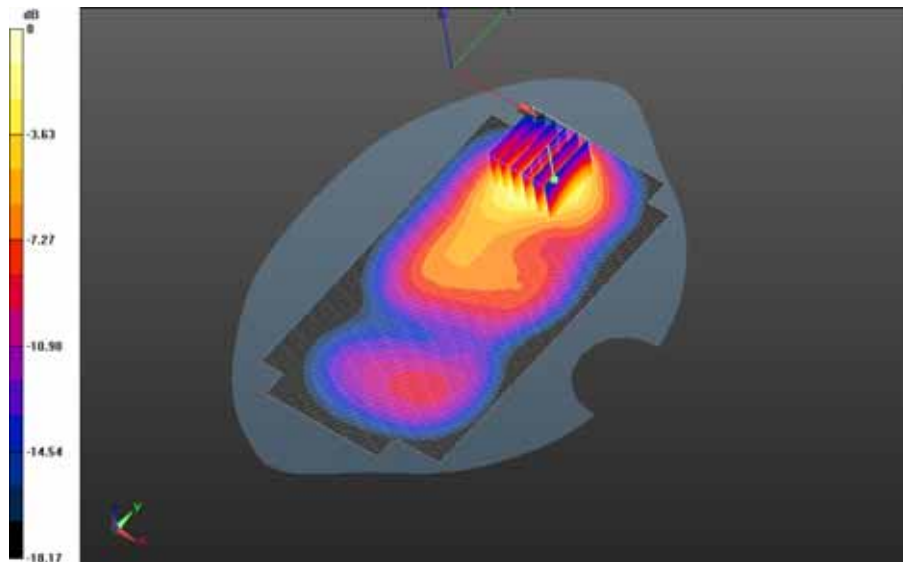
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 12.596 V/m; **Power Drift = -0.073 dB**

**Averaged SAR: SAR(1g) = 0.905 W/kg; SAR(10g) = 0.546 W/kg**

Maximum value of SAR (interpolated) = 1.41 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

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**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**

**IV\_chan1513\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (61x61x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm

Reference Value = 12.286 V/m; **Power Drift = 0.017 dB**

**Fast SAR: SAR(1g) = 0.844 W/kg; SAR(10g) = 0.498 W/kg**

Maximum value of SAR (interpolated) = 0.935 W/kg

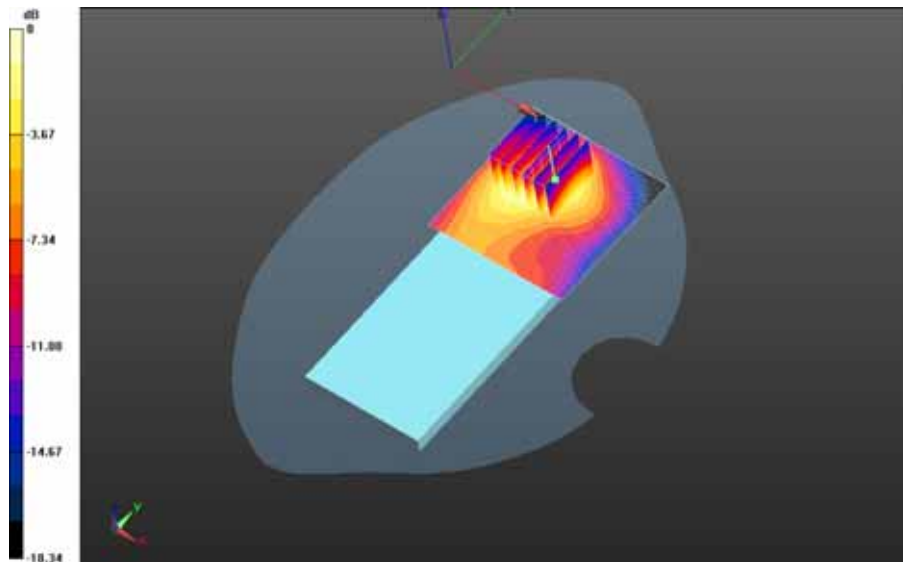
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Back - UMTS**

**IV\_chan1513\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 12.286 V/m; **Power Drift = 0.017 dB**

**Averaged SAR: SAR(1g) = 0.836 W/kg; SAR(10g) = 0.512 W/kg**

Maximum value of SAR (interpolated) = 1.32 W/kg



0 dB = 0.928 W/kg = -0.32 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

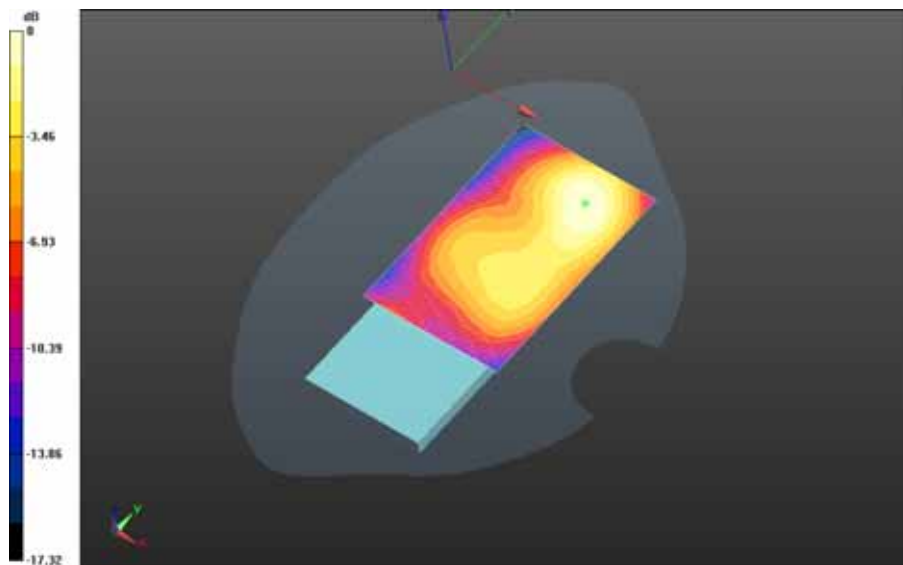
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Front - UMTS**

**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Area Scan (61x91x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 12.629 V/m; **Power Drift = -0.021 dB**

**Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.307 W/kg**

Maximum value of SAR (interpolated) = 0.545 W/kg



0 dB = 0.545 W/kg = -2.64 dBW/kg

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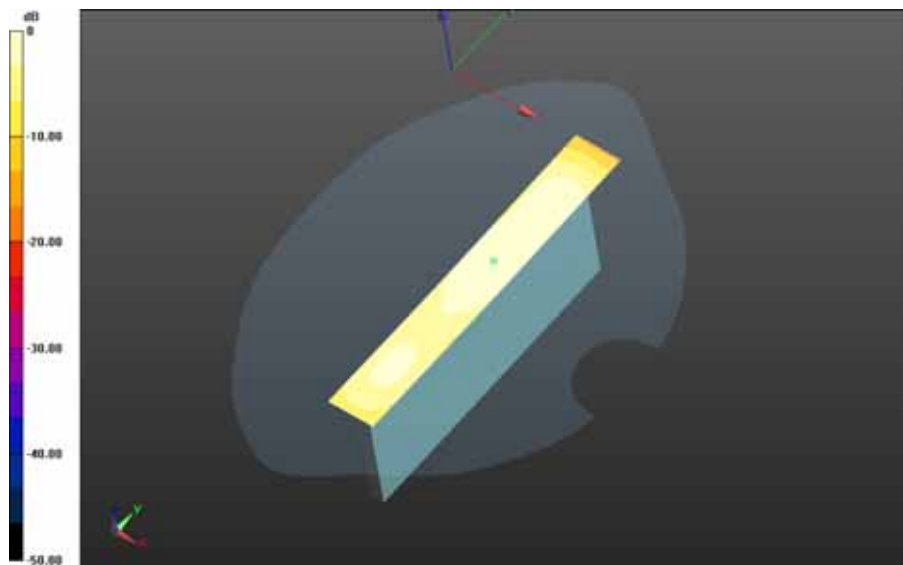
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Left - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm

Reference Value = 15.467 V/m; **Power Drift = -0.013 dB**


**Fast SAR: SAR(1g) = 0.331 W/kg; SAR(10g) = 0.199 W/kg**

Maximum value of SAR (interpolated) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

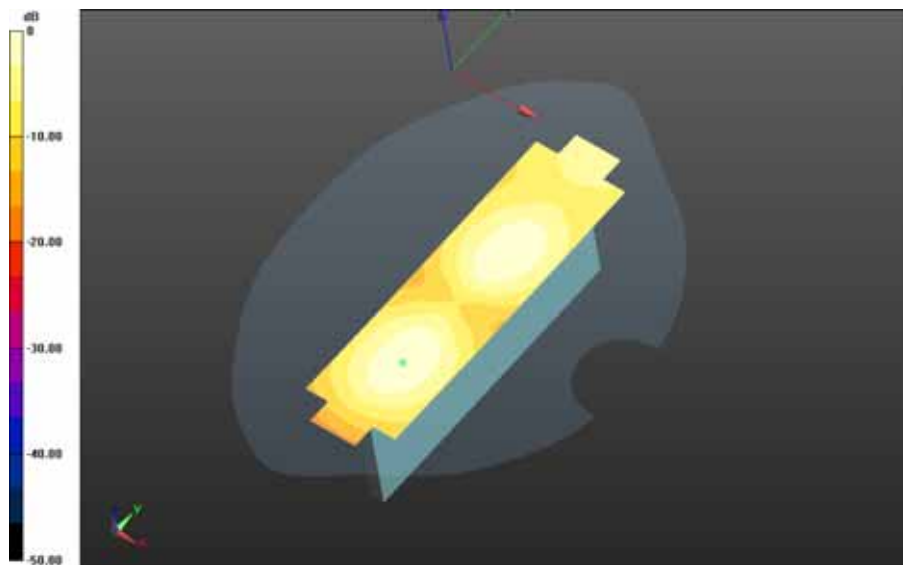
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Right - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 5.036 V/m; **Power Drift = 0.00777 dB**

**Fast SAR: SAR(1g) = 0.113 W/kg; SAR(10g) = 0.0659 W/kg**

Maximum value of SAR (interpolated) = 0.124 W/kg



0 dB = 0.124 W/kg = -9.07 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

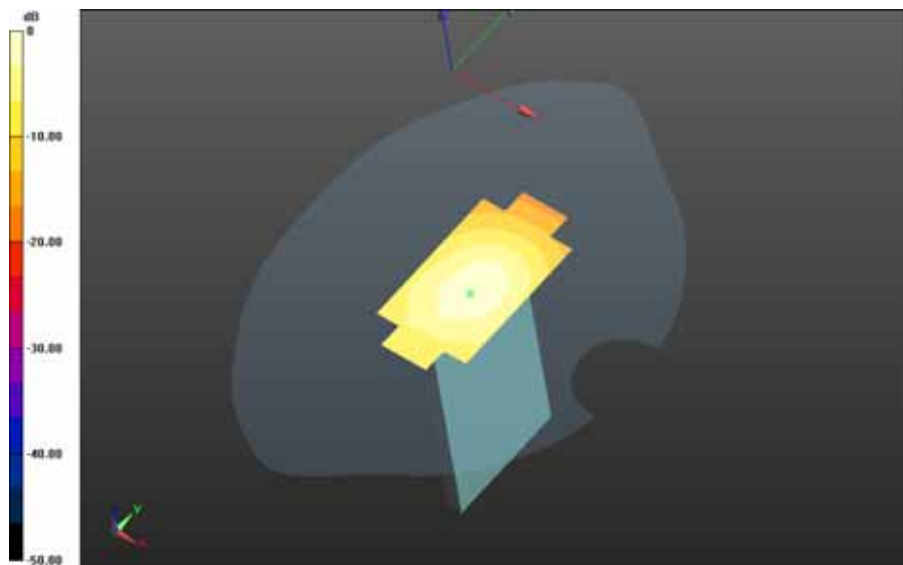
**Mobile Hot Spot MSL - UMTS IV\_slider open/10mm Device Bottom - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_23.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 15.888 V/m; **Power Drift = -0.021 dB**

**Fast SAR: SAR(1g) = 0.296 W/kg; SAR(10g) = 0.170 W/kg**

Maximum value of SAR (interpolated) = 0.338 W/kg



0 dB = 0.338 W/kg = -4.71 dBW/kg

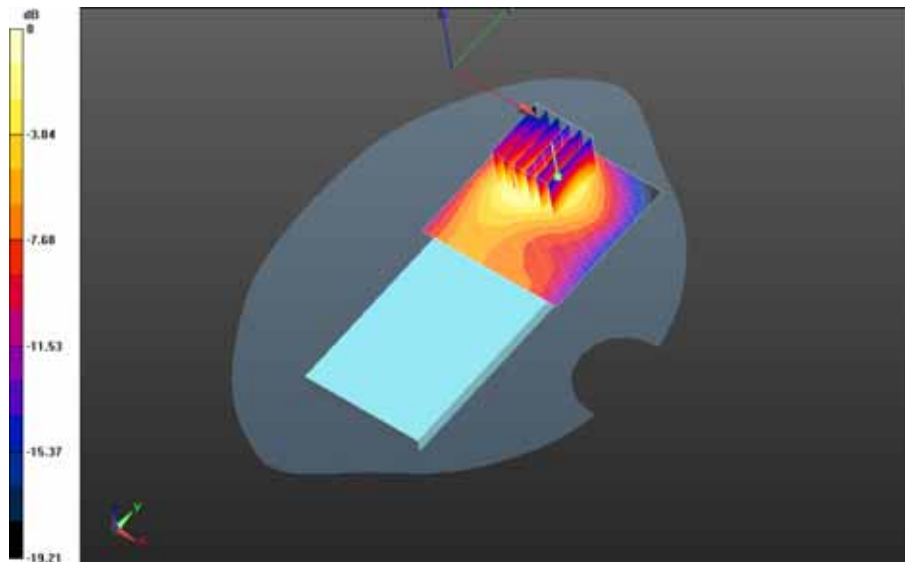
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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW</b> <b>(STV100-1) SAR Report Part 2/3</b>		<b>75(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS IV\_slider open/2nd Scan 10mm Device Back - UMTS**  
**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.726 V/m; **Power Drift = -0.00383 dB**


**Fast SAR: SAR(1g) = 0.932 W/kg; SAR(10g) = 0.547 W/kg**  
Maximum value of SAR (interpolated) = 1.05 W/kg

**Mobile Hot Spot MSL - UMTS IV\_slider open/2nd Scan 10mm Device Back - UMTS**  
**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Zoom Scan (26x26x36)/Cube 0:** Interpolated  
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.726 V/m; **Power Drift = -0.00383 dB**

**Averaged SAR: SAR(1g) = 0.893 W/kg; SAR(10g) = 0.537 W/kg**  
Maximum value of SAR (interpolated) = 1.42 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/27/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Body Worn MSL - UMTS band IV**

Communication System: WCDMA FDD IV (0); Communication System Band: UMTS band IV;

Frequency: 1712.4 MHz

Medium Parameters used:  $f=1712.4$  MHz;  $\sigma = 1.485$  S/m;  $\epsilon_r = 51.566$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - UMTS band IV/15mm Device Back - UMTS**


**IV\_chan1312\_amb\_temp\_23.3C\_liq\_temp\_22.2C/Area Scan (61x61x1):** Interpolated grid:

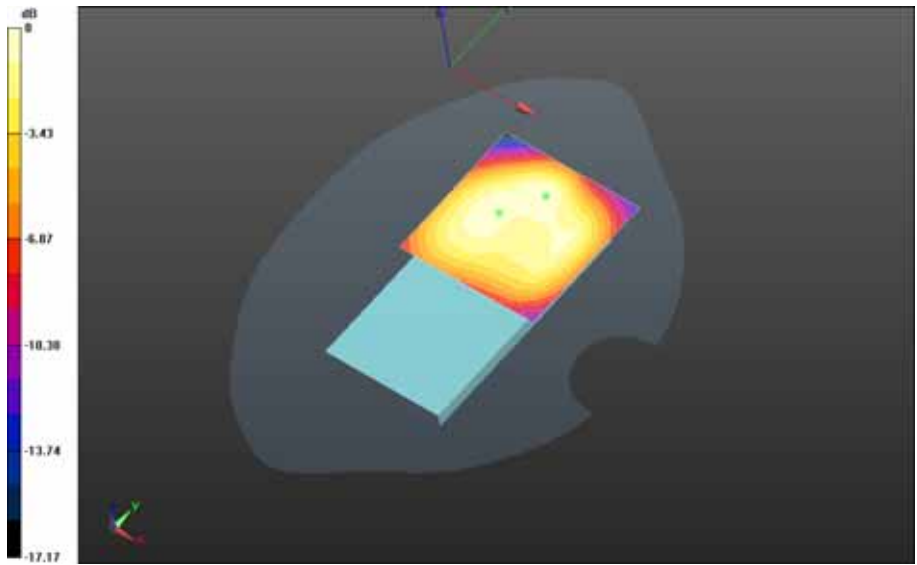
dx=1.500 mm, dy=1.500 mm

Reference Value = 9.648 V/m; **Power Drift = -0.016 dB**


**Fast SAR: SAR(1g) = 0.544 W/kg; SAR(10g) = 0.341 W/kg; Secondary SAR(1g) = 0.539 W/kg**

Maximum value of SAR (interpolated) = 0.613 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>



0 dB = 0.613 W/kg = -2.13 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - UMTS band IV/15mm Device Back - UMTS**

**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm

Reference Value = 10.292 V/m; **Power Drift = 0.040 dB**

**Fast SAR: SAR(1g) = 0.663 W/kg; SAR(10g) = 0.381 W/kg; Secondary SAR(1g) = 0.539 W/kg**

Maximum value of SAR (interpolated) = 0.755 W/kg

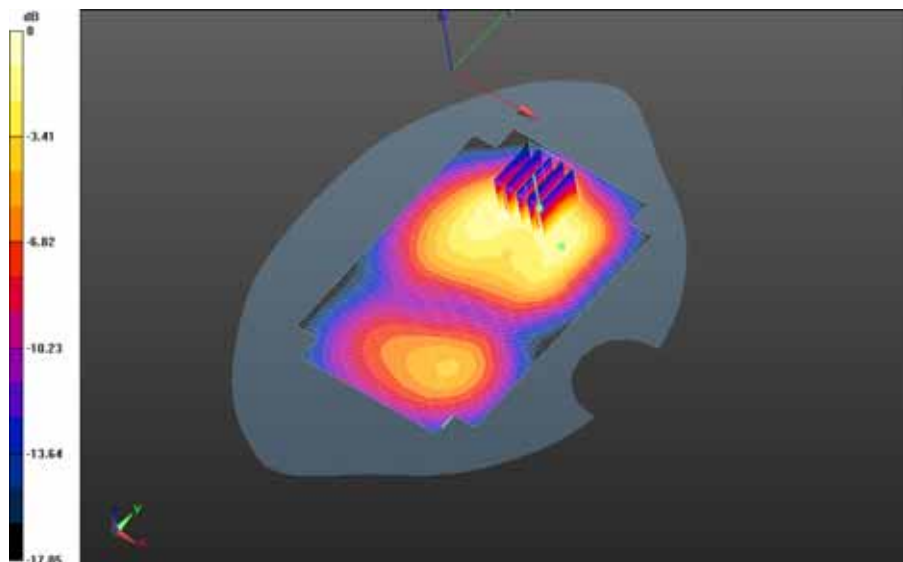
**Body Worn MSL - UMTS band IV/15mm Device Back - UMTS**

**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated  
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 10.292 V/m; **Power Drift = 0.040 dB**

**Averaged SAR: SAR(1g) = 0.669 W/kg; SAR(10g) = 0.381 W/kg**

Maximum value of SAR (interpolated) = 1.06 W/kg



0 dB = 0.725 W/kg = -1.40 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

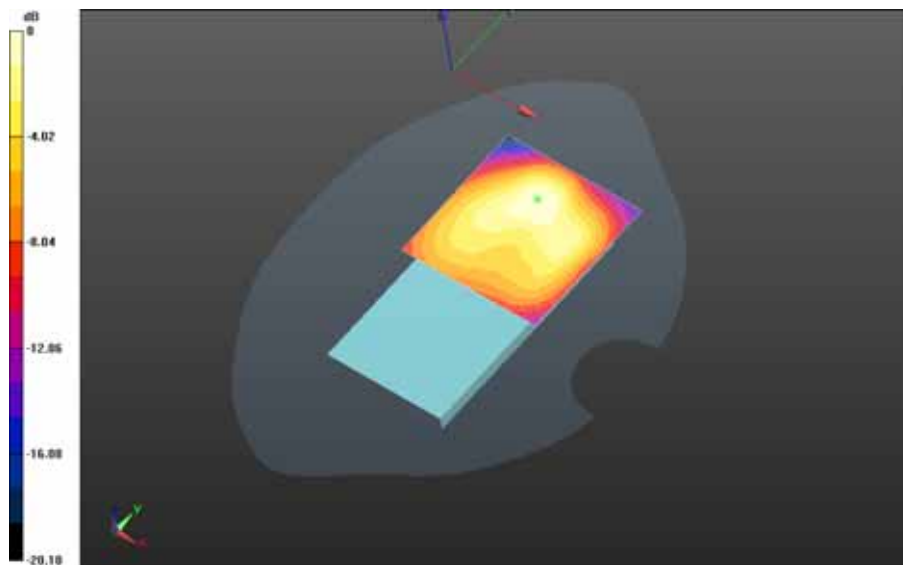
**Body Worn MSL - UMTS band IV/15mm Device Back - UMTS**

**IV\_chan1513\_amb\_temp\_23.4C\_liq\_temp\_22.2C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 9.658 V/m; **Power Drift = -0.0018 dB**

**Fast SAR: SAR(1g) = 0.648 W/kg; SAR(10g) = 0.385 W/kg**

Maximum value of SAR (interpolated) = 0.726 W/kg



0 dB = 0.726 W/kg = -1.39 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

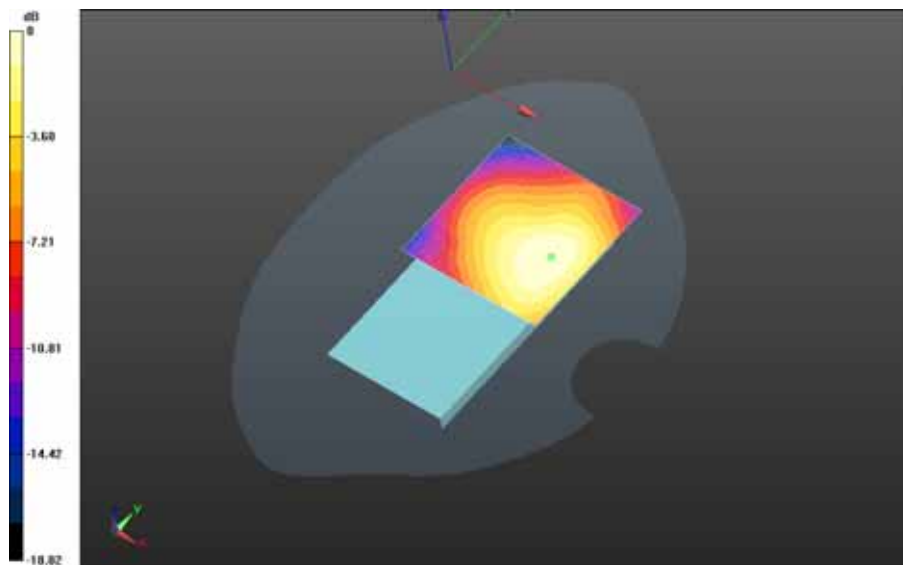
**Body Worn MSL - UMTS band IV/15mm Device Front - UMTS**

**IV\_chan1413\_amb\_temp\_23.5C\_liq\_temp\_22.1C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm

Reference Value = 10.416 V/m; **Power Drift = -0.033 dB**


**Fast SAR: SAR(1g) = 0.592 W/kg; SAR(10g) = 0.368 W/kg**

Maximum value of SAR (interpolated) = 0.641 W/kg



0 dB = 0.641 W/kg = -1.93 dBW/kg



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

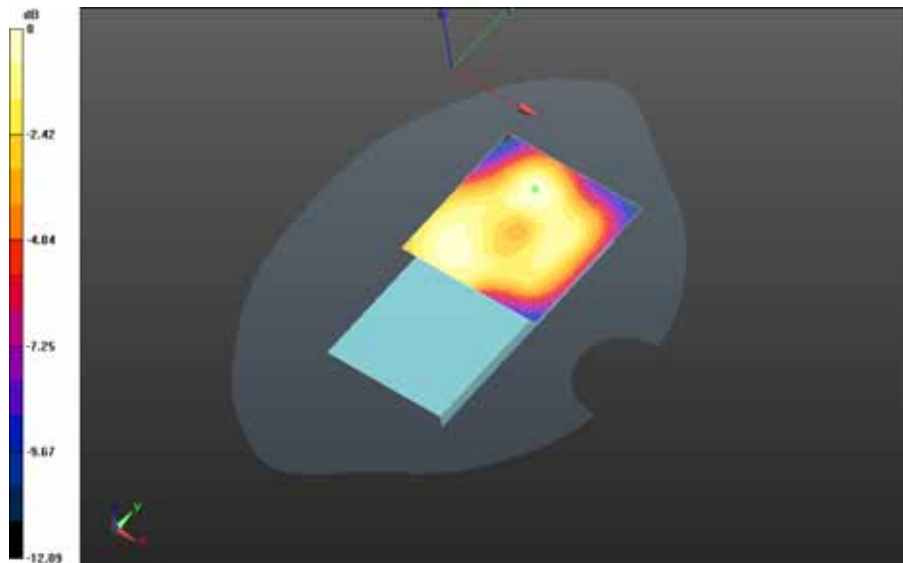
**Body Worn MSL - UMTS band IV/Holster Device Back - UMTS**

**IV\_chan1413\_amb\_temp\_23.4C\_liq\_temp\_22.1C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 8.612 V/m; **Power Drift = 0.041 dB**

**Fast SAR: SAR(1g) = 0.156 W/kg; SAR(10g) = 0.0952 W/kg**

Maximum value of SAR (interpolated) = 0.176 W/kg



0 dB = 0.176 W/kg = -7.54 dBW/kg

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## LTE Band 2

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

### Configuration: Right-Hand-Side HSL -LTE band 2\_slider closed

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 38.616$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

#### DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)


**Right-Hand-Side HSL -LTE band 2\_slider closed/Touch Position -LTE band 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.8C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.457 V/m; **Power Drift = -0.044 dB**


**Fast SAR: SAR(1g) = 0.295 W/kg; SAR(10g) = 0.174 W/kg**

Maximum value of SAR (interpolated) = 0.330 W/kg



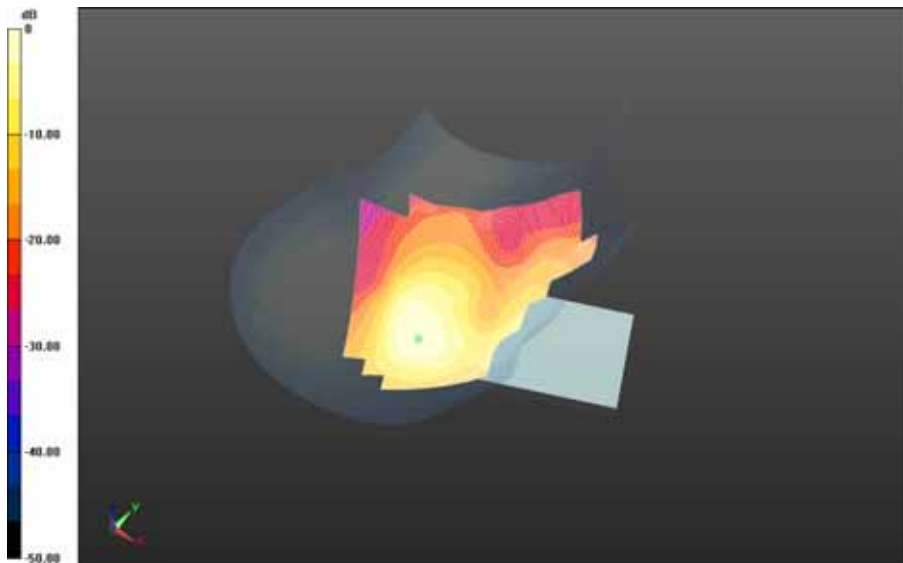
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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

0 dB = 0.330 W/kg = -4.81 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Right-Hand-Side HSL -LTE band 2\_slider closed/Tilt Position -LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.8C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 13.291 V/m; Power Drift = -0.023 dB**

**Fast SAR: SAR(1g) = 0.285 W/kg; SAR(10g) = 0.164 W/kg  
 Maximum value of SAR (interpolated) = 0.319 W/kg**



0 dB = 0.319 W/kg = -4.96 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - LTE band 2\_slider closed**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 38.616$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE band 2\_slider closed/Touch Position -LTE band**

**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.7C/Area Scan**

**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 9.965 V/m; **Power Drift = 0.057 dB**

**Fast SAR: SAR(1g) = 0.578 W/kg; SAR(10g) = 0.326 W/kg**

Maximum value of SAR (interpolated) = 0.639 W/kg

**Left-Hand-Side HSL - LTE band 2\_slider closed/Touch Position -LTE band**


**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.7C/Zoom Scan**

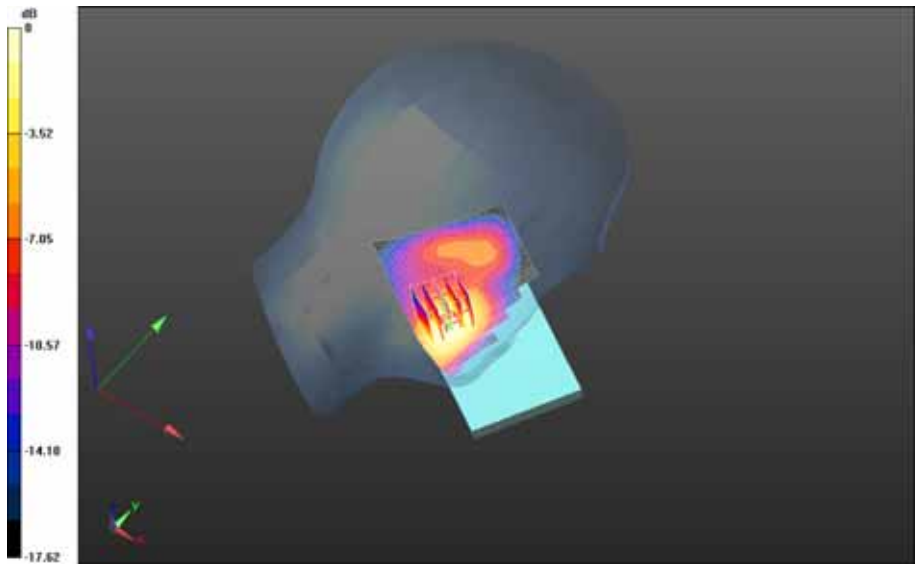
**(21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 9.965 V/m; **Power Drift = 0.057 dB**


**Averaged SAR: SAR(1g) = 0.573 W/kg; SAR(10g) = 0.353 W/kg**

Maximum value of SAR (interpolated) = 0.817 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

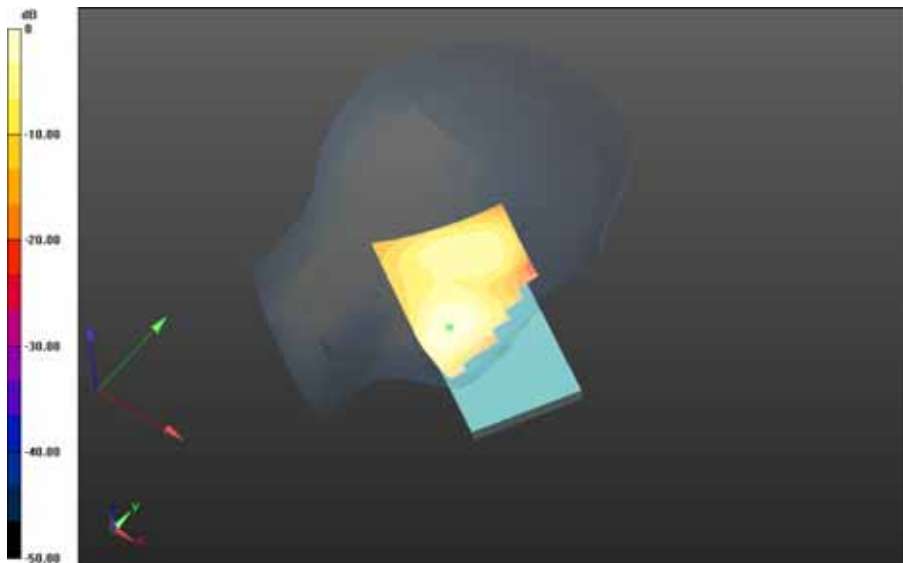


0 dB = 0.619 W/kg = -2.08 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - LTE band 2\_slider closed/Touch Position -LTE band  
2\_chan18900\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.7C\_liq\_temp\_21.6C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.499 V/m; Power Drift = 0.023 dB**

**Fast SAR: SAR(1g) = 0.460 W/kg; SAR(10g) = 0.260 W/kg  
Maximum value of SAR (interpolated) = 0.514 W/kg**

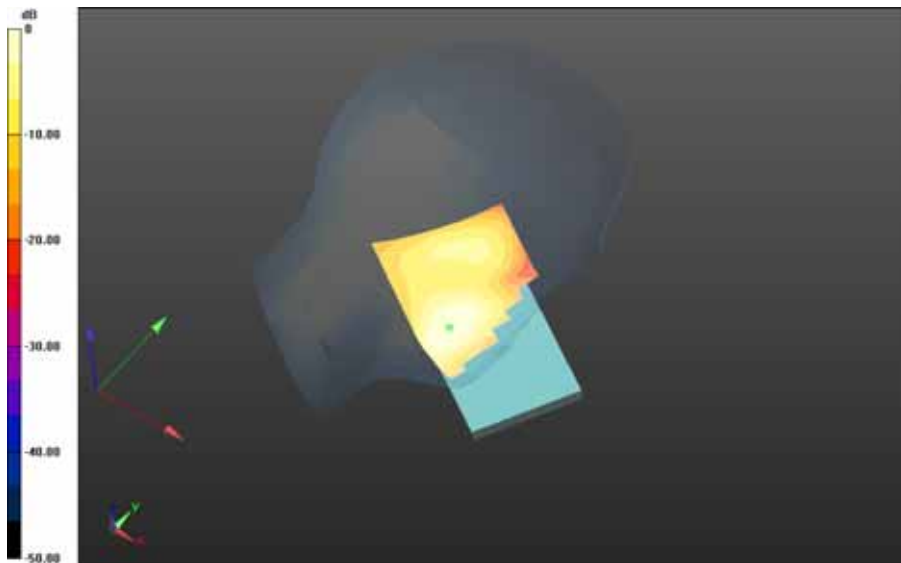


0 dB = 0.514 W/kg = -2.89 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>


**Left-Hand-Side HSL - LTE band 2\_slider closed/Touch Position -LTE band  
2\_chan19100\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.7C\_liq\_temp\_21.6C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 9.892 V/m; Power Drift = -0.00247 dB**

**Fast SAR: SAR(1g) = 0.444 W/kg; SAR(10g) = 0.250 W/kg  
Maximum value of SAR (interpolated) = 0.498 W/kg**



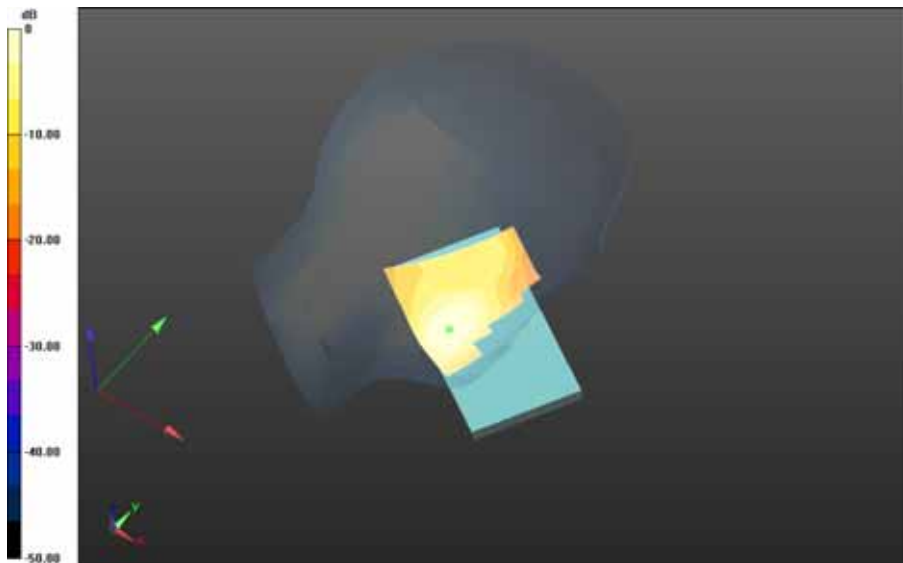
0 dB = 0.498 W/kg = -3.03 dBW/kg




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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Left-Hand-Side HSL - LTE band 2\_slider closed/Touch Position -LTE band  
 2\_chan18700\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.7C\_liq\_temp\_21.5C 4/Area Scan  
 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 8.427 V/m; Power Drift = -0.073 dB**

**Fast SAR: SAR(1g) = 0.470 W/kg; SAR(10g) = 0.268 W/kg  
 Maximum value of SAR (interpolated) = 0.514 W/kg**

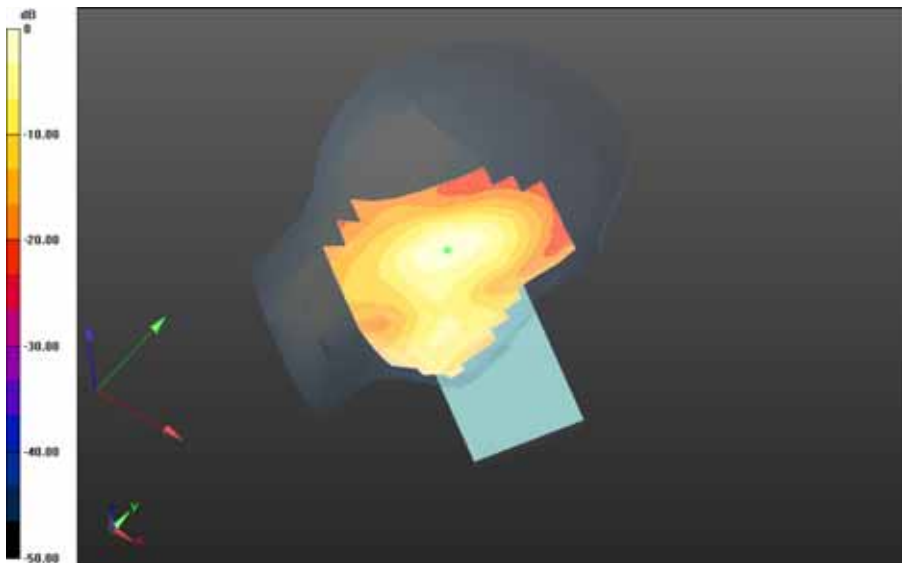


0 dB = 0.514 W/kg = -2.89 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Left-Hand-Side HSL - LTE band 2\_slider closed/Tilt Position - LTE band  
2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.6C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 15.640 V/m; Power Drift = -0.167 dB**

**Fast SAR: SAR(1g) = 0.307 W/kg; SAR(10g) = 0.168 W/kg  
Maximum value of SAR (interpolated) = 0.364 W/kg**



0 dB = 0.364 W/kg = -4.39 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Right-Hand-Side HSL -LTE band 2\_slider open**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 38.616$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL -LTE band 2\_slider open/Touch Position -LTE band**


**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_21.8C/Area Scan**

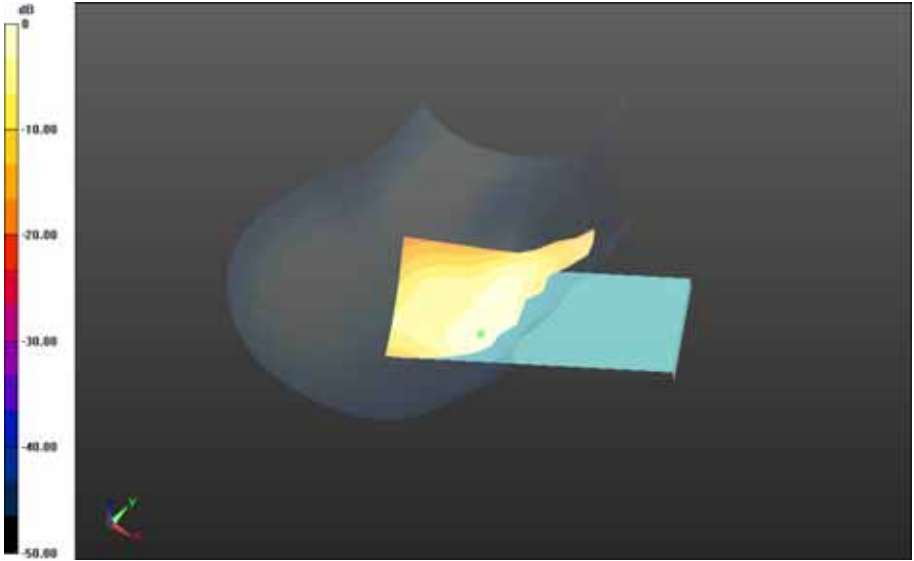
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.354 V/m; **Power Drift = 0.00411 dB**


**Fast SAR: SAR(1g) = 0.275 W/kg; SAR(10g) = 0.165 W/kg**

Maximum value of SAR (interpolated) = 0.308 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

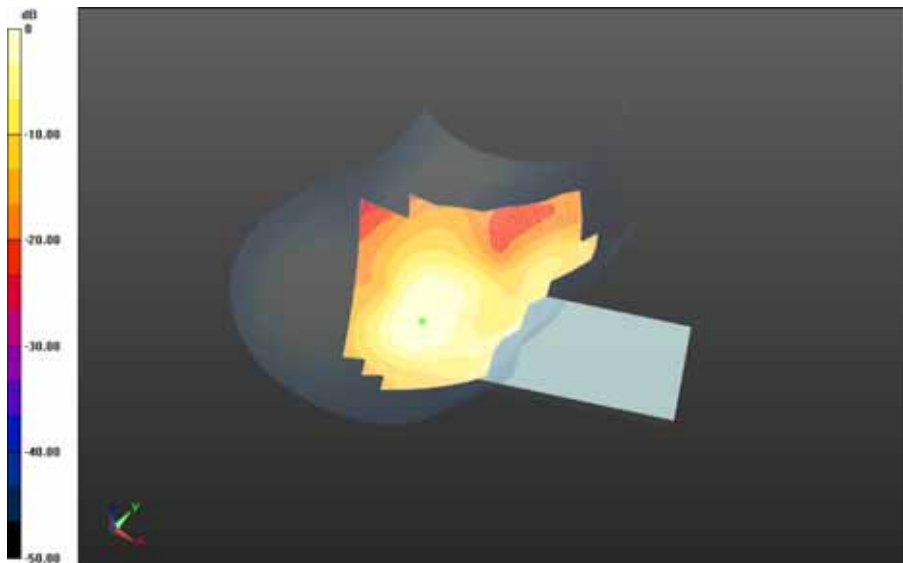


0 dB = 0.308 W/kg = -5.11 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Right-Hand-Side HSL -LTE band 2\_slider open/Tilt Position -LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_21.6C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 14.685 V/m; **Power Drift = 0.149 dB****

**Fast SAR: SAR(1g) = 0.287 W/kg; SAR(10g) = 0.172 W/kg**  
 Maximum value of SAR (interpolated) = 0.308 W/kg



0 dB = 0.308 W/kg = -5.11 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - LTE band 2\_slider open**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 38.616$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - LTE band 2\_slider open/Touch Position -LTE band**


**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.7C/Area Scan**

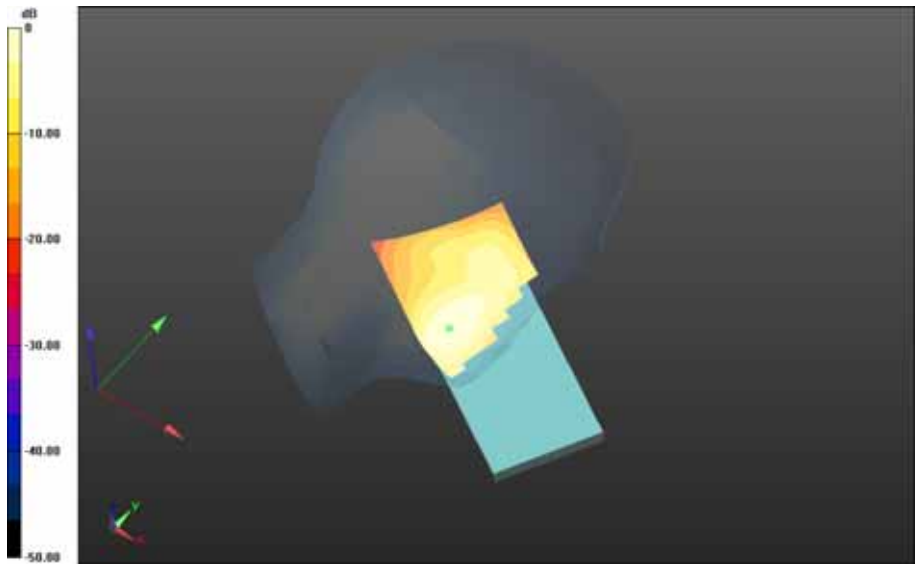
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.465 V/m; **Power Drift = -0.103 dB**


**Fast SAR: SAR(1g) = 0.508 W/kg; SAR(10g) = 0.291 W/kg**

Maximum value of SAR (interpolated) = 0.564 W/kg

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Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>	IC <b>2503A-RHK210LW</b>



0 dB = 0.564 W/kg = -2.49 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Left-Hand-Side HSL - LTE band 2\_slider open/Tilt Position - LTE band 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 14.424 V/m; **Power Drift = 0.056 dB**

**Fast SAR: SAR(1g) = 0.338 W/kg; SAR(10g) = 0.203 W/kg**  
Maximum value of SAR (interpolated) = 0.420 W/kg





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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 9/1/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - LTE Band 2\_slider closed**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.510$  S/m;  $\epsilon_r = 51.488$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**


- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

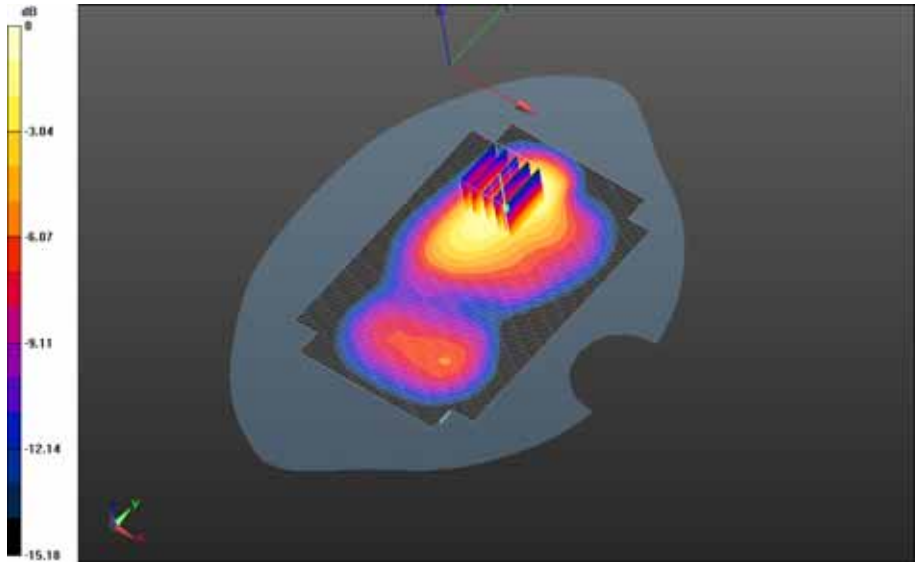
**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Back - LTE band 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.651 V/m; **Power Drift = -0.088 dB**

**Fast SAR: SAR(1g) = 0.521 W/kg; SAR(10g) = 0.303 W/kg**  
Maximum value of SAR (interpolated) = 0.583 W/kg


**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Back - LTE band 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 8.651 V/m; **Power Drift = -0.088 dB**

**Averaged SAR: SAR(1g) = 0.525 W/kg; SAR(10g) = 0.326 W/kg**  
Maximum value of SAR (interpolated) = 0.696 W/kg

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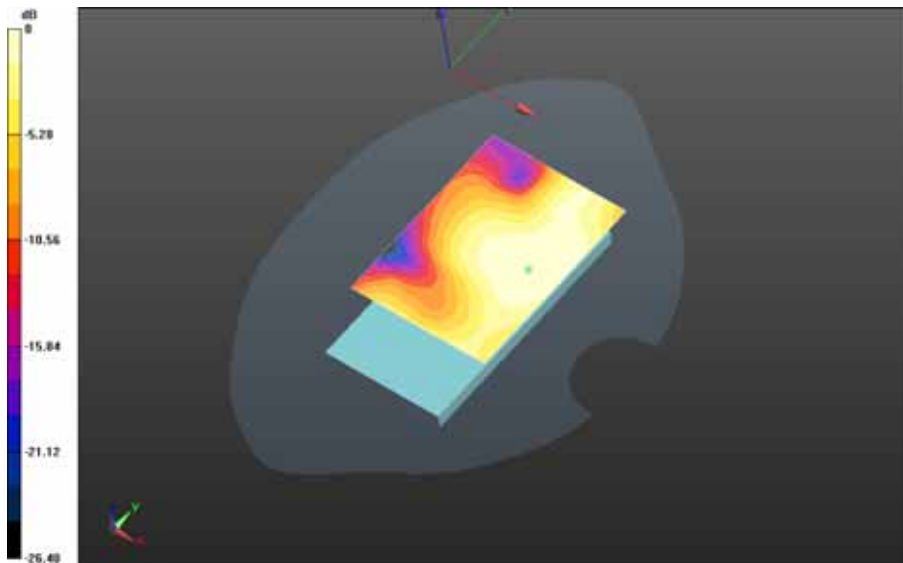


0 dB = 0.561 W/kg = -2.51 dBW/kg


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**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Front - LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan  
 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 6.895 V/m; Power Drift = 0.080 dB**

**Fast SAR: SAR(1g) = 0.165 W/kg; SAR(10g) = 0.103 W/kg  
 Maximum value of SAR (interpolated) = 0.177 W/kg**

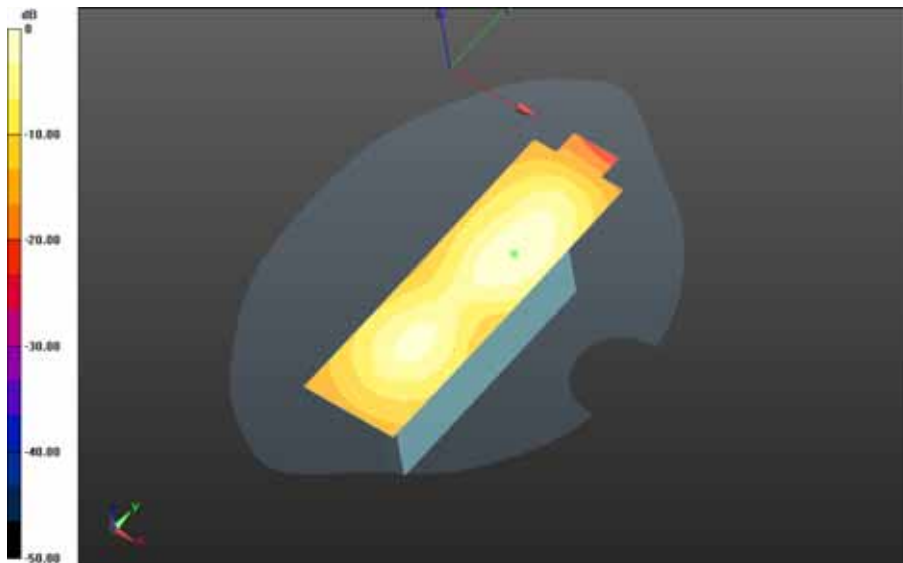


0 dB = 0.177 W/kg = -7.52 dBW/kg


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**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Left - LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 9.785 V/m; Power Drift = 0.028 dB**

**Fast SAR: SAR(1g) = 0.295 W/kg; SAR(10g) = 0.171 W/kg  
 Maximum value of SAR (interpolated) = 0.328 W/kg**

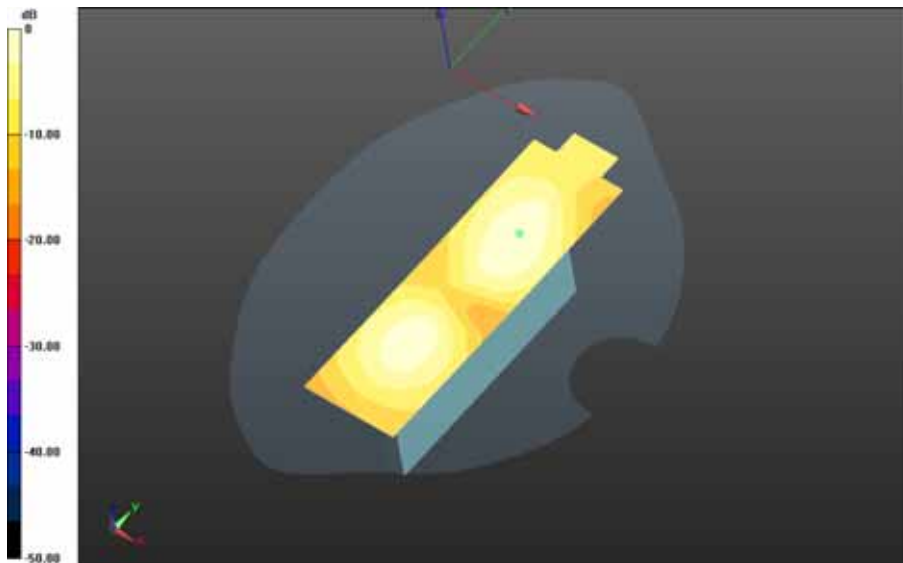


0 dB = 0.328 W/kg = -4.84 dBW/kg


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**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Right - LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 3.061 V/m; Power Drift = 0.248 dB**

**Fast SAR: SAR(1g) = 0.0711 W/kg; SAR(10g) = 0.0412 W/kg  
 Maximum value of SAR (interpolated) = 0.0790 W/kg**

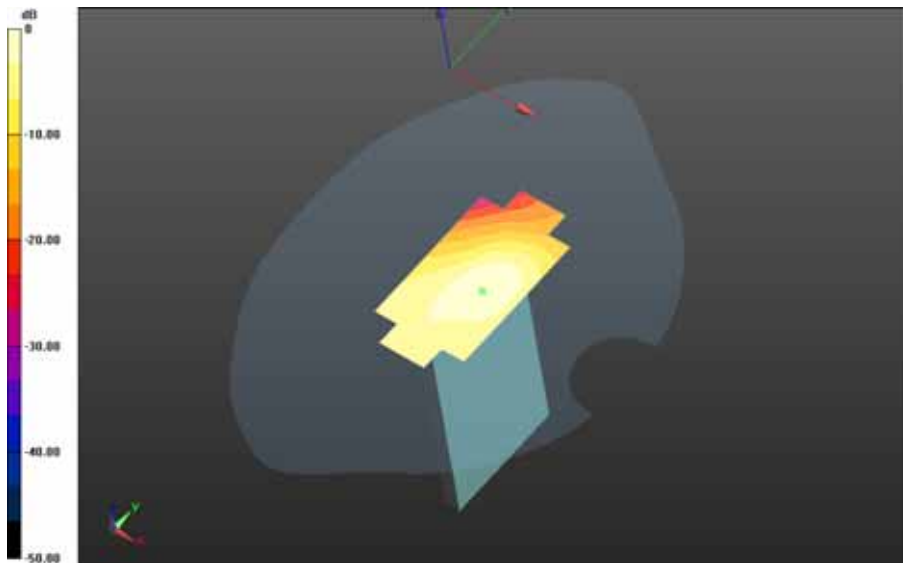


0 dB = 0.0790 W/kg = -11.02 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider closed/10mm Device Bottom - LTE band 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.6C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.960 V/m; **Power Drift = -0.077 dB**

**Fast SAR: SAR(1g) = 0.114 W/kg; SAR(10g) = 0.0655 W/kg**  
Maximum value of SAR (interpolated) = 0.129 W/kg



0 dB = 0.129 W/kg = -8.89 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 9/1/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - LTE Band 2\_slider open**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.510$  S/m;  $\epsilon_r = 51.488$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band**

**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Area Scan**

**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 11.798 V/m; **Power Drift = -0.084 dB**

**Fast SAR: SAR(1g) = 0.653 W/kg; SAR(10g) = 0.394 W/kg**

Maximum value of SAR (interpolated) = 0.710 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band**


**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Zoom Scan**

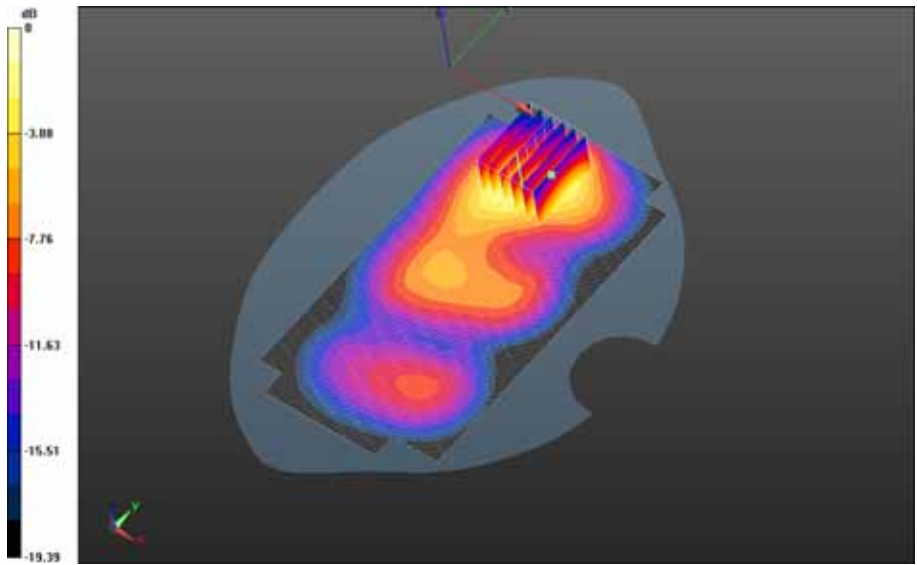
**(26x31x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 11.798 V/m; **Power Drift = -0.084 dB**

**Averaged SAR: SAR(1g) = 0.696 W/kg; SAR(10g) = 0.435 W/kg**


Maximum value of SAR (interpolated) = 1.06 W/kg

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0 dB = 0.772 W/kg = -1.12 dBW/kg



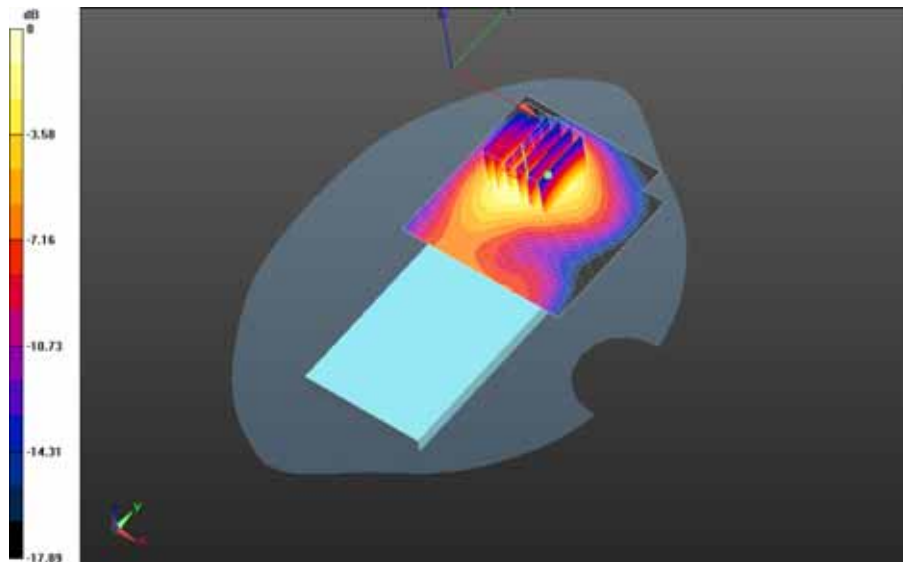
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan18900\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Area Scan  
(71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.653 V/m; **Power Drift = 0.068 dB**


**Fast SAR: SAR(1g) = 0.688 W/kg; SAR(10g) = 0.406 W/kg**  
Maximum value of SAR (interpolated) = 0.768 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan18900\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Zoom Scan  
(26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.653 V/m; **Power Drift = 0.068 dB**

**Averaged SAR: SAR(1g) = 0.669 W/kg; SAR(10g) = 0.418 W/kg**  
Maximum value of SAR (interpolated) = 1.00 W/kg



0 dB = 0.745 W/kg = -1.28 dBW/kg

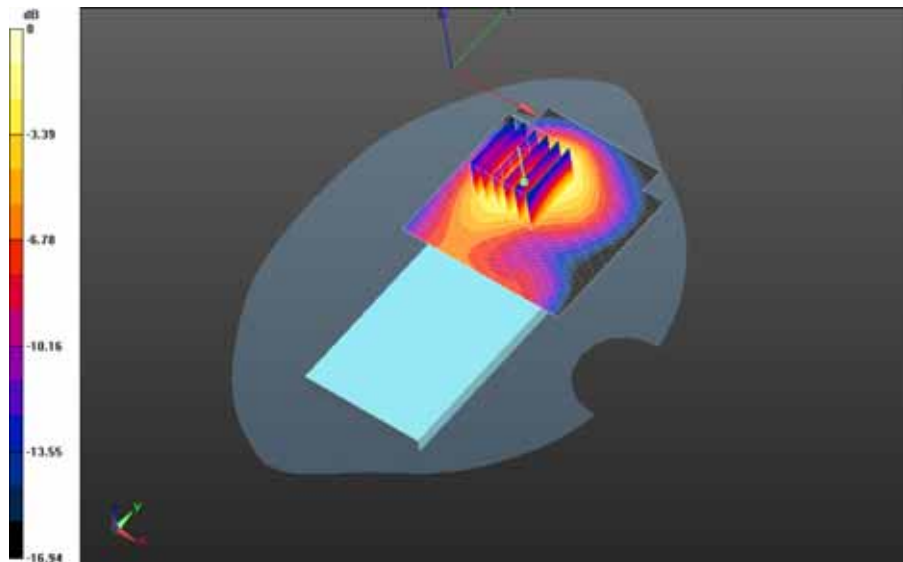
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan19100\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_24.2C\_liq\_temp\_23.0C/Area Scan  
(71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.096 V/m; **Power Drift = 0.045 dB**


**Fast SAR: SAR(1g) = 0.648 W/kg; SAR(10g) = 0.376 W/kg**  
Maximum value of SAR (interpolated) = 0.732 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan19100\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_24.2C\_liq\_temp\_23.0C/Zoom Scan  
(26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.096 V/m; **Power Drift = 0.045 dB**

**Averaged SAR: SAR(1g) = 0.633 W/kg; SAR(10g) = 0.390 W/kg**  
Maximum value of SAR (interpolated) = 0.867 W/kg



0 dB = 0.683 W/kg = -1.66 dBW/kg

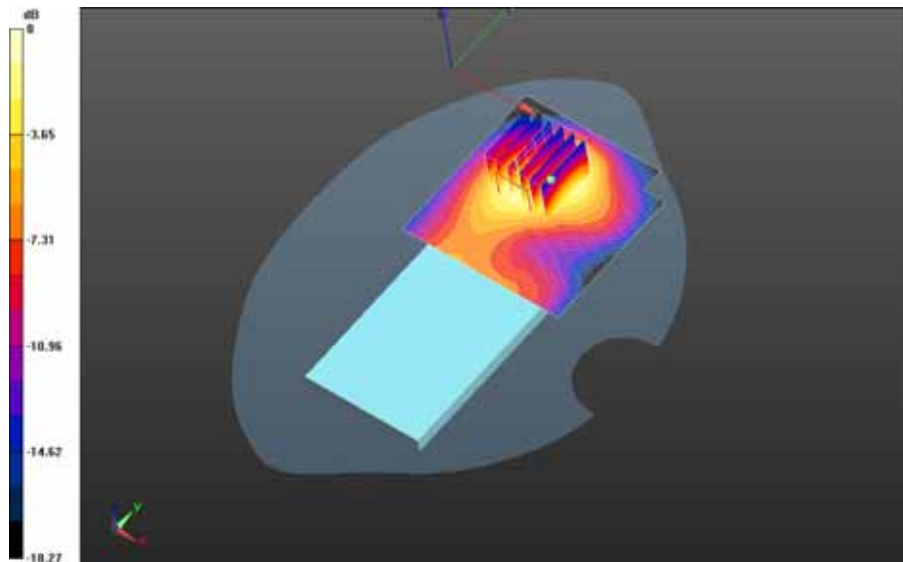
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan18700\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_24.2C\_liq\_temp\_23.0C/Area Scan  
(71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.166 V/m; **Power Drift = -0.048 dB**


**Fast SAR: SAR(1g) = 0.633 W/kg; SAR(10g) = 0.379 W/kg**  
Maximum value of SAR (interpolated) = 0.689 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band  
2\_chan18700\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_24.2C\_liq\_temp\_23.0C/Zoom Scan  
(26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.166 V/m; **Power Drift = -0.048 dB**

**Averaged SAR: SAR(1g) = 0.689 W/kg; SAR(10g) = 0.431 W/kg**  
Maximum value of SAR (interpolated) = 1.06 W/kg



0 dB = 0.740 W/kg = -1.31 dBW/kg

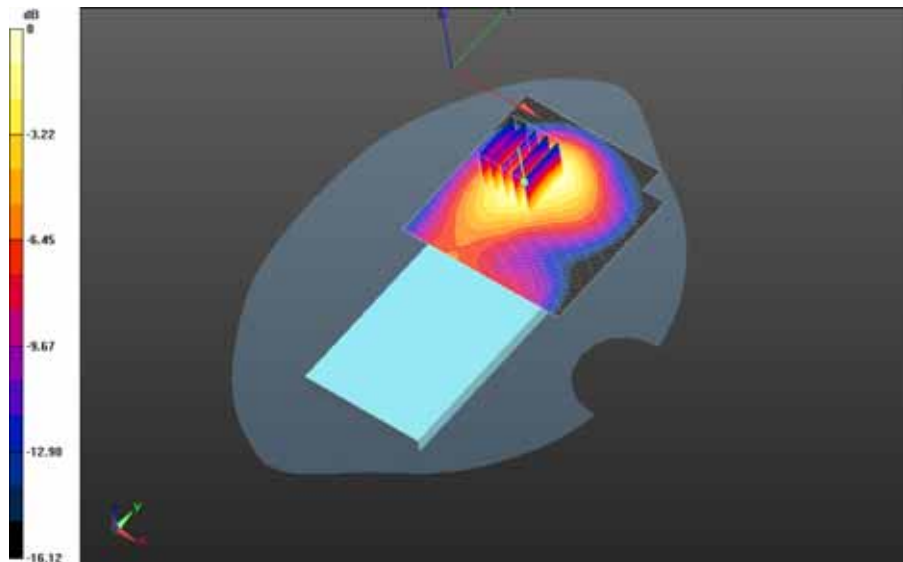
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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan18900\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_24.0C\_liq\_temp\_23.0C/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.926 V/m; **Power Drift = -0.018 dB**


**Fast SAR: SAR(1g) = 0.640 W/kg; SAR(10g) = 0.377 W/kg**  
Maximum value of SAR (interpolated) = 0.725 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan18900\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_24.0C\_liq\_temp\_23.0C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 10.926 V/m; **Power Drift = -0.018 dB**

**Averaged SAR: SAR(1g) = 0.637 W/kg; SAR(10g) = 0.394 W/kg**  
Maximum value of SAR (interpolated) = 0.916 W/kg



0 dB = 0.713 W/kg = -1.47 dBW/kg

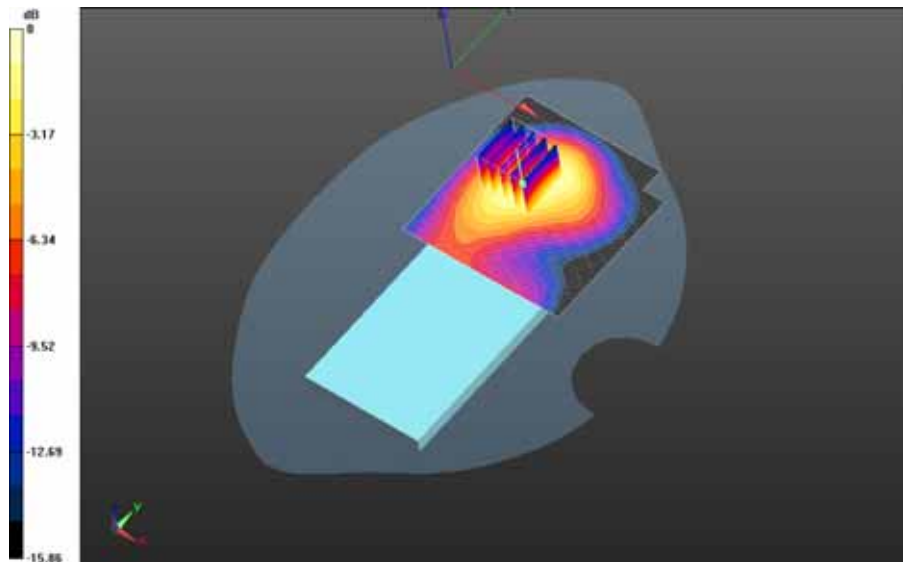
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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan19100\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_22.8C/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 10.059 V/m; **Power Drift = -0.106 dB**


**Fast SAR: SAR(1g) = 0.569 W/kg; SAR(10g) = 0.329 W/kg**  
 Maximum value of SAR (interpolated) = 0.647 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan19100\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_22.8C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
 Reference Value = 10.059 V/m; **Power Drift = -0.106 dB**

**Averaged SAR: SAR(1g) = 0.566 W/kg; SAR(10g) = 0.349 W/kg**  
 Maximum value of SAR (interpolated) = 0.765 W/kg



0 dB = 0.635 W/kg = -1.97 dBW/kg

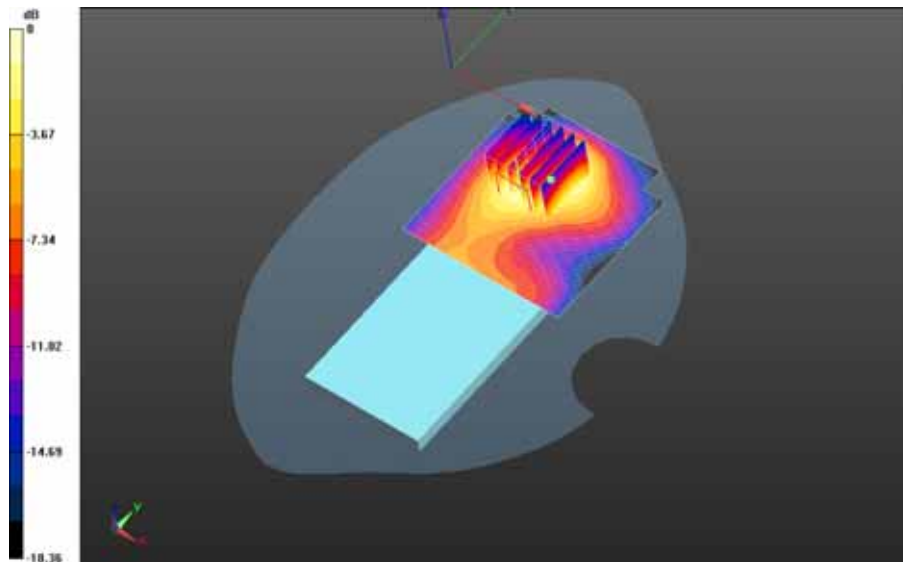
		Document <b>Appendix B for the BlackBerry® Smartphone Model RHK211LW</b> (STV100-1) SAR Report Part 2/3		Page <b>110(199)</b>
		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan18700\_20MHz\_BW\_RB100\_Offset\_Low\_amb\_temp\_23.7C\_liq\_temp\_22.8C/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.149 V/m; **Power Drift = 0.081 dB**


**Fast SAR: SAR(1g) = 0.648 W/kg; SAR(10g) = 0.388 W/kg**  
Maximum value of SAR (interpolated) = 0.701 W/kg

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Back - LTE band 2\_chan18700\_20MHz\_BW\_RB100\_Offset\_Low\_amb\_temp\_23.7C\_liq\_temp\_22.8C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.149 V/m; **Power Drift = 0.081 dB**

**Averaged SAR: SAR(1g) = 0.700 W/kg; SAR(10g) = 0.438 W/kg**  
Maximum value of SAR (interpolated) = 1.08 W/kg

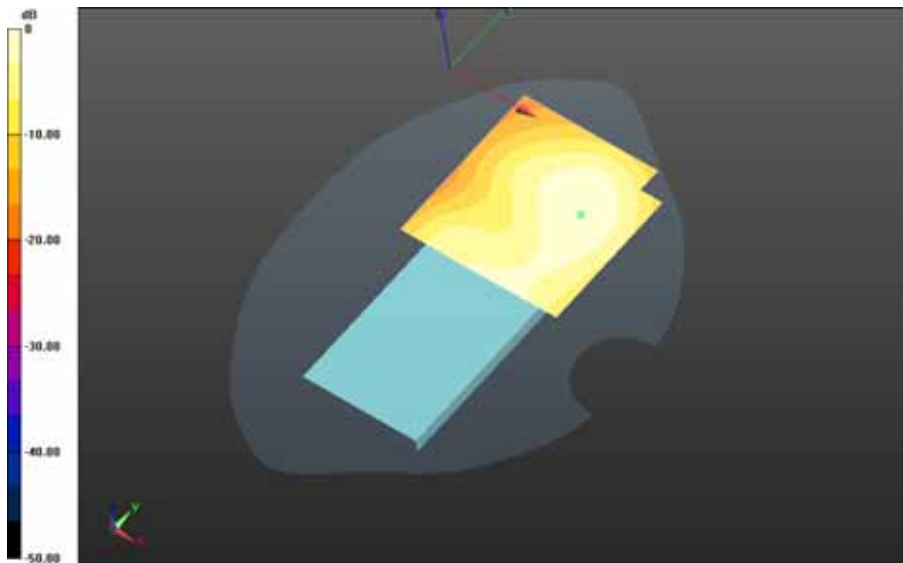


0 dB = 0.752 W/kg = -1.24 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Front - LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.7C\_liq\_temp\_22.7C/Area Scan  
 (71x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 12.474 V/m; Power Drift = -0.015 dB**

**Fast SAR: SAR(1g) = 0.369 W/kg; SAR(10g) = 0.219 W/kg  
 Maximum value of SAR (interpolated) = 0.406 W/kg**

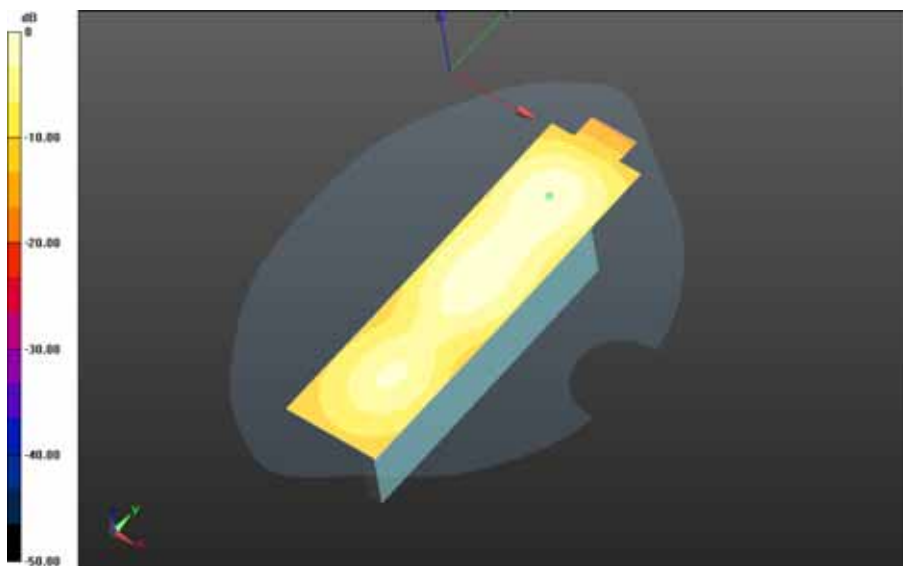


0 dB = 0.406 W/kg = -3.91 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	


**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Left - LTE band  
2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_22.6C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 14.191 V/m; Power Drift = -0.060 dB**

**Fast SAR: SAR(1g) = 0.254 W/kg; SAR(10g) = 0.148 W/kg  
Maximum value of SAR (interpolated) = 0.285 W/kg**



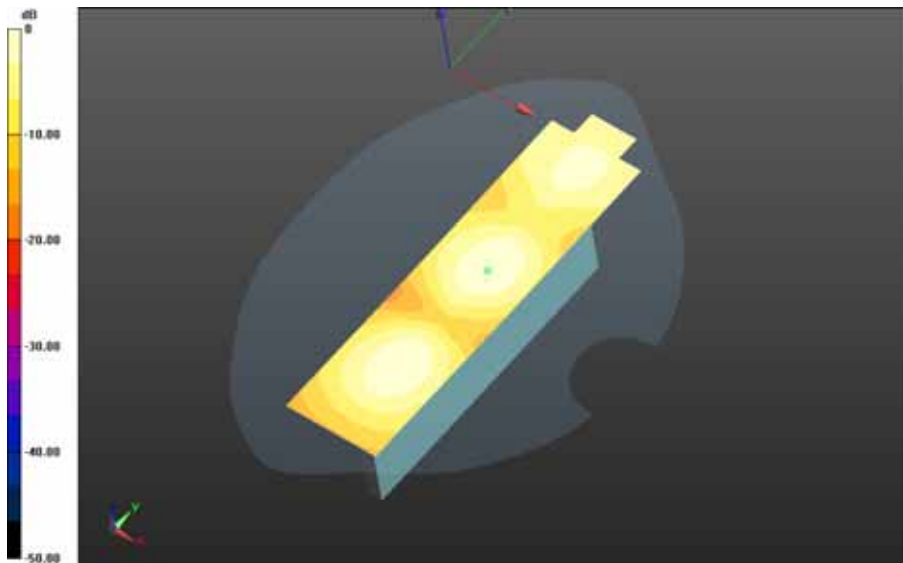
0 dB = 0.285 W/kg = -5.45 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Right - LTE band  
2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.7C/Area Scan  
(121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 7.000 V/m; Power Drift = -0.038 dB**

**Fast SAR: SAR(1g) = 0.0831 W/kg; SAR(10g) = 0.0472 W/kg  
Maximum value of SAR (interpolated) = 0.0968 W/kg**

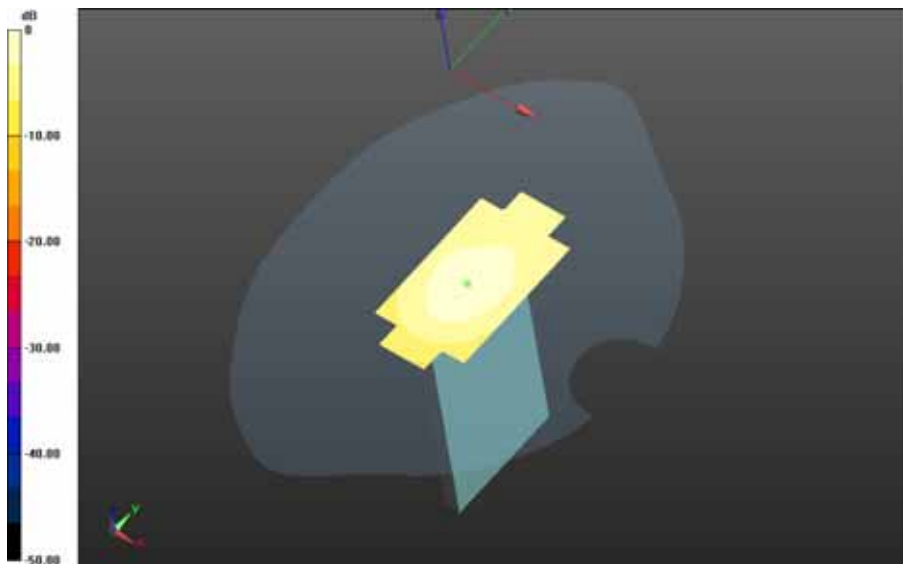


0 dB = 0.0968 W/kg = -10.14 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Mobile Hot Spot MSL - LTE Band 2\_slider open/10mm Device Bottom - LTE band  
 2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_22.8C/Area Scan  
 (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 10.588 V/m; **Power Drift = -0.016 dB****

**Fast SAR: SAR(1g) = 0.131 W/kg; SAR(10g) = 0.0770 W/kg**  
 Maximum value of SAR (interpolated) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/24/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Body Worn MSL - LTE band 2**

Communication System: LTE 2 (0); Communication System Band: LTE Band 2; Frequency: 1860 MHz

Medium Parameters used:  $f=1860$  MHz;  $\sigma = 1.506$  S/m;  $\epsilon_r = 51.698$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - LTE band 2/15mm Device Back - LTE band**


**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.7\_liq\_temp\_21.4C/Area Scan**

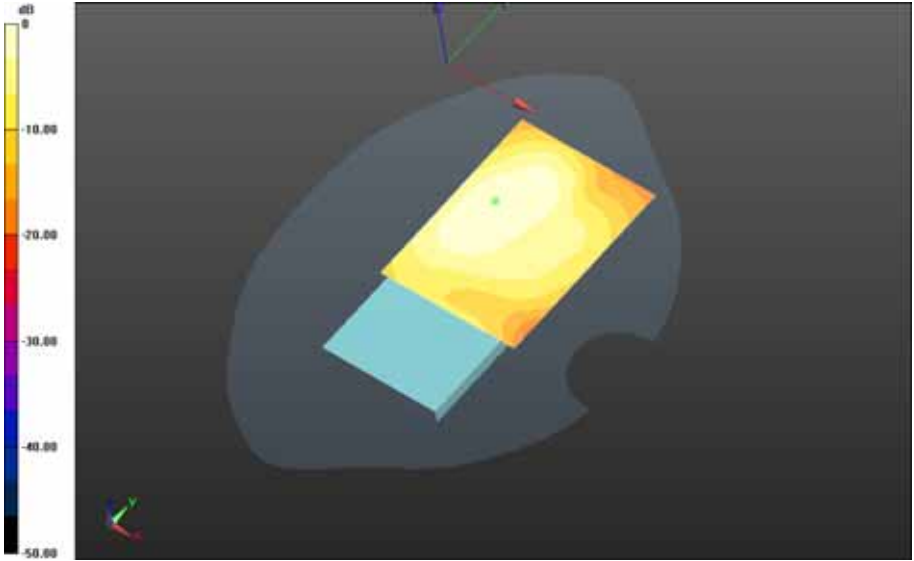
**(61x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 8.588 V/m; **Power Drift = -0.181 dB**


**Fast SAR: SAR(1g) = 0.510 W/kg; SAR(10g) = 0.304 W/kg**

Maximum value of SAR (interpolated) = 0.570 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

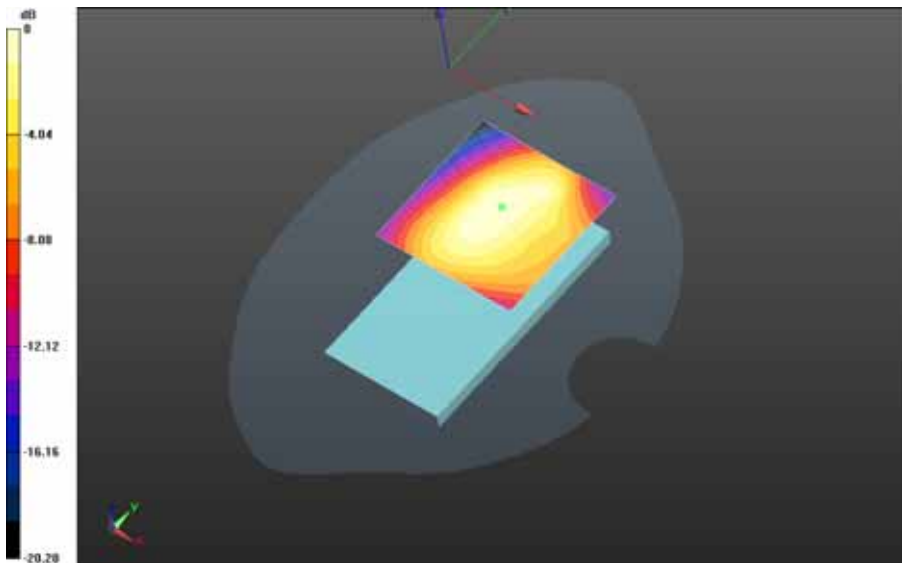


0 dB = 0.570 W/kg = -2.44 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Body Worn MSL - LTE band 2/15mm Device Back - LTE band  
2\_chan18900\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.6C\_liq\_temp\_21.4C/Area Scan  
(61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.557 V/m; Power Drift = -0.159 dB**

**Fast SAR: SAR(1g) = 0.513 W/kg; SAR(10g) = 0.309 W/kg  
Maximum value of SAR (interpolated) = 0.556 W/kg**



0 dB = 0.556 W/kg = -2.55 dBW/kg

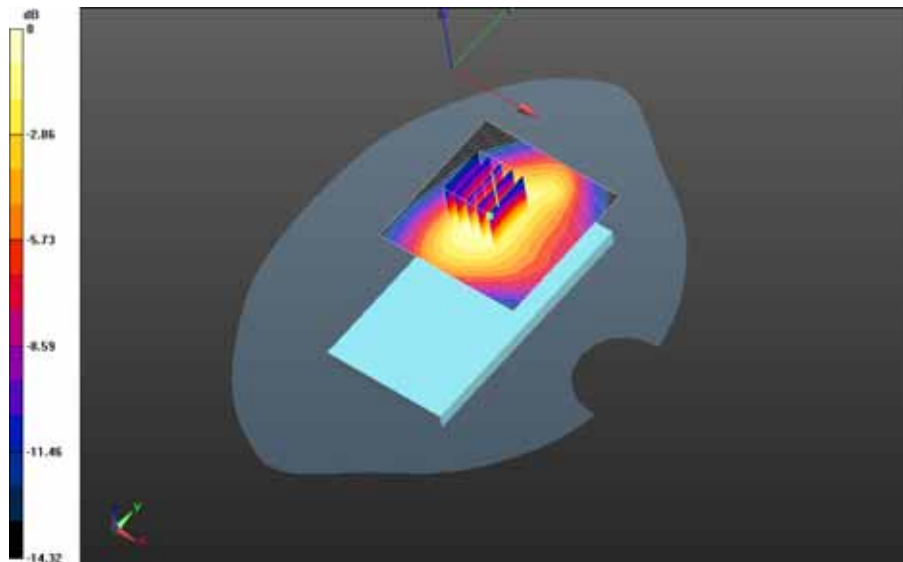
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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>118(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2\_chan19100\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.5C\_liq\_temp\_21.4C/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.968 V/m; **Power Drift = -0.00482 dB**


**Fast SAR: SAR(1g) = 0.573 W/kg; SAR(10g) = 0.343 W/kg**  
Maximum value of SAR (interpolated) = 0.623 W/kg

**Body Worn MSL - LTE band 2/15mm Device Back - LTE band 2\_chan19100\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.5C\_liq\_temp\_21.4C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 8.968 V/m; **Power Drift = -0.00482 dB**

**Averaged SAR: SAR(1g) = 0.586 W/kg; SAR(10g) = 0.379 W/kg**  
Maximum value of SAR (interpolated) = 0.784 W/kg

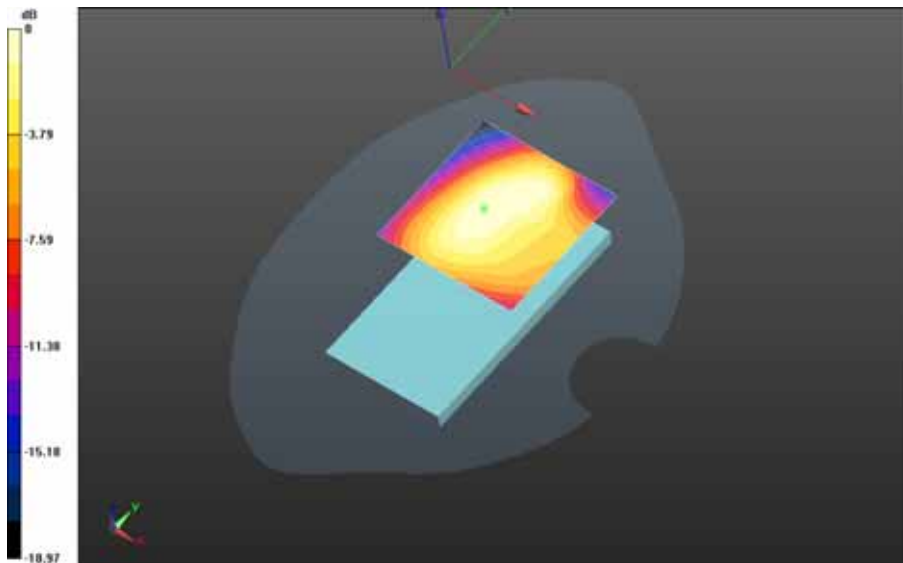


0 dB = 0.632 W/kg = -1.99 dBW/kg


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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Body Worn MSL - LTE band 2/15mm Device Back - LTE band  
 2\_chan18700\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.5C/Area Scan  
 (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Reference Value = 7.617 V/m; Power Drift = -0.174 dB**

**Fast SAR: SAR(1g) = 0.374 W/kg; SAR(10g) = 0.229 W/kg  
 Maximum value of SAR (interpolated) = 0.411 W/kg**

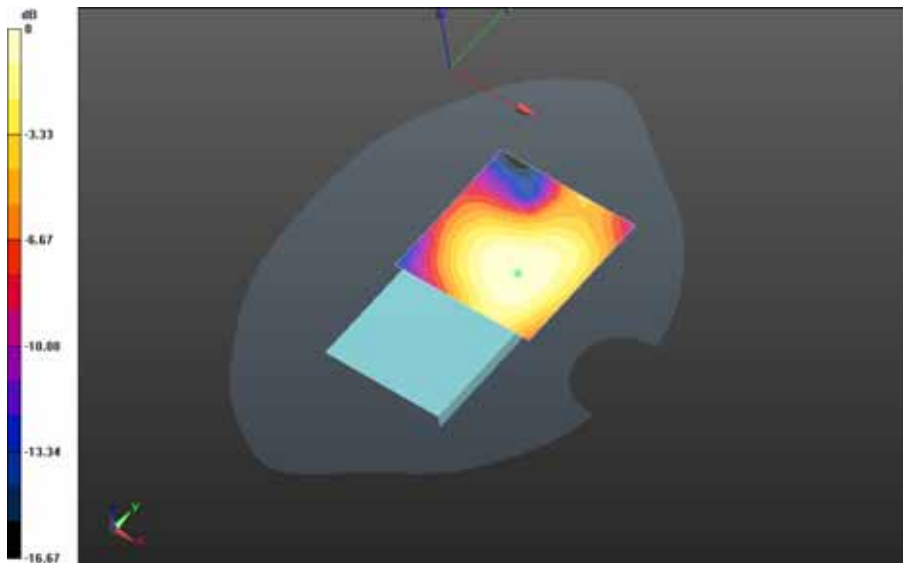


0 dB = 0.411 W/kg = -3.86 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>


**Body Worn MSL - LTE band 2/15mm Device Front - LTE band  
2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_24.2C\_liq\_temp\_21.7C/Area Scan  
(61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.231 V/m; **Power Drift = 0.016 dB**

**Fast SAR: SAR(1g) = 0.243 W/kg; SAR(10g) = 0.153 W/kg**  
Maximum value of SAR (interpolated) = 0.259 W/kg



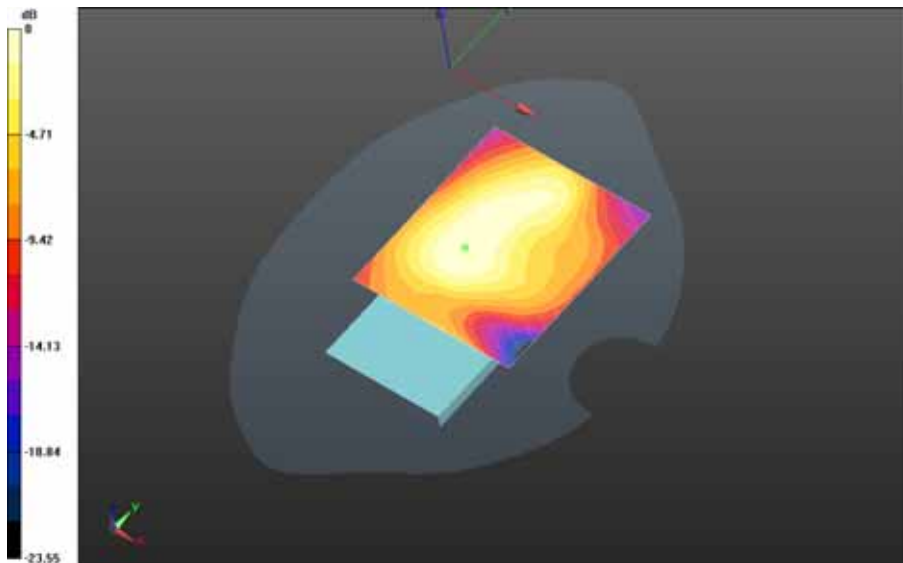
0 dB = 0.259 W/kg = -5.87 dBW/kg




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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Body Worn MSL - LTE band 2/Holster Device Back - LTE band  
2\_chan18700\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_24.2C\_liq\_temp\_21.7C/Area Scan  
(71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.707 V/m; **Power Drift = 0.116 dB**

**Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.154 W/kg**  
Maximum value of SAR (interpolated) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

# GSM 1900

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

## **Configuration: Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed**

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1880 MHz

Medium Parameters used:  $f=1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

### **DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### **Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed/Touch Position -DTM 1900\_2-**


**slots\_chan661\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:

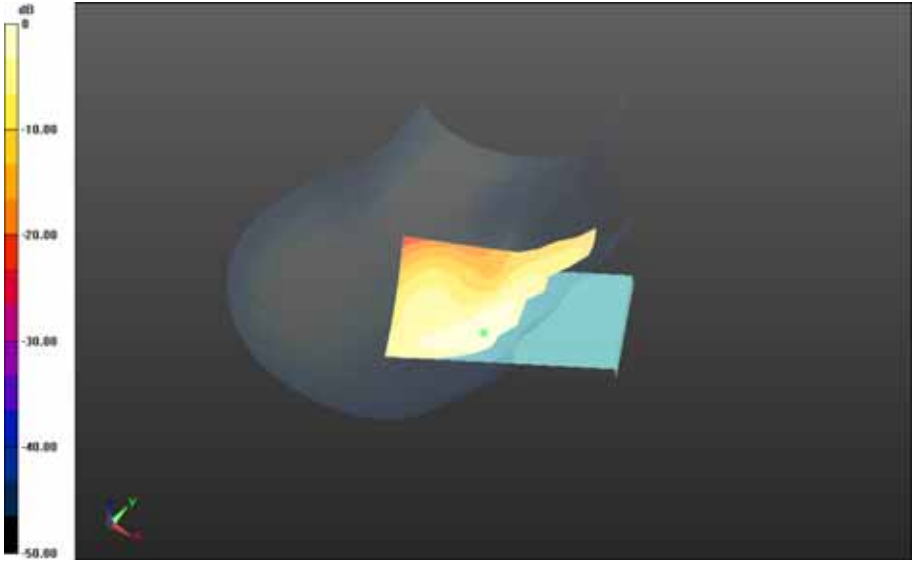
$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 7.869 V/m; **Power Drift = -0.060 dB**


**Fast SAR: SAR(1g) = 0.230 W/kg; SAR(10g) = 0.138 W/kg**

Maximum value of SAR (interpolated) = 0.266 W/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>



0 dB = 0.266 W/kg = -5.75 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed/Tilt Position -DTM 1900\_2-  
slots\_chan661\_amb\_temp\_23.6C\_liq\_temp\_21.4C/Area Scan (121x171x1): Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.874 V/m; Power Drift = 0.000404 dB**

**Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.143 W/kg  
Maximum value of SAR (interpolated) = 0.277 W/kg**



0 dB = 0.277 W/kg = -5.58 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed**

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1880 MHz

Medium Parameters used:  $f=1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)


**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed/Touch Position -DTM 1900\_2-slots\_chan661\_amb\_temp\_23.4C\_liq\_temp\_21.6C/Area Scan (121x171x1): Interpolated grid:**

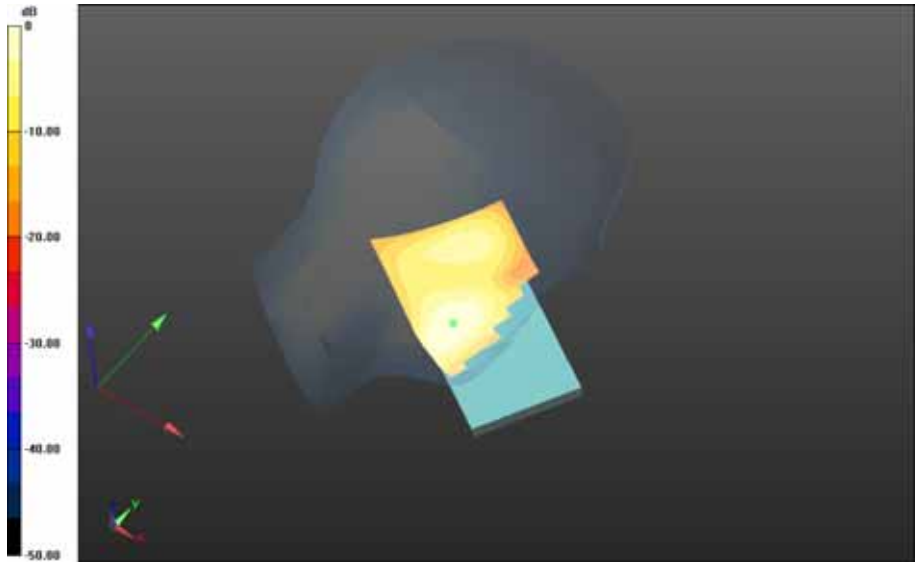
$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 10.158 V/m; **Power Drift = -0.194 dB**


**Fast SAR: SAR(1g) = 0.410 W/kg; SAR(10g) = 0.232 W/kg**

Maximum value of SAR (interpolated) = 0.457 W/kg

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Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>	IC <b>2503A-RHK210LW</b>

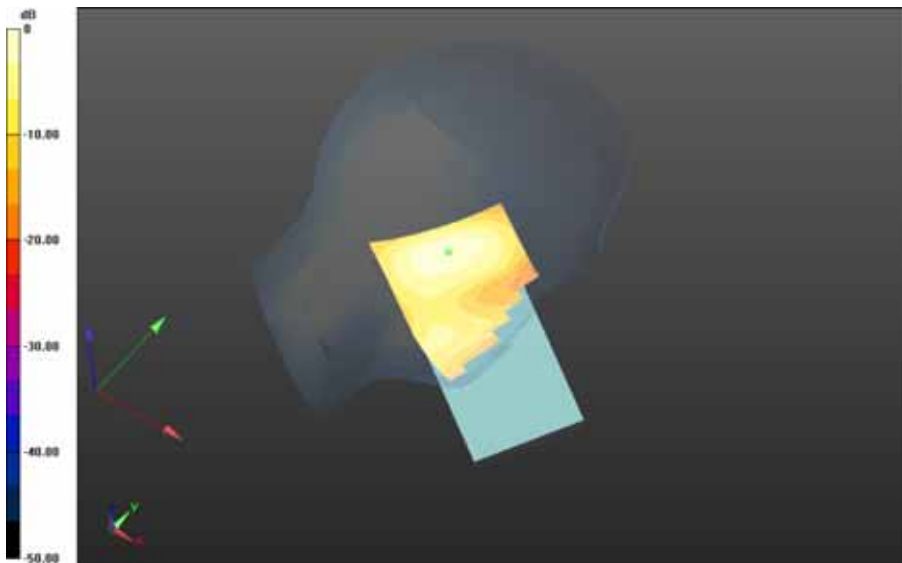


0 dB = 0.457 W/kg = -3.40 dBW/kg


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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Closed/Tilt Position - DTM 1900\_2-slots\_chan661\_amb\_temp\_23.6C\_liq\_temp\_21.5C/Area Scan (121x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm**  
**Reference Value = 14.352 V/m; Power Drift = -0.110 dB**

**Fast SAR: SAR(1g) = 0.295 W/kg; SAR(10g) = 0.159 W/kg**  
**Maximum value of SAR (interpolated) = 0.348 W/kg**



0 dB = 0.348 W/kg = -4.58 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Open**

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1880 MHz

Medium Parameters used:  $f=1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Touch Position -DTM 1900\_2-**

**slots\_chan661\_amb\_temp\_23.7C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:


$dx=1.500$  mm,  $dy=1.500$  mm

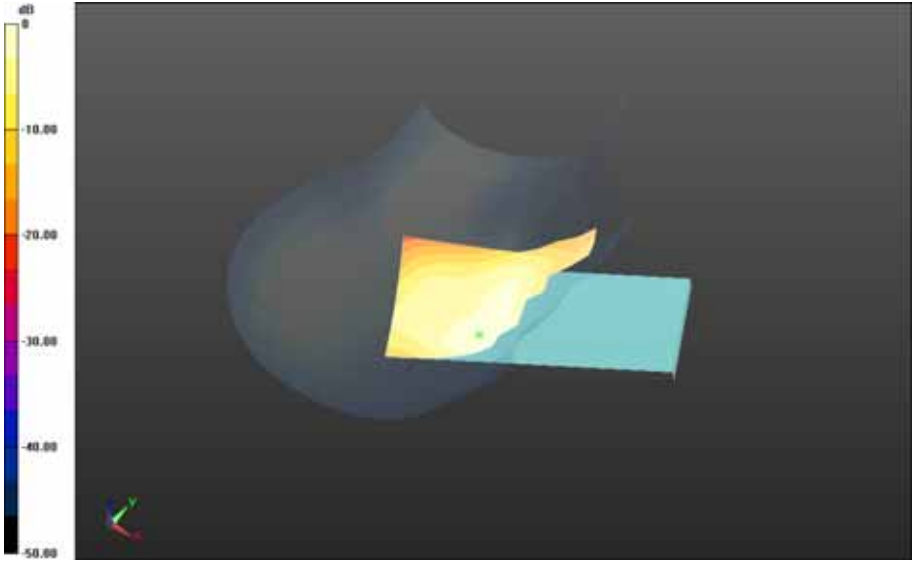
Reference Value = 7.706 V/m; **Power Drift = -0.048 dB**

**Fast SAR: SAR(1g) = 0.239 W/kg; SAR(10g) = 0.142 W/kg**


Maximum value of SAR (interpolated) = 0.267 W/kg



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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>



0 dB = 0.267 W/kg = -5.73 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Right-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Tilt Position -DTM 1900\_2-slots\_chan661\_amb\_temp\_23.6C\_liq\_temp\_21.4C/Area Scan (121x171x1): Interpolated grid:**  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 14.013 V/m; **Power Drift = 0.00858 dB**

**Fast SAR: SAR(1g) = 0.248 W/kg; SAR(10g) = 0.147 W/kg**  
Maximum value of SAR (interpolated) = 0.275 W/kg



0 dB = 0.275 W/kg = -5.61 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open**

Communication System: DTM 1900 (2slots) (0); Communication System Band: DTM 1900;

Frequency: 1850.2 MHz

Medium Parameters used:  $f=1850.2$  MHz;  $\sigma = 1.340$  S/m;  $\epsilon_r = 38.651$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Touch Position -DTM 1900\_2-slots\_chan512\_amb\_temp\_23.5C\_liq\_temp\_21.4C/Area Scan (61x81x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 6.261 V/m; **Power Drift = 0.087 dB**

**Fast SAR: SAR(1g) = 0.474 W/kg; SAR(10g) = 0.279 W/kg**

Maximum value of SAR (interpolated) = 0.515 W/kg


**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Touch Position -DTM 1900\_2-slots\_chan512\_amb\_temp\_23.5C\_liq\_temp\_21.4C/Zoom Scan (21x21x36)/Cube 0:**

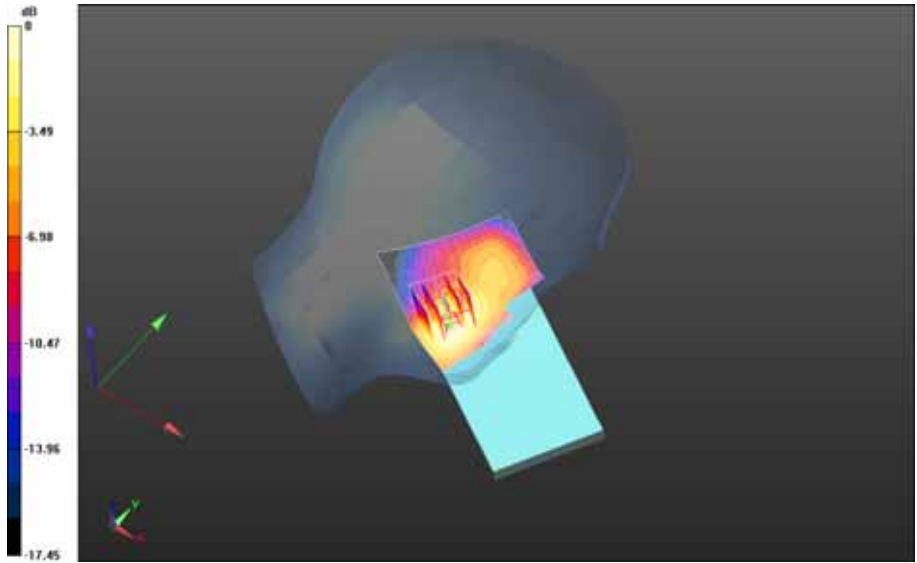
Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 6.261 V/m; **Power Drift = 0.087 dB**


**Averaged SAR: SAR(1g) = 0.483 W/kg; SAR(10g) = 0.306 W/kg**

Maximum value of SAR (interpolated) = 0.665 W/kg

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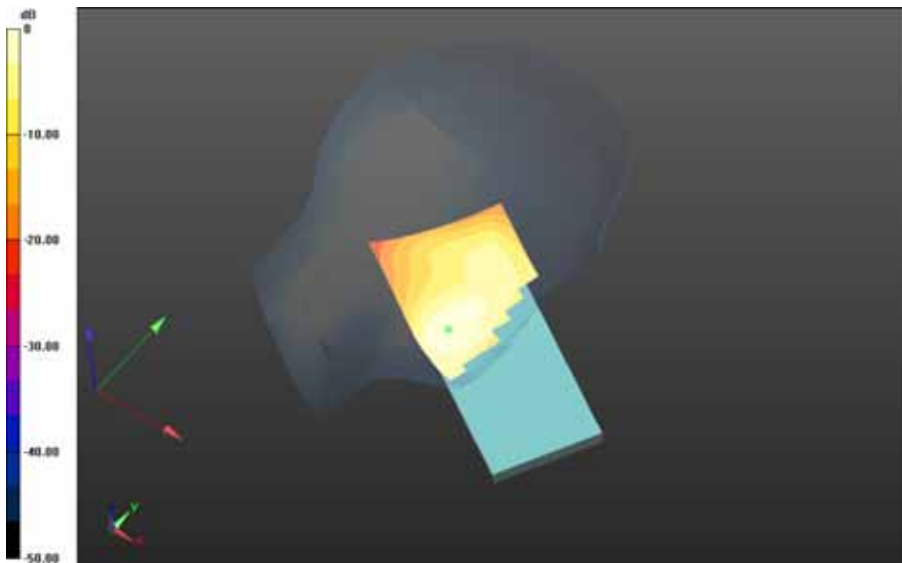



0 dB = 0.518 W/kg = -2.86 dBW/kg

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**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Touch Position -DTM 1900\_2-**  
**slots\_chan661\_amb\_temp\_23.6C\_liq\_temp\_21.5C/Area Scan (121x171x1): Interpolated grid:**  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.896 V/m; **Power Drift = -0.017 dB**

**Fast SAR: SAR(1g) = 0.423 W/kg; SAR(10g) = 0.245 W/kg**  
Maximum value of SAR (interpolated) = 0.473 W/kg




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**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Touch Position -DTM 1900\_2-  
 slots\_chan810\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan (61x81x1): Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 5.833 V/m; Power Drift = -0.147 dB**

**Fast SAR: SAR(1g) = 0.393 W/kg; SAR(10g) = 0.229 W/kg  
 Maximum value of SAR (interpolated) = 0.437 W/kg**



0 dB = 0.437 W/kg = -3.60 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Left-Hand-Side HSL - GSM\_DTM 1900 - Slider Open/Tilt Position - DTM 1900\_2-  
slot\_chan661\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan (121x171x1): Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.549 V/m; Power Drift = -0.151 dB**

**Fast SAR: SAR(1g) = 0.322 W/kg; SAR(10g) = 0.186 W/kg  
Maximum value of SAR (interpolated) = 0.365 W/kg**



0 dB = 0.365 W/kg = -4.38 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 9/2/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - GPRS 1900 Slider Closed**

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900;

Frequency: 1850.2 MHz

Medium Parameters used:  $f=1850.2$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 51.520$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Area Scan (61x61x1): Interpolated grid:**

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 7.123 V/m; **Power Drift = 0.00482 dB**

**Fast SAR: SAR(1g) = 0.726 W/kg; SAR(10g) = 0.423 W/kg**

Maximum value of SAR (interpolated) = 0.801 W/kg

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Zoom Scan (21x21x36)/Cube 0: Interpolated**


grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

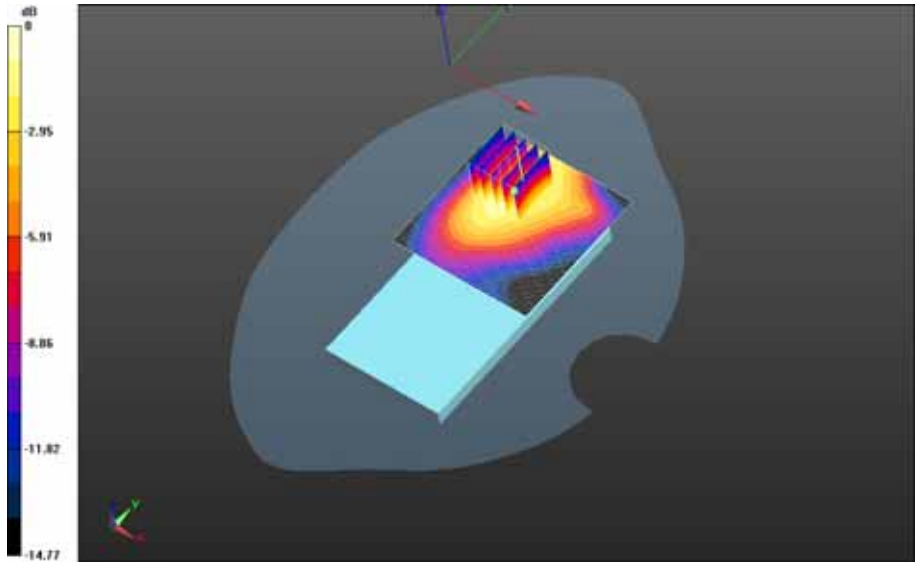
Reference Value = 7.123 V/m; **Power Drift = 0.00482 dB**

**Averaged SAR: SAR(1g) = 0.752 W/kg; SAR(10g) = 0.474 W/kg**


Maximum value of SAR (interpolated) = 0.998 W/kg



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0 dB = 0.827 W/kg = -0.82 dBW/kg

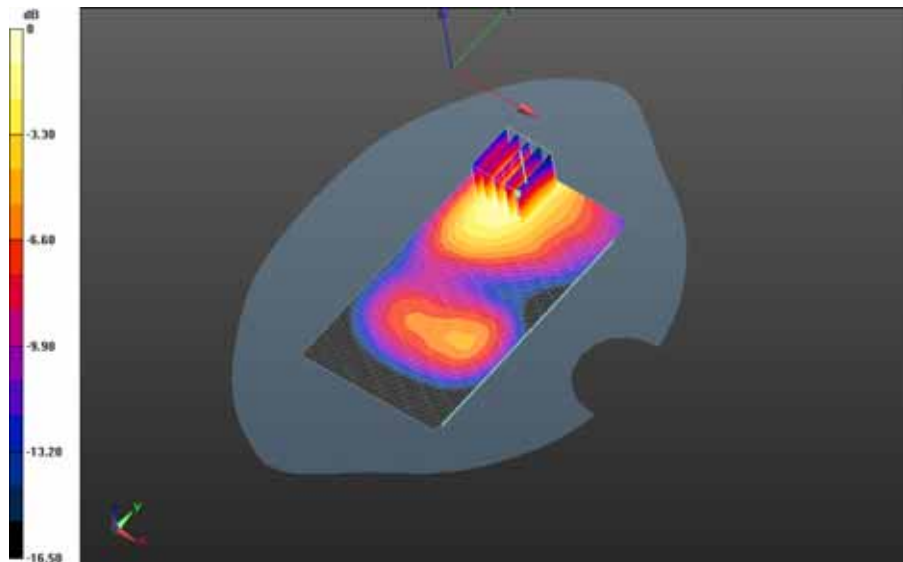
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Back - GPRS1900\_2-slot\_chan661\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.906 V/m; **Power Drift = -0.030 dB**


**Fast SAR: SAR(1g) = 0.756 W/kg; SAR(10g) = 0.437 W/kg**  
Maximum value of SAR (interpolated) = 0.838 W/kg

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Back - GPRS1900\_2-slot\_chan661\_amb\_temp\_24.3C\_liq\_temp\_23.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 6.906 V/m; **Power Drift = -0.030 dB**

**Averaged SAR: SAR(1g) = 0.771 W/kg; SAR(10g) = 0.479 W/kg**  
Maximum value of SAR (interpolated) = 1.03 W/kg

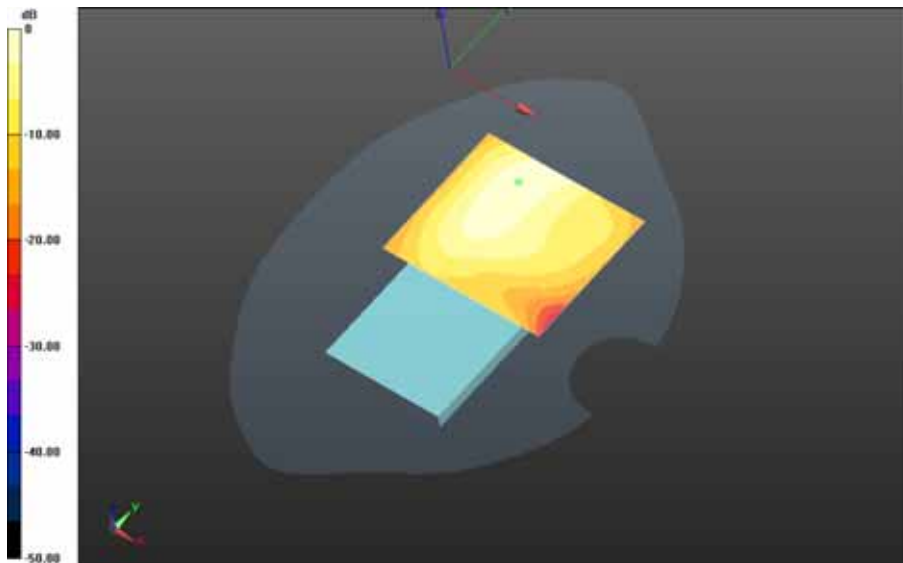


0 dB = 0.838 W/kg = -0.77 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Back - GPRS1900\_2-slot\_chan810\_amb\_temp\_24.3C\_liq\_temp\_23.0C/Area Scan (71x71x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.831 V/m; **Power Drift = 0.0015 dB**

**Fast SAR: SAR(1g) = 0.584 W/kg; SAR(10g) = 0.323 W/kg**  
Maximum value of SAR (interpolated) = 0.677 W/kg

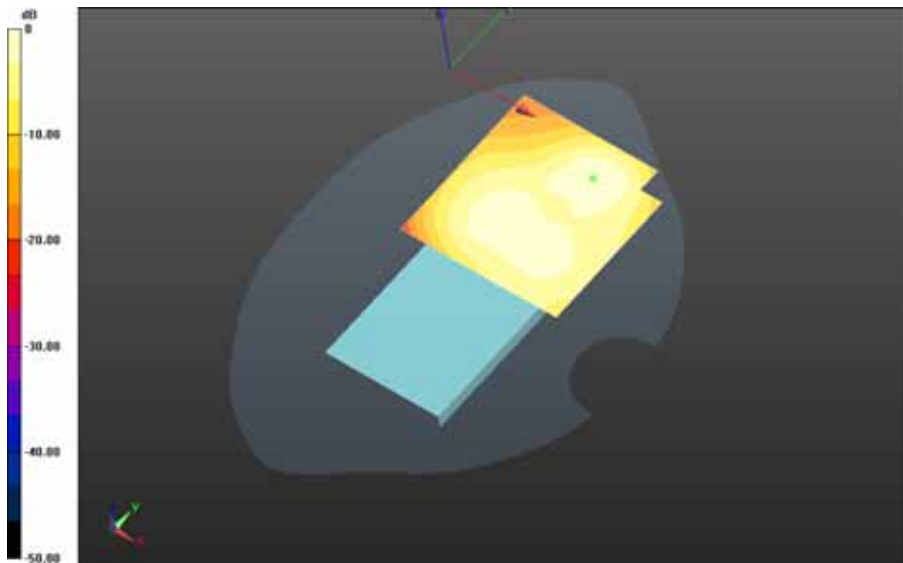


0 dB = 0.677 W/kg = -1.69 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Front- GPRS1900\_2-  
 slot\_chan661\_amb\_temp\_24.3C\_liq\_temp\_23.0C/Area Scan (71x71x1): Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 5.339 V/m; Power Drift = 0.035 dB**

**Fast SAR: SAR(1g) = 0.226 W/kg; SAR(10g) = 0.129 W/kg  
 Maximum value of SAR (interpolated) = 0.258 W/kg**

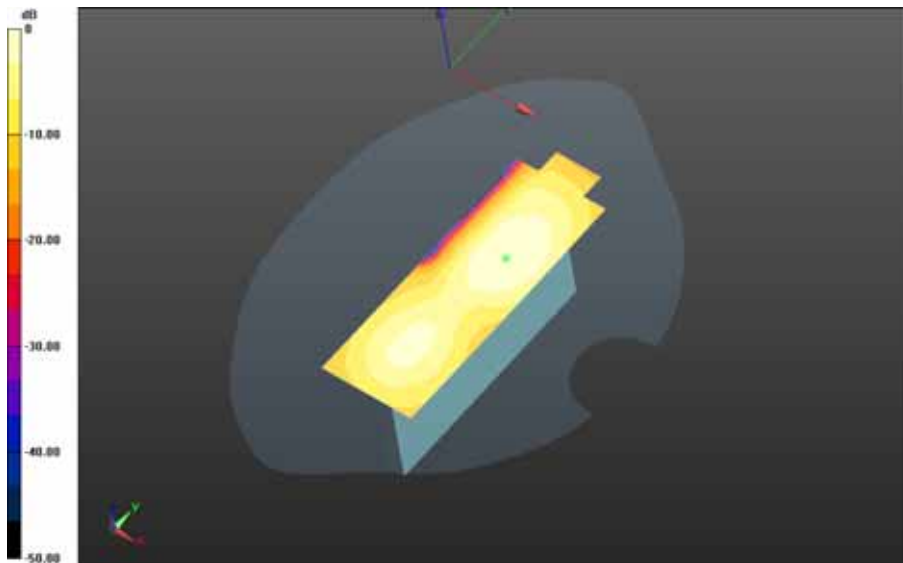


0 dB = 0.258 W/kg = -5.88 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Left - GPRS1900\_2-  
slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.4C/Area Scan (121x171x1): Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.242 V/m; Power Drift = 0.274 dB**

**Fast SAR: SAR(1g) = 0.373 W/kg; SAR(10g) = 0.224 W/kg  
Maximum value of SAR (interpolated) = 0.431 W/kg**

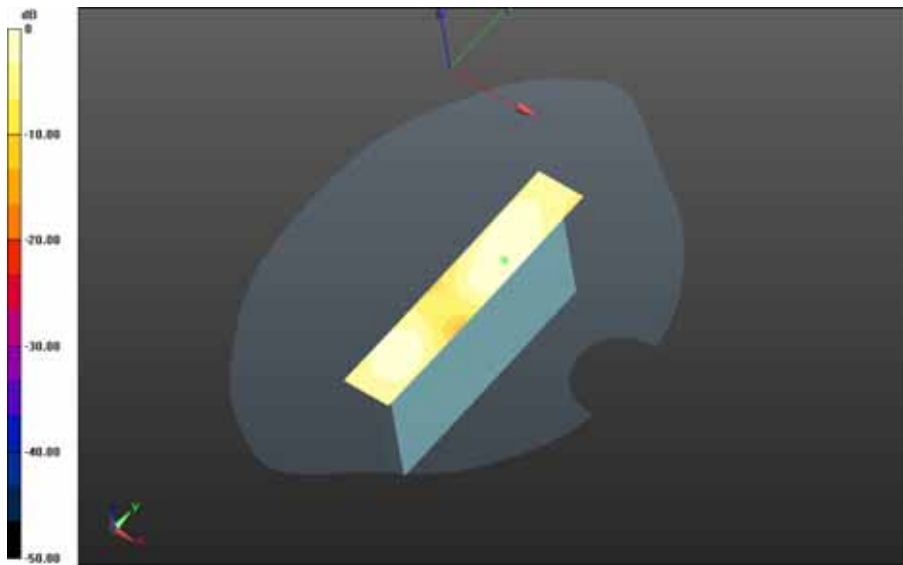


0 dB = 0.431 W/kg = -3.66 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Right - GPRS1900\_2-  
slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (121x171x1): Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.188 V/m; Power Drift = -0.00893 dB**

**Fast SAR: SAR(1g) = 0.0679 W/kg; SAR(10g) = 0.0405 W/kg  
Maximum value of SAR (interpolated) = 0.0803 W/kg**



0 dB = 0.0803 W/kg = -10.95 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Closed/10mm Device Bottom - GPRS1900\_2-  
 slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (121x171x1): Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 10.312 V/m; Power Drift = -0.077 dB**

**Fast SAR: SAR(1g) = 0.157 W/kg; SAR(10g) = 0.0802 W/kg  
 Maximum value of SAR (interpolated) = 0.186 W/kg**



0 dB = 0.186 W/kg = -7.30 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 9/2/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - GPRS 1900 Slider Open**

Communication System: GPRS 1900 (2-slots) (0); Communication System Band: GPRS 1900;

Frequency: 1850.2 MHz

Medium Parameters used:  $f=1850.2$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 51.520$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (61x71x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 12.819 V/m; **Power Drift = -0.062 dB**

**Fast SAR: SAR(1g) = 0.817 W/kg; SAR(10g) = 0.482 W/kg**

Maximum value of SAR (interpolated) = 0.912 W/kg

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated


grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

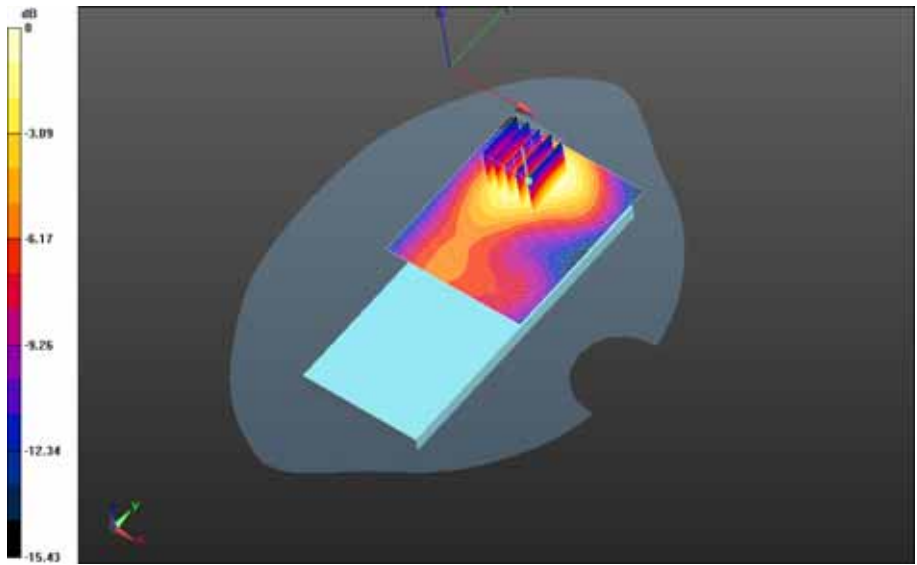
Reference Value = 12.819 V/m; **Power Drift = -0.062 dB**

**Averaged SAR: SAR(1g) = 0.804 W/kg; SAR(10g) = 0.502 W/kg**


Maximum value of SAR (interpolated) = 1.15 W/kg



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0 dB = 0.899 W/kg = -0.46 dBW/kg

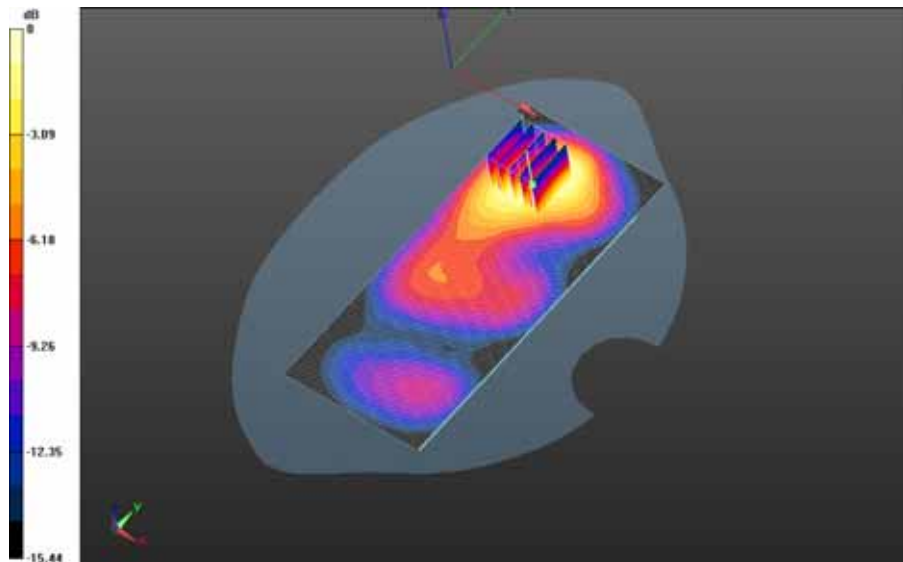
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.894 V/m; **Power Drift = 0.014 dB**


**Fast SAR: SAR(1g) = 0.774 W/kg; SAR(10g) = 0.457 W/kg**  
Maximum value of SAR (interpolated) = 0.841 W/kg

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.894 V/m; **Power Drift = 0.014 dB**

**Averaged SAR: SAR(1g) = 0.789 W/kg; SAR(10g) = 0.487 W/kg**  
Maximum value of SAR (interpolated) = 1.07 W/kg



0 dB = 0.862 W/kg = -0.64 dBW/kg

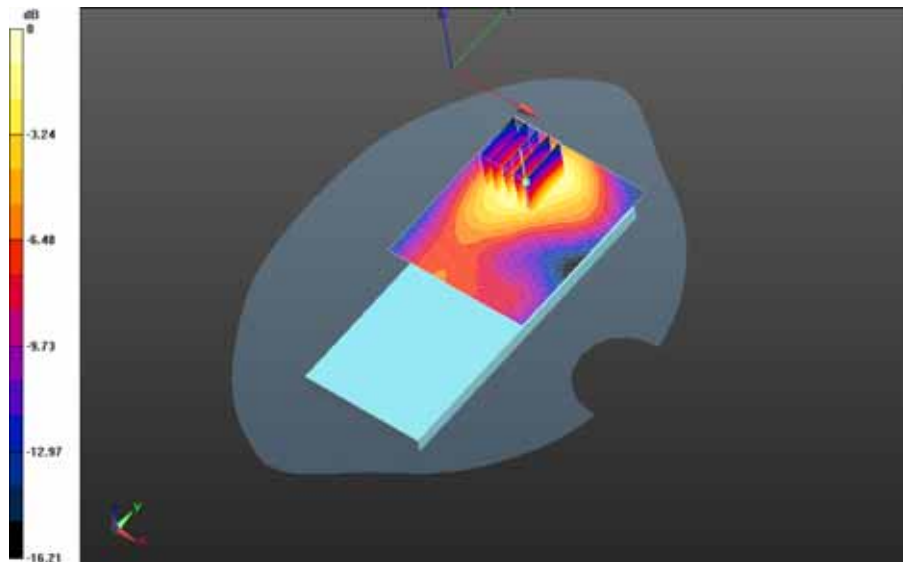
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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan810\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (61x71x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.115 V/m; **Power Drift = 0.036 dB**


**Fast SAR: SAR(1g) = 0.733 W/kg; SAR(10g) = 0.419 W/kg**  
Maximum value of SAR (interpolated) = 0.828 W/kg

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Back - GPRS1900\_2-slot\_chan810\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 11.115 V/m; **Power Drift = 0.036 dB**

**Averaged SAR: SAR(1g) = 0.730 W/kg; SAR(10g) = 0.446 W/kg**  
Maximum value of SAR (interpolated) = 0.999 W/kg

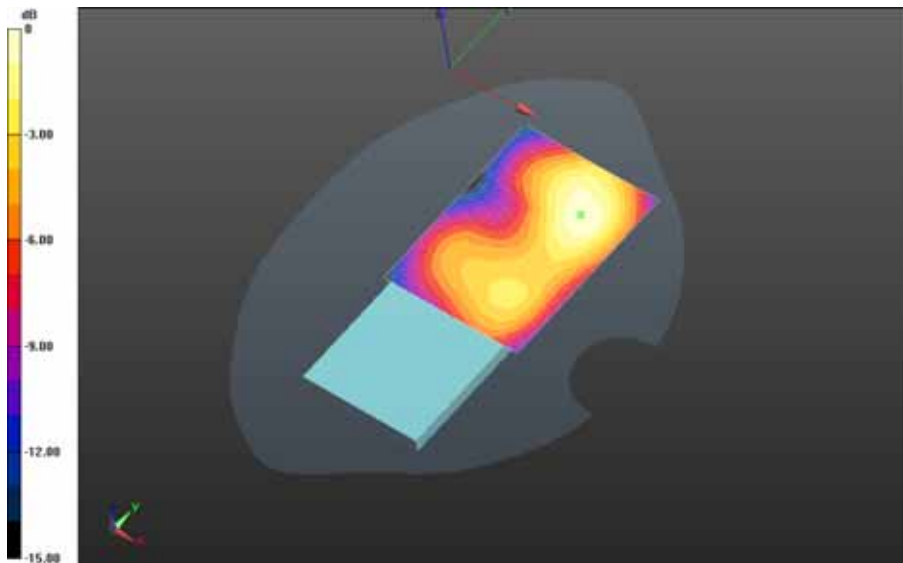


0 dB = 0.822 W/kg = -0.85 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Front- GPRS1900\_2-  
slot\_chan661\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Area Scan (61x81x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.747 V/m; **Power Drift = -0.025 dB**

**Fast SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.271 W/kg**  
Maximum value of SAR (interpolated) = 0.500 W/kg

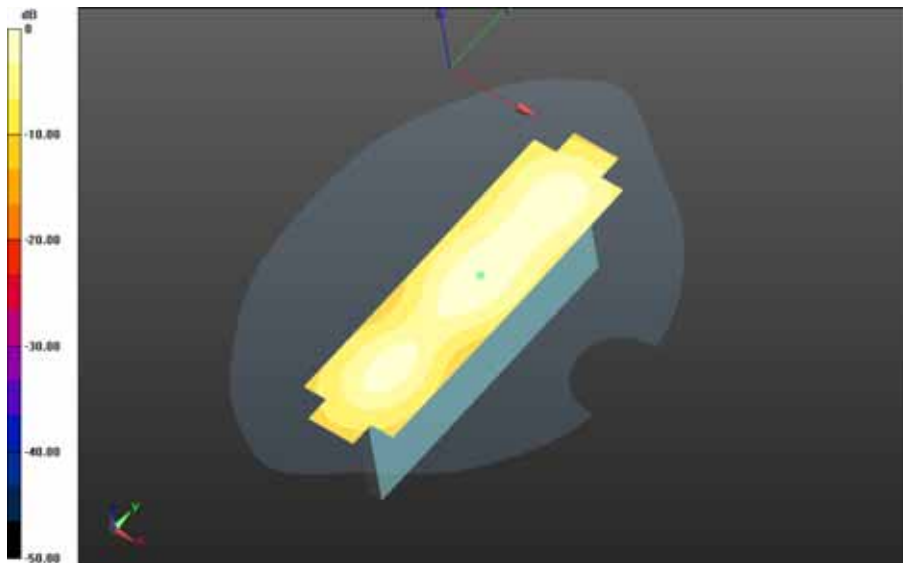


0 dB = 0.500 W/kg = -3.01 dBW/kg


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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Left - GPRS1900\_2-  
slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.4C/Area Scan (121x171x1): Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 15.972 V/m; Power Drift = -0.147 dB**

**Fast SAR: SAR(1g) = 0.309 W/kg; SAR(10g) = 0.177 W/kg  
Maximum value of SAR (interpolated) = 0.343 W/kg**

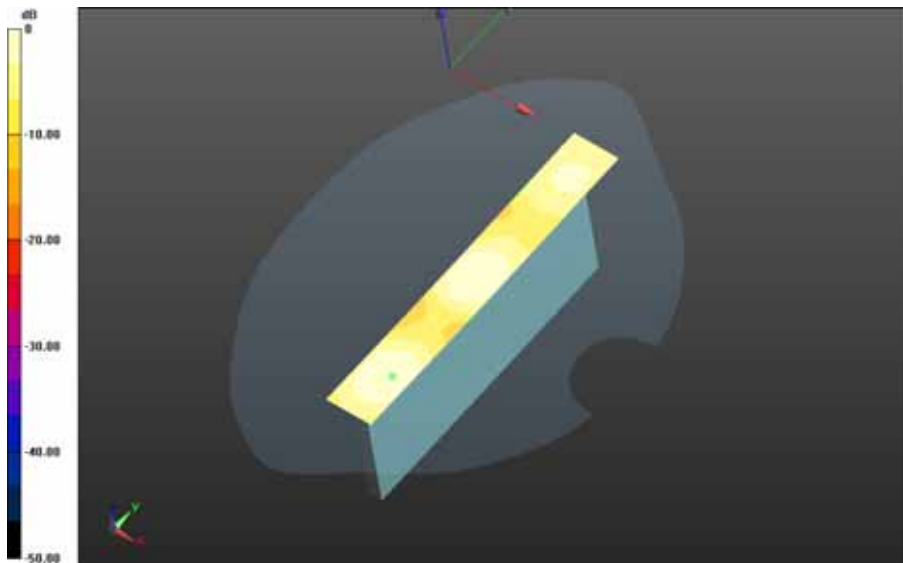


0 dB = 0.343 W/kg = -4.65 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Right - GPRS1900\_2-  
slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.959 V/m; **Power Drift = 0.040 dB**

**Fast SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0607 W/kg**  
Maximum value of SAR (interpolated) = 0.128 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg


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**Mobile Hot Spot MSL - GPRS 1900 Slider Open/10mm Device Bottom - GPRS1900\_2-slot\_chan661\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 11.148 V/m; **Power Drift = -0.049 dB**

**Fast SAR: SAR(1g) = 0.149 W/kg; SAR(10g) = 0.0865 W/kg**  
Maximum value of SAR (interpolated) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

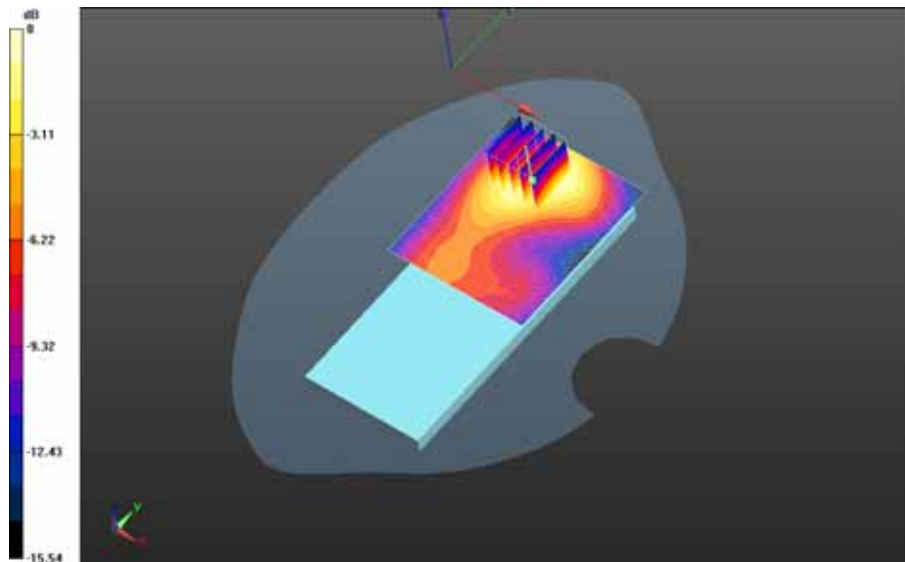
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - GPRS 1900 Slider Open/2nd Scan 10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Area Scan (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.758 V/m; **Power Drift = -0.103 dB**

**Fast SAR: SAR(1g) = 0.823 W/kg; SAR(10g) = 0.485 W/kg**  
Maximum value of SAR (interpolated) = 0.916 W/kg


**Mobile Hot Spot MSL - GPRS 1900 Slider Open/2nd Scan 10mm Device Back - GPRS1900\_2-slot\_chan512\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.758 V/m; **Power Drift = -0.103 dB**

**Averaged SAR: SAR(1g) = 0.803 W/kg; SAR(10g) = 0.502 W/kg**  
Maximum value of SAR (interpolated) = 1.13 W/kg



0 dB = 0.892 W/kg = -0.50 dBW/kg



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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 7/23/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Body Worn MSL - GPRS 1900**

Communication System: GPRS 1900 (4-slots) (0); Communication System Band: GPRS 1900 ( 4 slots); Frequency: 1850.2 MHz

Medium Parameters used: f=1850.2 MHz;  $\sigma = 1.497$  S/m;  $\epsilon_r = 51.710$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900\_4-**


**slot\_chan512\_amb\_temp\_23.8C\_liq\_temp\_22.0C/Area Scan (61x61x1):** Interpolated grid:

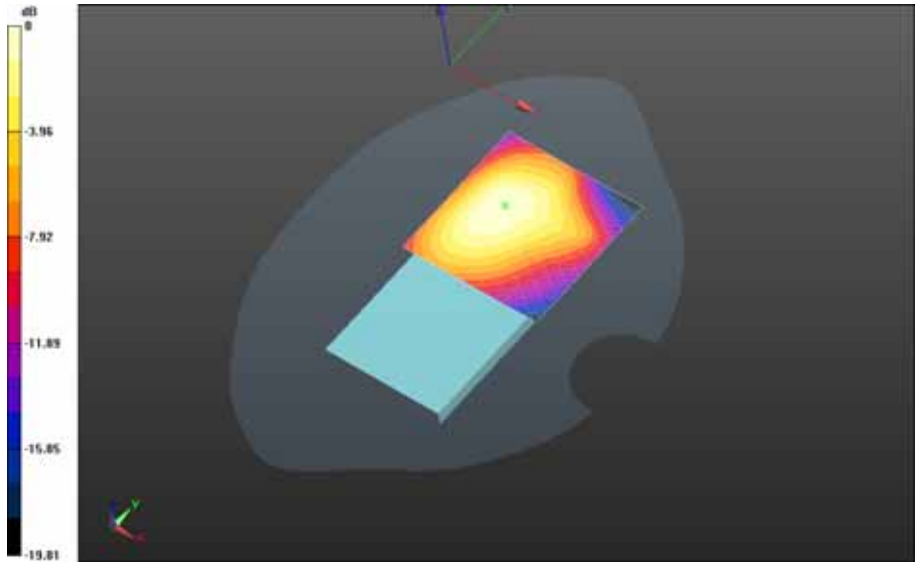
dx=1.500 mm, dy=1.500 mm

Reference Value = 7.518 V/m; **Power Drift = -0.101 dB**


**Fast SAR: SAR(1g) = 0.437 W/kg; SAR(10g) = 0.265 W/kg**

Maximum value of SAR (interpolated) = 0.470 W/kg

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0 dB = 0.470 W/kg = -3.28 dBW/kg

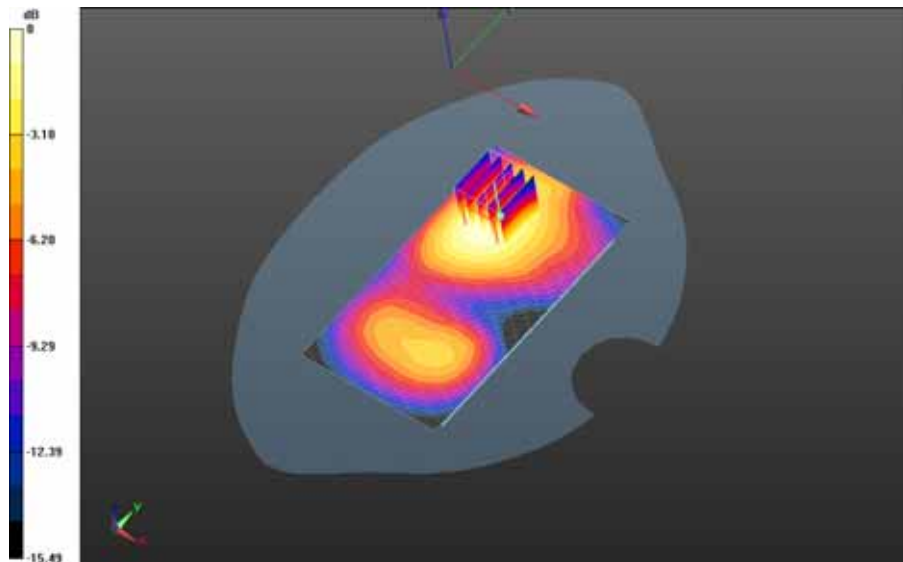
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**Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900\_4-  
slot\_chan661\_amb\_temp\_23.8C\_liq\_temp\_22.0C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.614 V/m; **Power Drift = -0.142 dB**


**Fast SAR: SAR(1g) = 0.557 W/kg; SAR(10g) = 0.333 W/kg**  
Maximum value of SAR (interpolated) = 0.612 W/kg

**Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900\_4-  
slot\_chan661\_amb\_temp\_23.8C\_liq\_temp\_22.0C/Zoom Scan (21x21x36)/Cube 0:** Interpolated  
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 8.614 V/m; **Power Drift = -0.142 dB**

**Averaged SAR: SAR(1g) = 0.539 W/kg; SAR(10g) = 0.355 W/kg**  
Maximum value of SAR (interpolated) = 0.718 W/kg

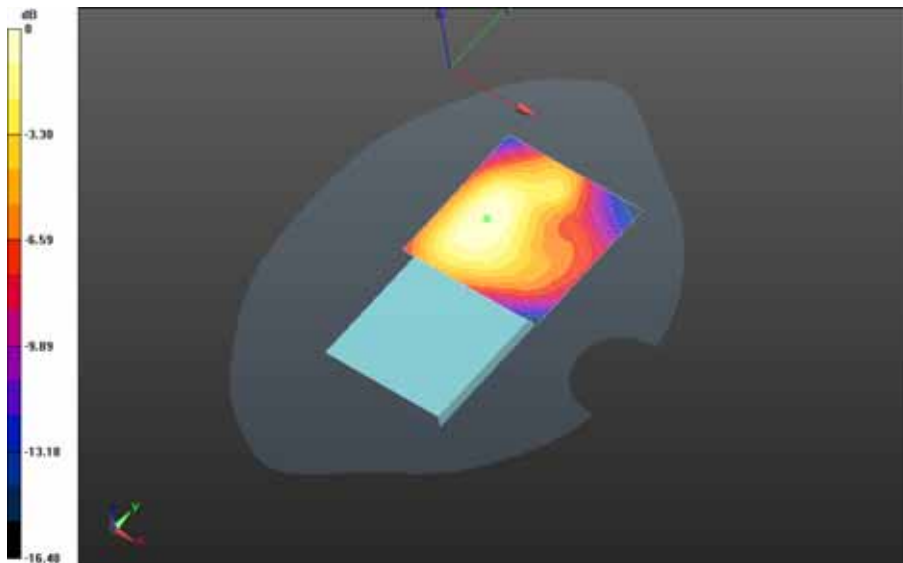


0 dB = 0.579 W/kg = -2.37 dBW/kg


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**Body Worn MSL - GPRS 1900/15mm Device Back -GPRS 1900\_4-  
slot\_chan810\_amb\_temp\_23.9C\_liq\_temp\_22.0C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.291 V/m; **Power Drift = -0.026 dB**

**Fast SAR: SAR(1g) = 0.394 W/kg; SAR(10g) = 0.237 W/kg**  
Maximum value of SAR (interpolated) = 0.425 W/kg

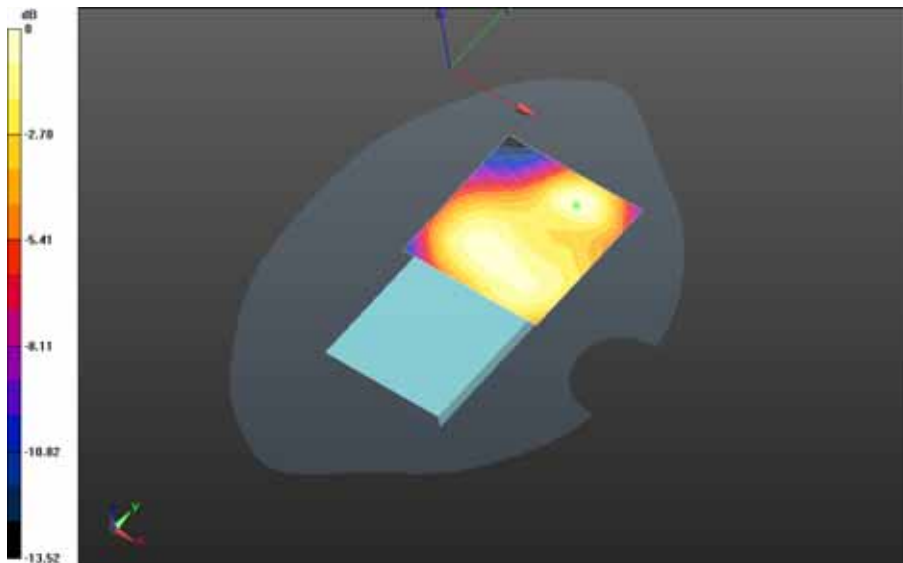


0 dB = 0.425 W/kg = -3.72 dBW/kg


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**Body Worn MSL - GPRS 1900/15mm Device Front -GPRS 1900\_4-  
slot\_chan661\_amb\_temp\_23.9C\_liq\_temp\_22.1C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 7.257 V/m; **Power Drift = -0.191 dB**

**Fast SAR: SAR(1g) = 0.133 W/kg; SAR(10g) = 0.0805 W/kg**  
Maximum value of SAR (interpolated) = 0.150 W/kg

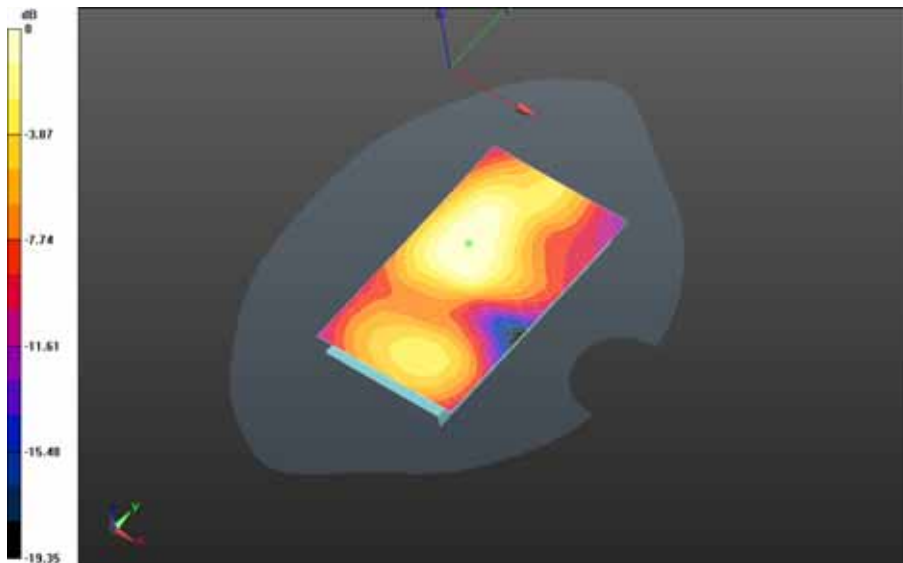


0 dB = 0.150 W/kg = -8.24 dBW/kg


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**Body Worn MSL - GPRS 1900/Holster Device Back -GPRS 1900\_4-  
slot\_chan661\_amb\_temp\_23.2C\_liq\_temp\_21.9C/Area Scan (61x101x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 10.098 V/m; **Power Drift = -0.035 dB**

**Fast SAR: SAR(1g) = 0.230 W/kg; SAR(10g) = 0.142 W/kg**  
Maximum value of SAR (interpolated) = 0.246 W/kg



0 dB = 0.246 W/kg = -6.09 dBW/kg

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## UMTS Band II

Date: 7/22/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

### **Configuration: Right-Hand-Side HSL - UMTS II - Slider Closed**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1880 MHz

Medium Parameters used:  $f=1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

#### **DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

#### **Right-Hand-Side HSL - UMTS II - Slider Closed/Touch Position - -UMTS**


**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_23.2C/Area Scan (121x171x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 9.021 V/m; **Power Drift = 0.00442 dB**

**Fast SAR: SAR(1g) = 0.344 W/kg; SAR(10g) = 0.206 W/kg**


Maximum value of SAR (interpolated) = 0.390 W/kg

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0 dB = 0.390 W/kg = -4.09 dBW/kg



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**Right-Hand-Side HSL - UMTS II - Slider Closed/Tilt Position - -UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_23.2C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 13.979 V/m; **Power Drift = -0.053 dB**

**Fast SAR: SAR(1g) = 0.345 W/kg; SAR(10g) = 0.199 W/kg**

Maximum value of SAR (interpolated) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

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Date: 7/22/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - UMTS II - Slider Closed**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 38.640$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - UMTS II - Slider Closed/Touch Position - UMTS**

**II\_chan9262\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Area Scan (61x61x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 13.520 V/m; **Power Drift = 0.013 dB**

**Fast SAR: SAR(1g) = 0.645 W/kg; SAR(10g) = 0.362 W/kg**

Maximum value of SAR (interpolated) = 0.721 W/kg

**Left-Hand-Side HSL - UMTS II - Slider Closed/Touch Position - UMTS**


**II\_chan9262\_amb\_temp\_23.5C\_liq\_temp\_23.0C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

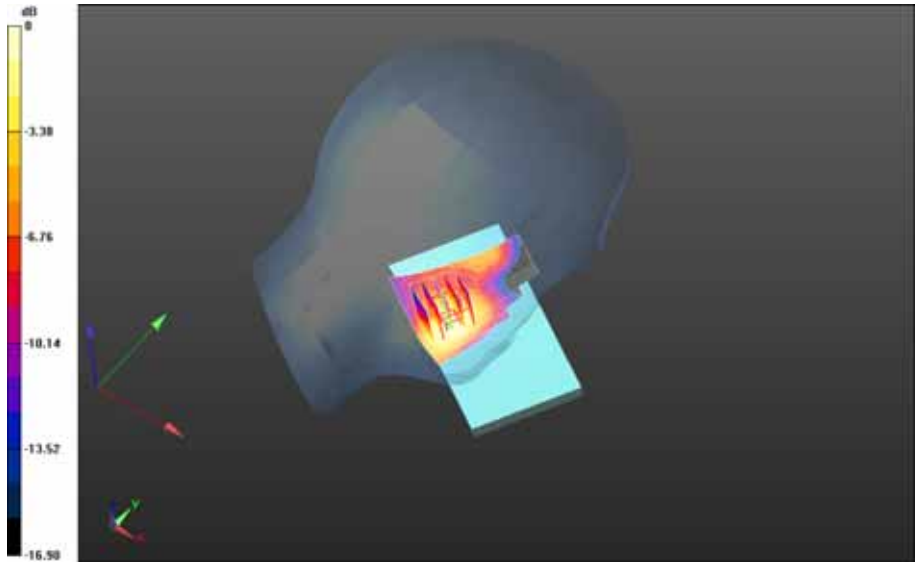
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 13.520 V/m; **Power Drift = 0.013 dB**


**Averaged SAR: SAR(1g) = 0.640 W/kg; SAR(10g) = 0.398 W/kg**

Maximum value of SAR (interpolated) = 0.888 W/kg

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0 dB = 0.688 W/kg = -1.62 dBW/kg

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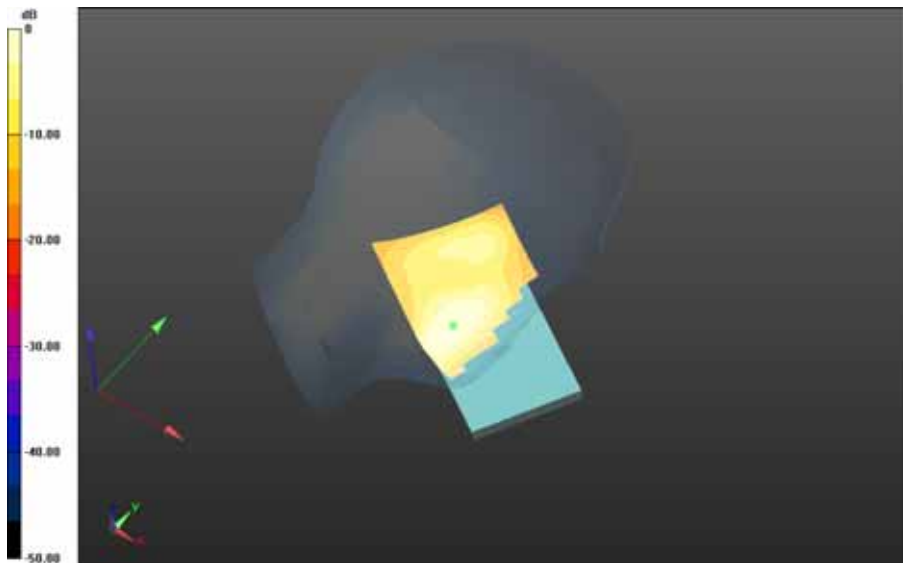
**Left-Hand-Side HSL - UMTS II - Slider Closed/Touch Position - UMTS**

**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_23.1C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 10.804 V/m; **Power Drift = 0.021 dB**

**Fast SAR: SAR(1g) = 0.593 W/kg; SAR(10g) = 0.337 W/kg**

Maximum value of SAR (interpolated) = 0.660 W/kg



0 dB = 0.660 W/kg = -1.80 dBW/kg

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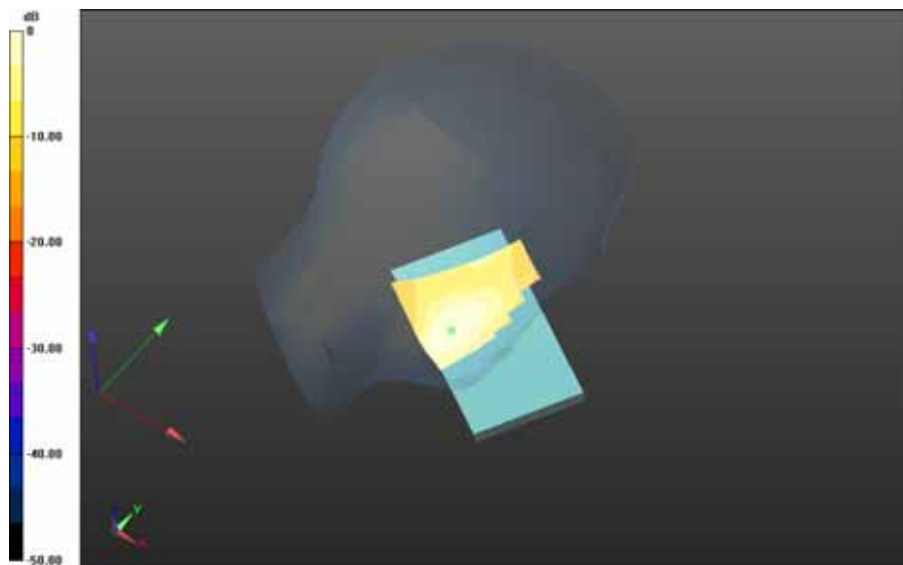
**Left-Hand-Side HSL - UMTS II - Slider Closed/Touch Position - UMTS**

**II\_chan9538\_amb\_temp\_23.6C\_liq\_temp\_23.0C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 10.204 V/m; **Power Drift = -0.066 dB**

**Fast SAR: SAR(1g) = 0.565 W/kg; SAR(10g) = 0.320 W/kg**

Maximum value of SAR (interpolated) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

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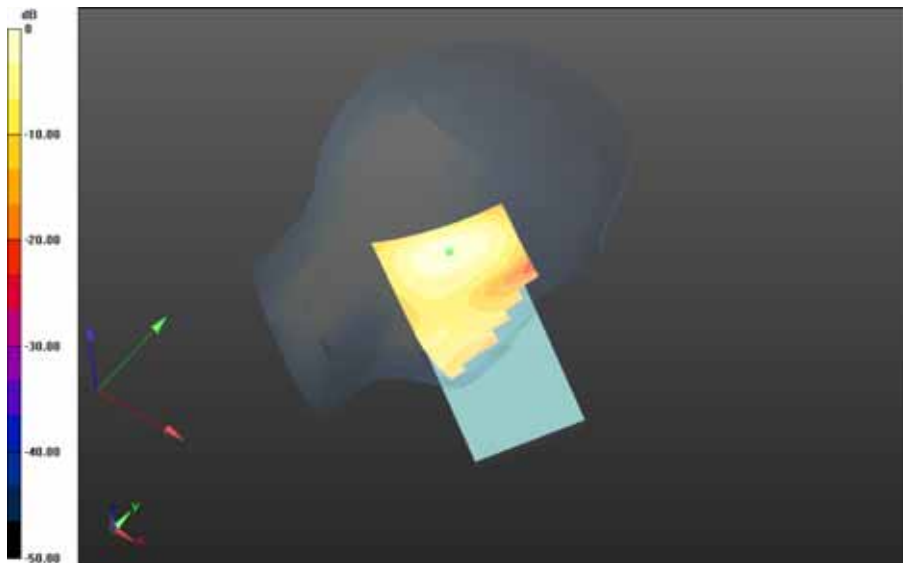
**Left-Hand-Side HSL - UMTS II - Slider Closed/Tilt Position - UMTS**

**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_23.1C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 15.845 V/m; **Power Drift = -0.044 dB**

**Fast SAR: SAR(1g) = 0.358 W/kg; SAR(10g) = 0.195 W/kg**

Maximum value of SAR (interpolated) = 0.419 W/kg



0 dB = 0.419 W/kg = -3.78 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/22/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Right-Hand-Side HSL - UMTS II - Slider Open**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1880 MHz

Medium Parameters used:  $f=1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 38.544$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Right Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Right-Hand-Side HSL - UMTS II - Slider Open/Touch Position -UMTS**

**II\_chan9400\_amb\_temp\_23.4C\_liq\_temp\_22.8C/Area Scan (121x171x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 12.611 V/m; **Power Drift = -0.175 dB**

**Fast SAR: SAR(1g) = 0.333 W/kg; SAR(10g) = 0.199 W/kg**

Maximum value of SAR (interpolated) = 0.371 W/kg



Author Data  
**Andrew Becker**

Dates of Test  
**July 15 – Sept 21, 2015**

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**RTS-6066-1509-15**


FCC ID:  
**L6ARHK210LW**

IC  
**2503A-RHK210LW**



0 dB = 0.371 W/kg = -4.31 dBW/kg



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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>169(199)</b>
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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Right-Hand-Side HSL - UMTS II - Slider Open/Tilt Position -UMTS**

**II\_chan9400\_amb\_temp\_23.4C\_liq\_temp\_22.8C/Area Scan (121x171x1): Interpolated grid:**  
dx=1.500 mm, dy=1.500 mm


Reference Value = 16.798 V/m; **Power Drift = 0.00754 dB**

**Fast SAR: SAR(1g) = 0.389 W/kg; SAR(10g) = 0.233 W/kg**

Maximum value of SAR (interpolated) = 0.430 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/22/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Left-Hand-Side HSL - UMTS II - Slider Open**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.342$  S/m;  $\epsilon_r = 38.640$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Left Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (5.18,5.18,5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Left-Hand-Side HSL - UMTS II - Slider Open/Touch Position - UMTS**


**II\_chan9262\_amb\_temp\_23.4C\_liq\_temp\_22.9C/Area Scan (61x61x1):** Interpolated grid:

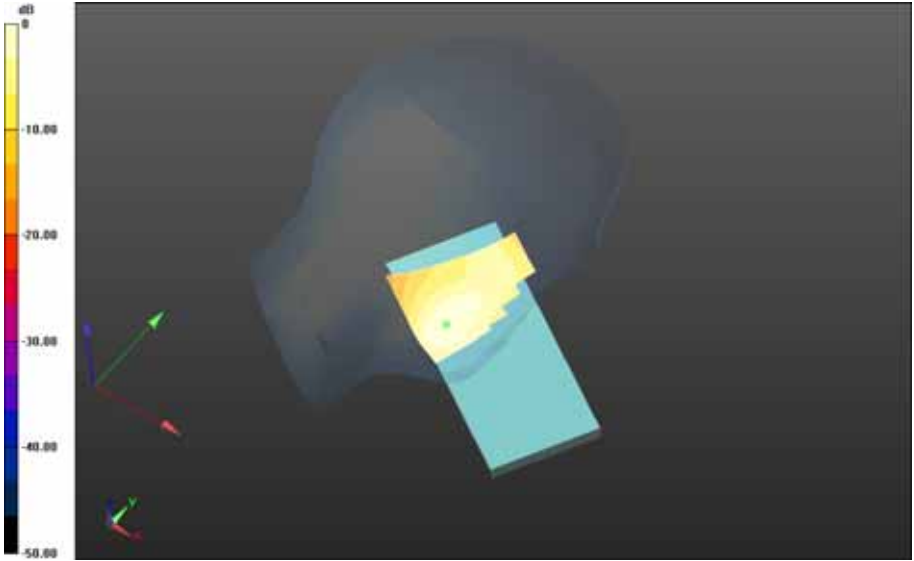
$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 8.116 V/m; **Power Drift = -0.048 dB**


**Fast SAR: SAR(1g) = 0.719 W/kg; SAR(10g) = 0.411 W/kg**

Maximum value of SAR (interpolated) = 0.803 W/kg

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	Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>



0 dB = 0.803 W/kg = -0.95 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Left-Hand-Side HSL - UMTS II - Slider Open/Touch Position -UMTS**

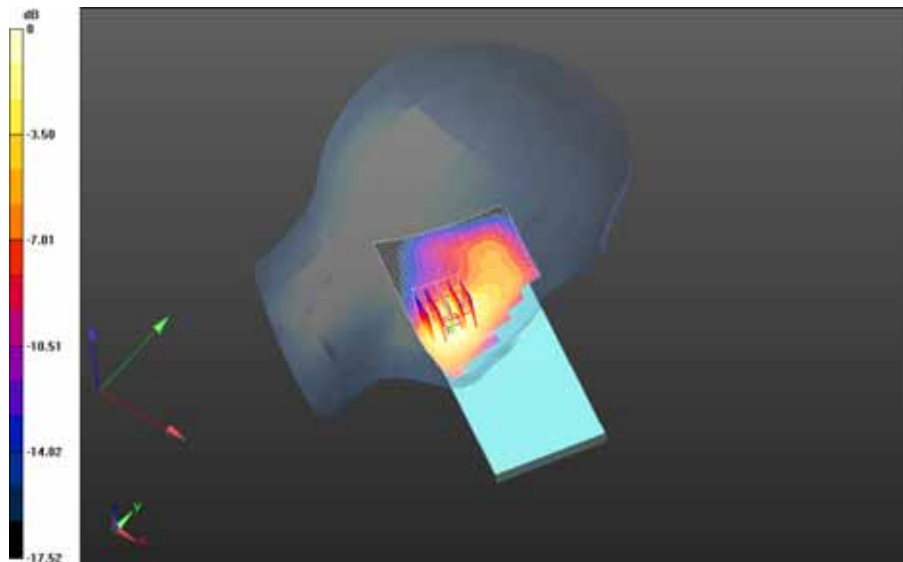
**II\_chan9400\_amb\_temp\_23.4C\_liq\_temp\_22.9C/Area Scan (61x101x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 8.052 V/m; **Power Drift = 0.00162 dB**

**Fast SAR: SAR(1g) = 0.735 W/kg; SAR(10g) = 0.421 W/kg**  
Maximum value of SAR (interpolated) = 0.823 W/kg


**Left-Hand-Side HSL - UMTS II - Slider Open/Touch Position -UMTS**

**II\_chan9400\_amb\_temp\_23.4C\_liq\_temp\_22.9C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 8.052 V/m; **Power Drift = 0.00162 dB**

**Averaged SAR: SAR(1g) = 0.734 W/kg; SAR(10g) = 0.465 W/kg**  
Maximum value of SAR (interpolated) = 1.04 W/kg



0 dB = 0.797 W/kg = -0.99 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

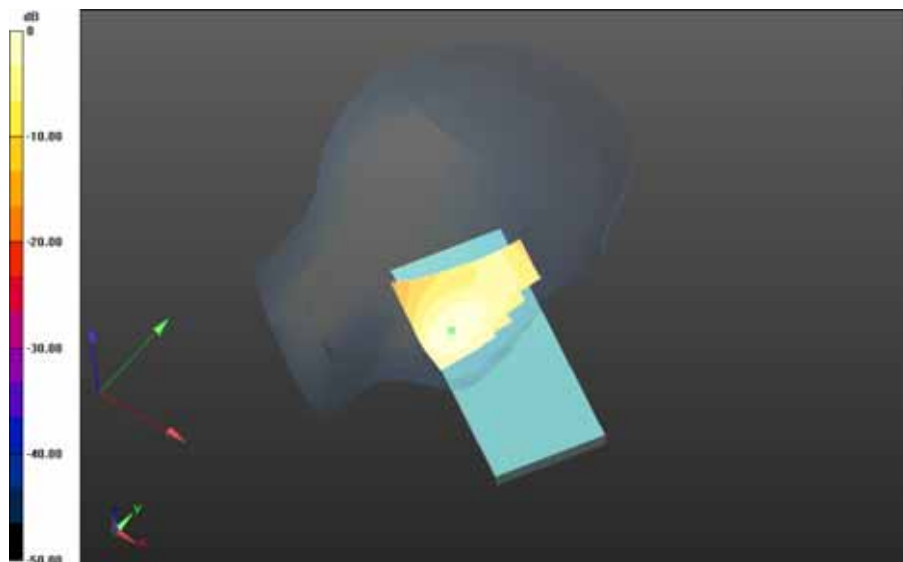
**Left-Hand-Side HSL - UMTS II - Slider Open/Touch Position - UMTS**

**II\_chan9538\_amb\_temp\_23.3C\_liq\_temp\_22.9C/Area Scan (61x61x1): Interpolated grid:**  
dx=1.500 mm, dy=1.500 mm


Reference Value = 7.749 V/m; **Power Drift = 0.052 dB**

**Fast SAR: SAR(1g) = 0.667 W/kg; SAR(10g) = 0.381 W/kg**

Maximum value of SAR (interpolated) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

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**Left-Hand-Side HSL - UMTS II - Slider Open/Tilt Position - UMTS**

**II\_chan9400\_amb\_temp\_23.4C\_liq\_temp\_22.9C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm


Reference Value = 16.298 V/m; **Power Drift = -0.138 dB**

**Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.291 W/kg**

Maximum value of SAR (interpolated) = 0.561 W/kg



0 dB = 0.561 W/kg = -2.51 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 9/2/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - UMTS II - Slider Closed**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.512$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.6C\_liq\_temp\_22.4C/Area Scan (71x71x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 8.364 V/m; **Power Drift = 0.024 dB**

**Fast SAR: SAR(1g) = 0.850 W/kg; SAR(10g) = 0.481 W/kg**

Maximum value of SAR (interpolated) = 0.967 W/kg

**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Back -UMTS**


**II\_chan9262\_amb\_temp\_23.6C\_liq\_temp\_22.4C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

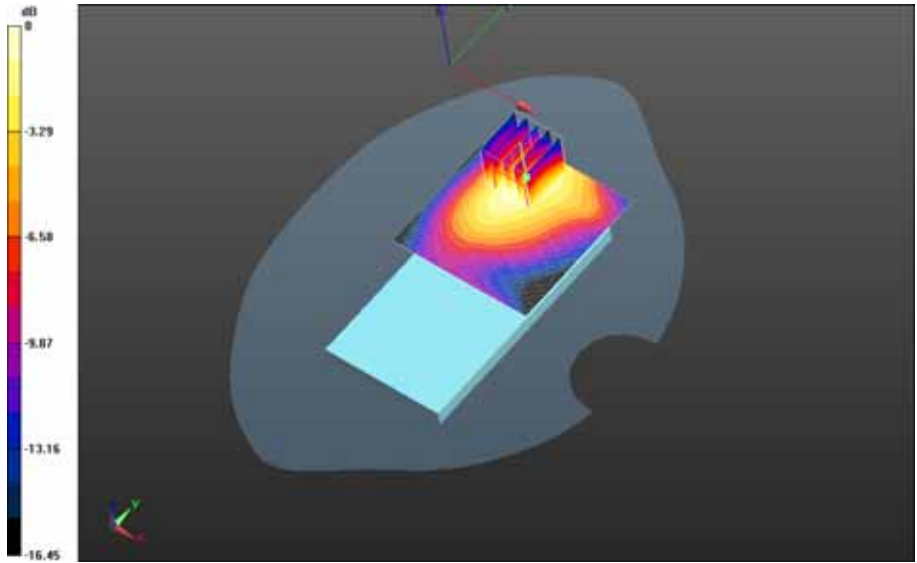
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 8.364 V/m; **Power Drift = 0.024 dB**

**Averaged SAR: SAR(1g) = 0.841 W/kg; SAR(10g) = 0.535 W/kg**


Maximum value of SAR (interpolated) = 1.10 W/kg

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Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>	IC <b>2503A-RHK210LW</b>



0 dB = 0.928 W/kg = -0.32 dBW/kg



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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

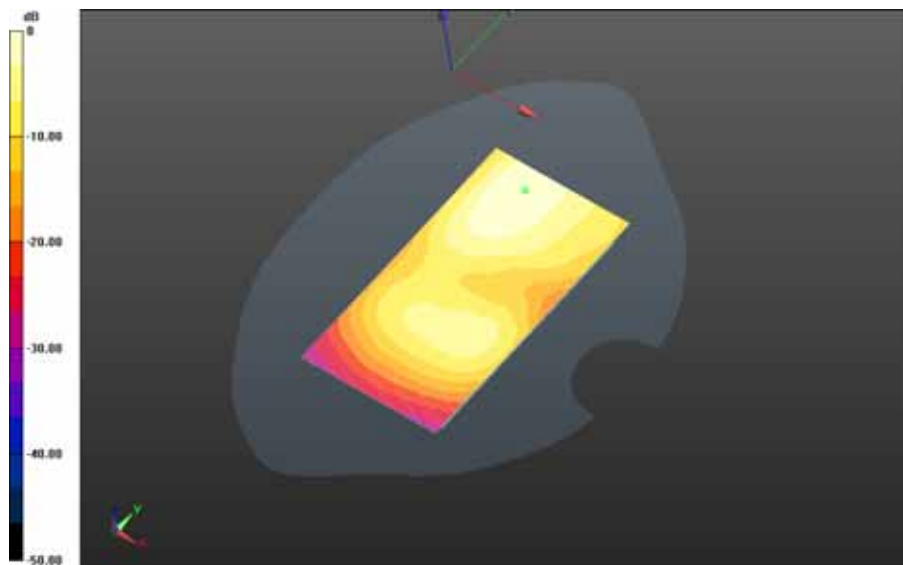
**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_22.4C/Area Scan (121x141x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm


Reference Value = 7.950 V/m; **Power Drift = 0.150 dB**

**Fast SAR: SAR(1g) = 0.720 W/kg; SAR(10g) = 0.427 W/kg**

Maximum value of SAR (interpolated) = 0.786 W/kg



0 dB = 0.786 W/kg = -1.05 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Back -UMTS**

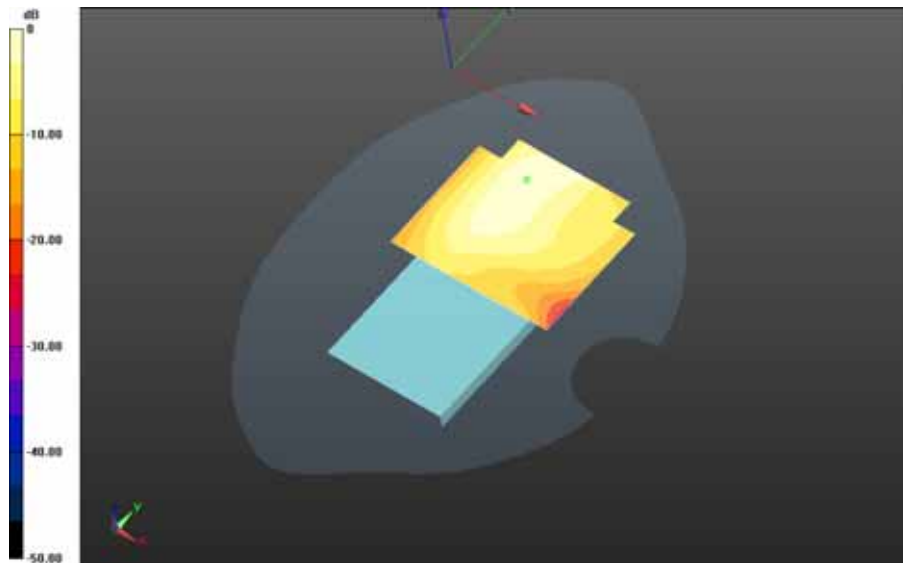
**II\_chan9538\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (71x71x1): Interpolated grid:**

dx=1.500 mm, dy=1.500 mm


Reference Value = 6.995 V/m; **Power Drift = 0.024 dB**

**Fast SAR: SAR(1g) = 0.659 W/kg; SAR(10g) = 0.371 W/kg**

Maximum value of SAR (interpolated) = 0.757 W/kg



0 dB = 0.757 W/kg = -1.21 dBW/kg

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Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Front -UMTS**

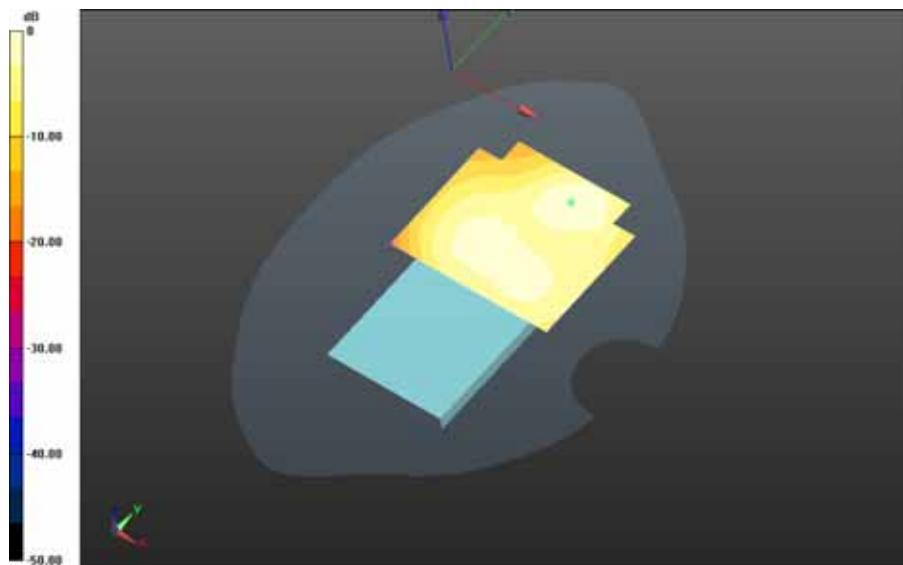
**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (71x71x1): Interpolated grid:**

dx=1.500 mm, dy=1.500 mm


Reference Value = 7.670 V/m; **Power Drift = 0.025 dB**

**Fast SAR: SAR(1g) = 0.233 W/kg; SAR(10g) = 0.127 W/kg**

Maximum value of SAR (interpolated) = 0.269 W/kg



0 dB = 0.269 W/kg = -5.70 dBW/kg

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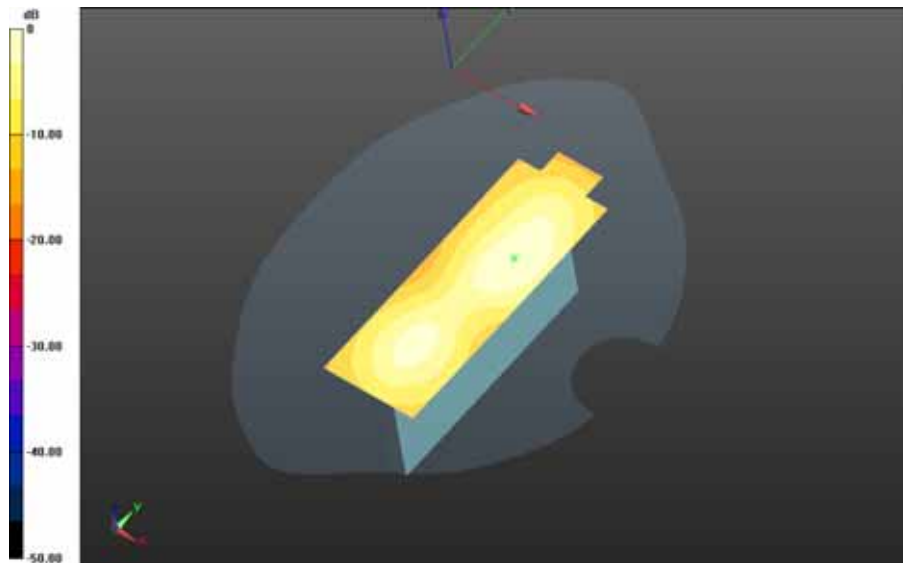
**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Left - UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm


Reference Value = 11.891 V/m; **Power Drift = 0.023 dB**

**Fast SAR: SAR(1g) = 0.372 W/kg; SAR(10g) = 0.221 W/kg**

Maximum value of SAR (interpolated) = 0.445 W/kg

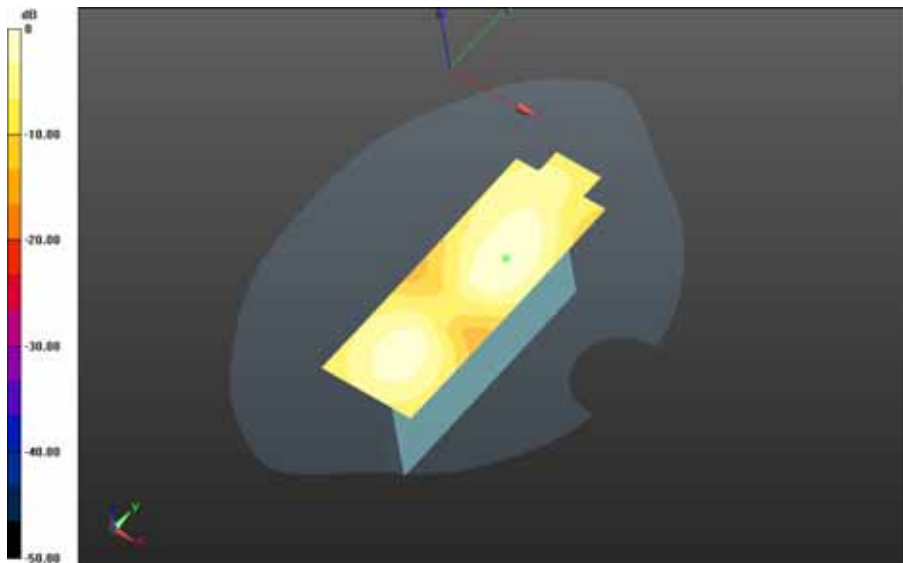


0 dB = 0.445 W/kg = -3.52 dBW/kg


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**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Right - UMTS**  
**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.3C/Area Scan (121x171x1): Interpolated grid:**  
 dx=1.500 mm, dy=1.500 mm  
 Reference Value = 5.317 V/m; **Power Drift = -0.054 dB**

**Fast SAR: SAR(1g) = 0.0753 W/kg; SAR(10g) = 0.0448 W/kg**  
 Maximum value of SAR (interpolated) = 0.0895 W/kg



0 dB = 0.0895 W/kg = -10.48 dBW/kg

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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

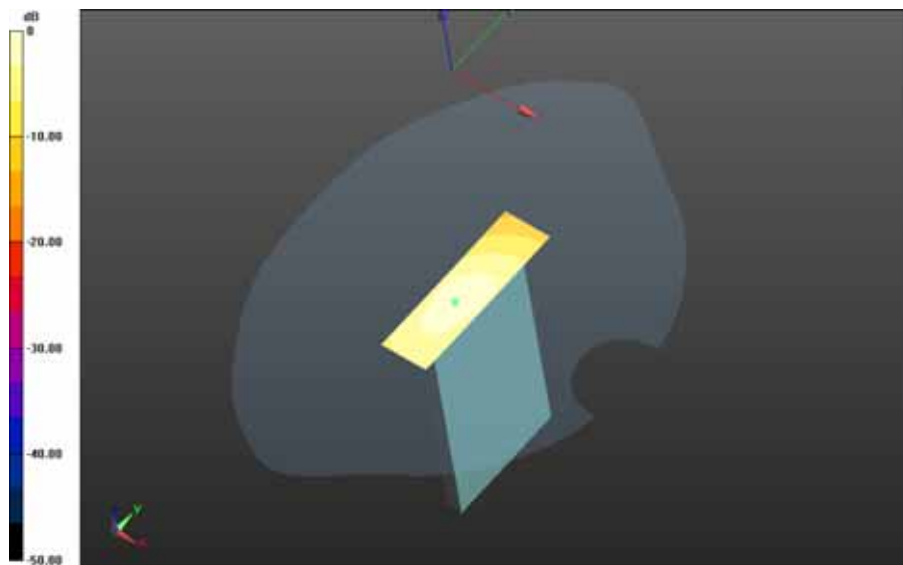
**Mobile Hot Spot MSL - UMTS II - Slider Closed/10mm Device Bottom - UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.4C/Area Scan (121x171x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm


Reference Value = 10.023 V/m; **Power Drift = 0.023 dB**

**Fast SAR: SAR(1g) = 0.153 W/kg; SAR(10g) = 0.0818 W/kg**

Maximum value of SAR (interpolated) = 0.175 W/kg



0 dB = 0.175 W/kg = -7.57 dBW/kg

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<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 9/2/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161463503**

**Configuration: Mobile Hot Spot MSL - UMTS II - Slider Open**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.512$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Area Scan (71x71x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 13.439 V/m; **Power Drift = -0.041 dB**

**Fast SAR: SAR(1g) = 0.952 W/kg; SAR(10g) = 0.564 W/kg**

Maximum value of SAR (interpolated) = 1.06 W/kg

**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**


**II\_chan9262\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

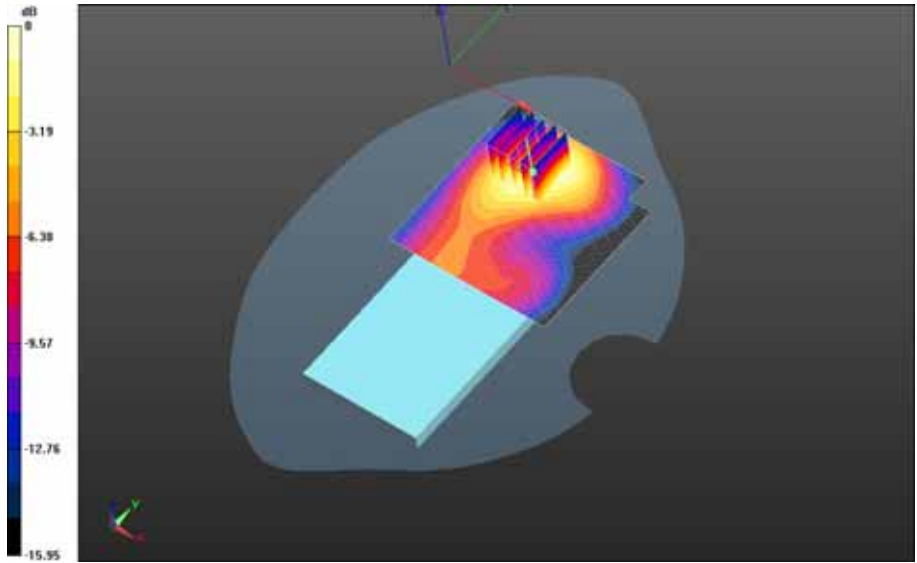
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 13.439 V/m; **Power Drift = -0.041 dB**

**Averaged SAR: SAR(1g) = 0.934 W/kg; SAR(10g) = 0.583 W/kg**


Maximum value of SAR (interpolated) = 1.33 W/kg

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Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>	IC <b>2503A-RHK210LW</b>



0 dB = 1.04 W/kg = 0.17 dBW/kg



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Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Area Scan (121x161x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm

Reference Value = 12.842 V/m; **Power Drift = -0.082 dB**

**Fast SAR: SAR(1g) = 0.844 W/kg; SAR(10g) = 0.497 W/kg**

Maximum value of SAR (interpolated) = 0.927 W/kg

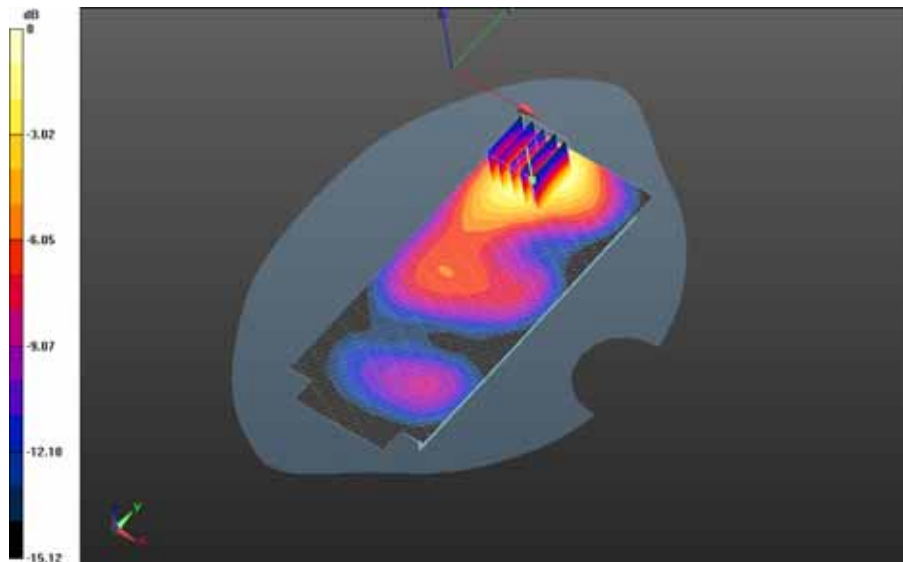
**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.7C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 12.842 V/m; **Power Drift = -0.082 dB**

**Averaged SAR: SAR(1g) = 0.870 W/kg; SAR(10g) = 0.538 W/kg**

Maximum value of SAR (interpolated) = 1.16 W/kg



0 dB = 0.950 W/kg = -0.22 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>186(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**

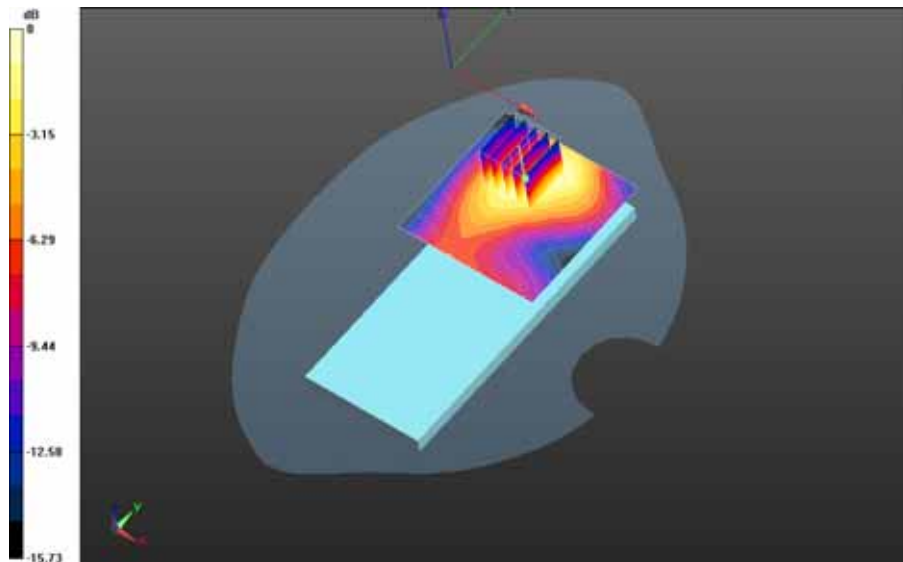
**II\_chan9538\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 12.354 V/m; **Power Drift = -0.086 dB**

**Fast SAR: SAR(1g) = 0.808 W/kg; SAR(10g) = 0.474 W/kg**  
Maximum value of SAR (interpolated) = 0.898 W/kg


**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Back -UMTS**

**II\_chan9538\_amb\_temp\_23.6C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm  
Reference Value = 12.354 V/m; **Power Drift = -0.086 dB**

**Averaged SAR: SAR(1g) = 0.830 W/kg; SAR(10g) = 0.512 W/kg**  
Maximum value of SAR (interpolated) = 1.12 W/kg



0 dB = 0.916 W/kg = -0.38 dBW/kg

		Document <b>Appendix B for the BlackBerry® Smartphone Model RHK211LW          (STV100-1) SAR Report Part 2/3</b>		Page <b>187(199)</b>
		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

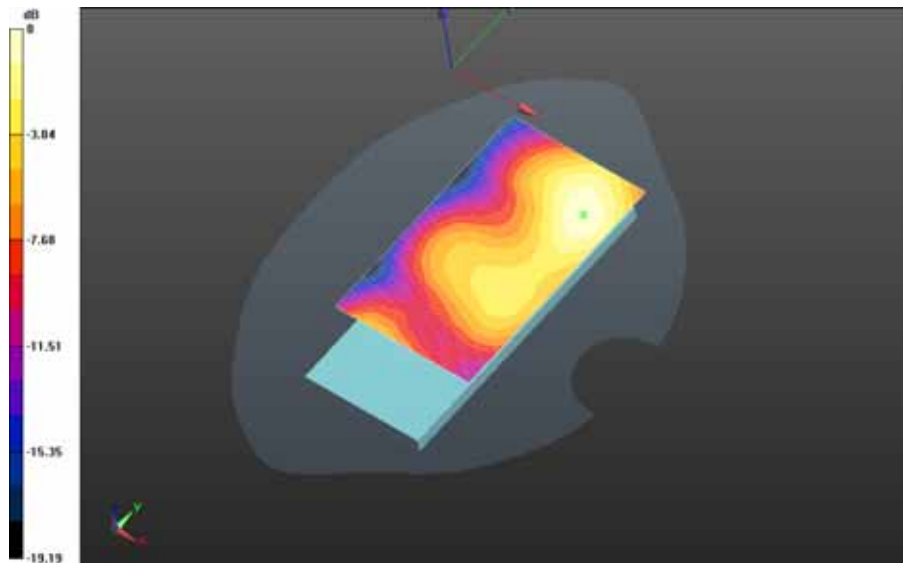
**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Front -UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.3C/Area Scan (61x101x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm


Reference Value = 13.745 V/m; **Power Drift = 0.050 dB**

**Fast SAR: SAR(1g) = 0.540 W/kg; SAR(10g) = 0.316 W/kg**

Maximum value of SAR (interpolated) = 0.598 W/kg



0 dB = 0.598 W/kg = -2.23 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>188(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

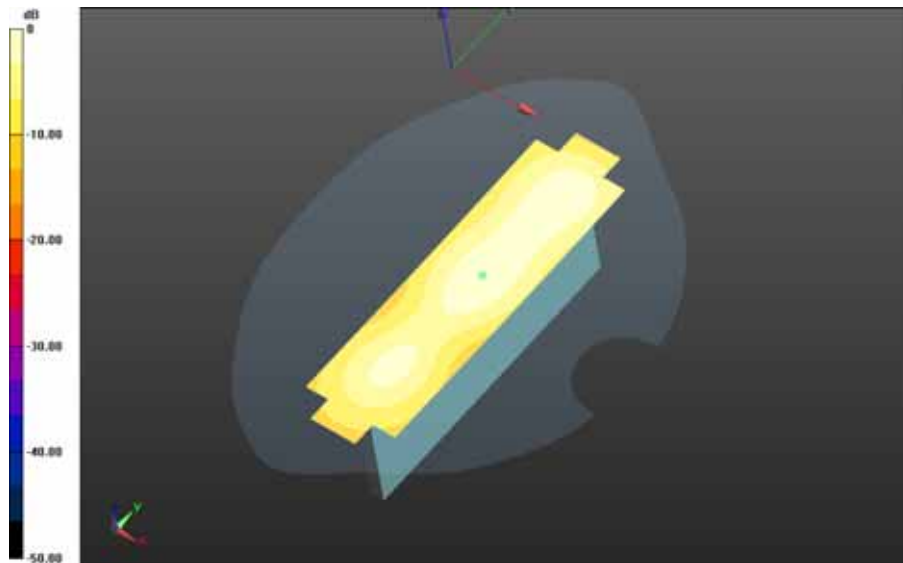
**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Left - UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 16.400 V/m; **Power Drift = 0.013 dB**

**Fast SAR: SAR(1g) = 0.342 W/kg; SAR(10g) = 0.198 W/kg**

Maximum value of SAR (interpolated) = 0.379 W/kg



0 dB = 0.379 W/kg = -4.21 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>189(199)</b>	
Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

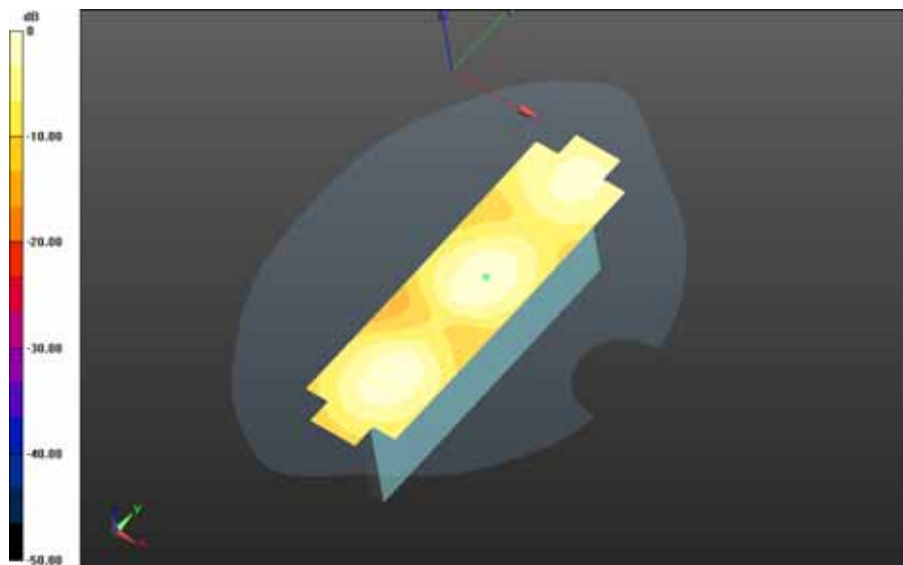
**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Right - UMTS**

**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.4C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 9.121 V/m; **Power Drift = -0.00315 dB**

**Fast SAR: SAR(1g) = 0.116 W/kg; SAR(10g) = 0.0644 W/kg**

Maximum value of SAR (interpolated) = 0.128 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>190(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

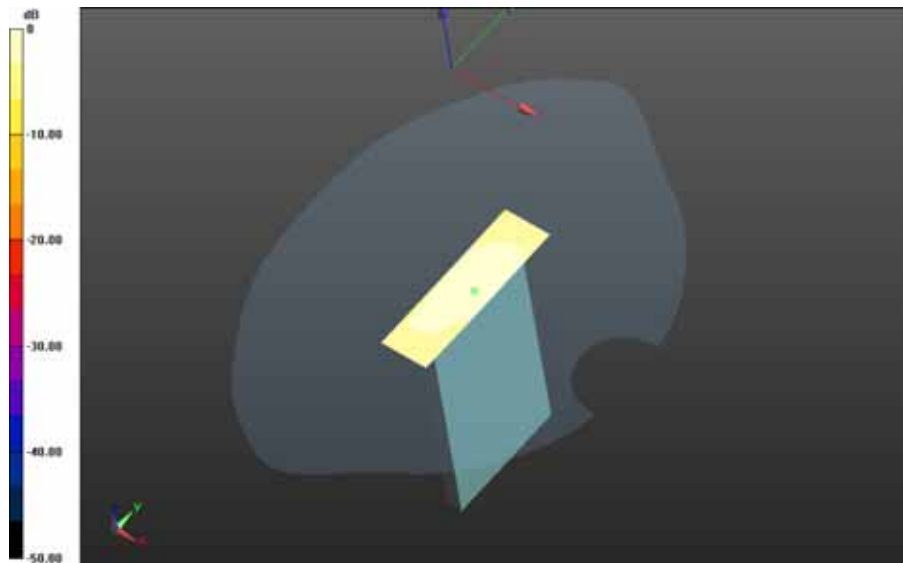
**Mobile Hot Spot MSL - UMTS II - Slider Open/10mm Device Bottom - UMTS**

**II\_chan9400\_amb\_temp\_23.9C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 11.825 V/m; **Power Drift = 0.016 dB**

**Fast SAR: SAR(1g) = 0.176 W/kg; SAR(10g) = 0.103 W/kg**

Maximum value of SAR (interpolated) = 0.191 W/kg



0 dB = 0.191 W/kg = -7.19 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>191(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

**Mobile Hot Spot MSL - UMTS II - Slider Open/2nd Scan 10mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.8C\_liq\_temp\_22.4C/Area Scan (71x71x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm

Reference Value = 13.333 V/m; **Power Drift = -0.00567 dB**

**Fast SAR: SAR(1g) = 0.945 W/kg; SAR(10g) = 0.569 W/kg; Secondary SAR(1g) = 0.944 W/kg**

Maximum value of SAR (interpolated) = 1.07 W/kg

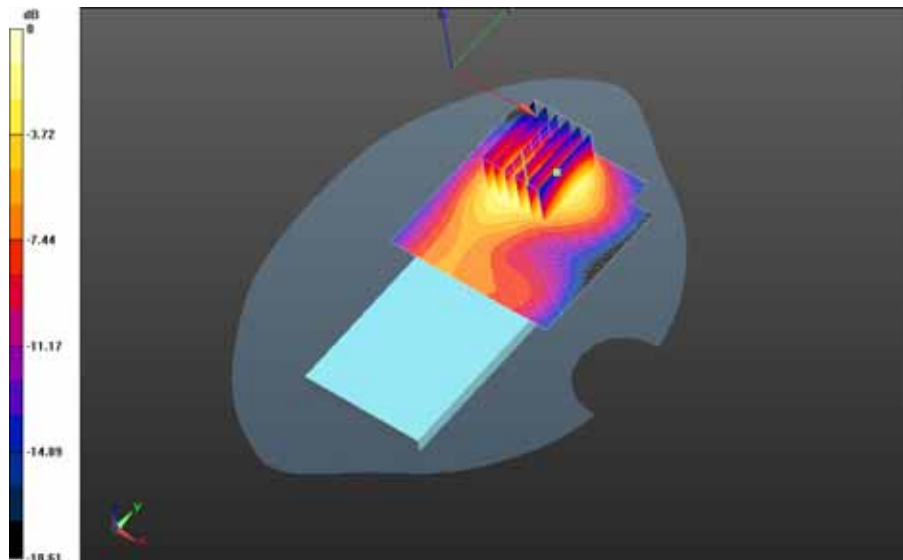
**Mobile Hot Spot MSL - UMTS II - Slider Open/2nd Scan 10mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.8C\_liq\_temp\_22.4C/Zoom Scan (26x31x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 13.333 V/m; **Power Drift = -0.00567 dB**

**Averaged SAR: SAR(1g) = 0.951 W/kg; SAR(10g) = 0.592 W/kg**

Maximum value of SAR (interpolated) = 1.40 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>192(199)</b>	
Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

Date: 7/22/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Body Worn MSL - UMTS II - Slider Closed**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 51.706$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - UMTS II - Slider Closed/15mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.4C\_liq\_temp\_22.1C 2/Area Scan (61x121x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 13.278 V/m; **Power Drift = 0.089 dB**

**Fast SAR: SAR(1g) = 0.881 W/kg; SAR(10g) = 0.525 W/kg**

Maximum value of SAR (interpolated) = 0.980 W/kg

**Body Worn MSL - UMTS II - Slider Closed/15mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.4C\_liq\_temp\_22.1C 2/Zoom Scan (21x21x36)/Cube 0:** Interpolated

grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 13.278 V/m; **Power Drift = 0.089 dB**

**Averaged SAR: SAR(1g) = 0.906 W/kg; SAR(10g) = 0.596 W/kg**

Maximum value of SAR (interpolated) = 1.18 W/kg



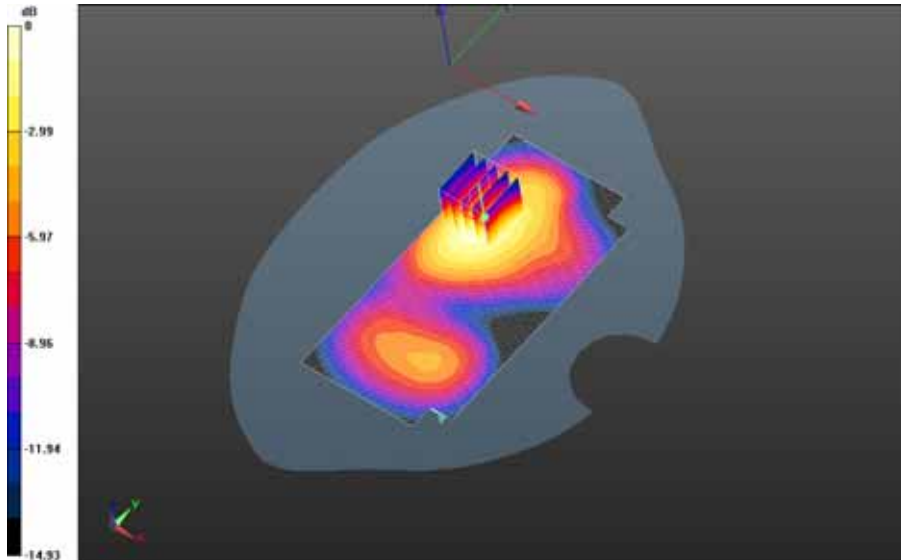
Author Data  
**Andrew Becker**

Dates of Test  
**July 15 – Sept 21, 2015**


Test Report No  
**RTS-6066-1509-15**

FCC ID:  
**L6ARHK210LW**

IC  
**2503A-RHK210LW**



0 dB = 0.970 W/kg = -0.13 dBW/kg

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		Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>

**Body Worn MSL - UMTS II - Slider Closed 2/15mm Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Area Scan (61x121x1):** Interpolated grid:  
 dx=1.500 mm, dy=1.500 mm

Reference Value = 13.244 V/m; **Power Drift = 0.075 dB**

**Fast SAR: SAR(1g) = 0.899 W/kg; SAR(10g) = 0.534 W/kg**

Maximum value of SAR (interpolated) = 0.996 W/kg

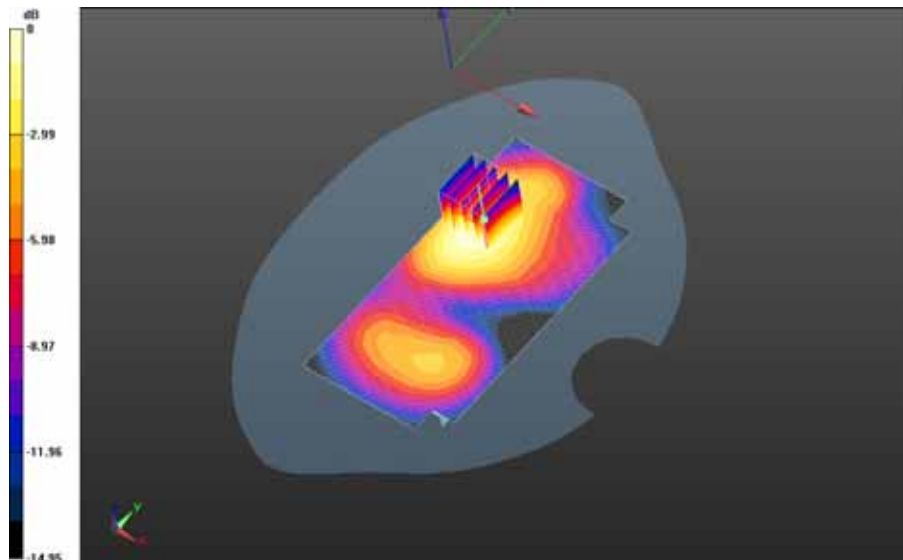
**Body Worn MSL - UMTS II - Slider Closed 2/15mm Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.6C\_liq\_temp\_22.1C/Zoom Scan (21x21x36)/Cube 0:** Interpolated  
 grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm


Reference Value = 13.244 V/m; **Power Drift = 0.075 dB**

**Averaged SAR: SAR(1g) = 0.881 W/kg; SAR(10g) = 0.583 W/kg**

Maximum value of SAR (interpolated) = 1.15 W/kg



0 dB = 0.953 W/kg = -0.21 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>195(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

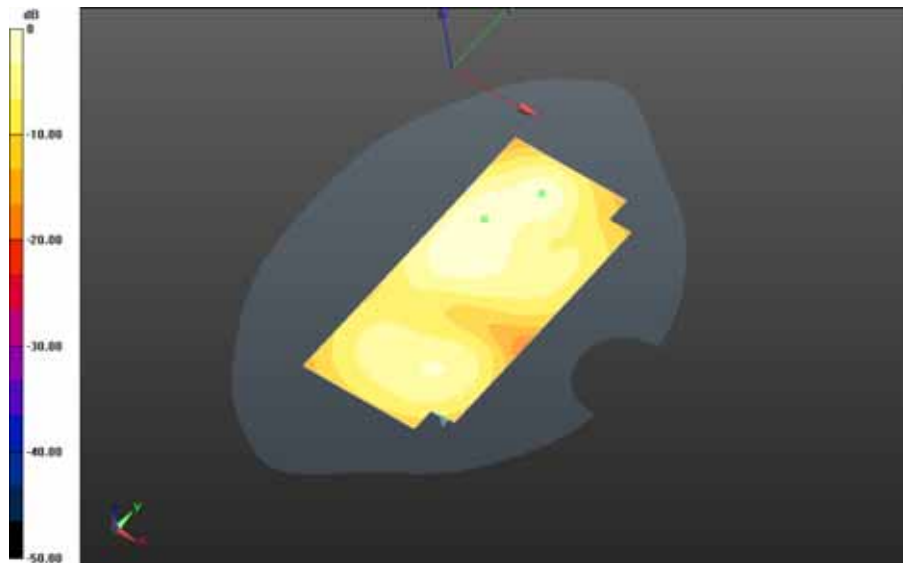
**Body Worn MSL - UMTS II - Slider Closed/15mm Device Back -UMTS**

**II\_chan9538\_amb\_temp\_23.4C\_liq\_temp\_22.1C 3/Area Scan (61x121x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 13.577 V/m; **Power Drift = 0.056 dB**

**Fast SAR: SAR(1g) = 0.635 W/kg; SAR(10g) = 0.379 W/kg**

Maximum value of SAR (interpolated) = 0.704 W/kg



0 dB = 0.704 W/kg = -1.52 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>196(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

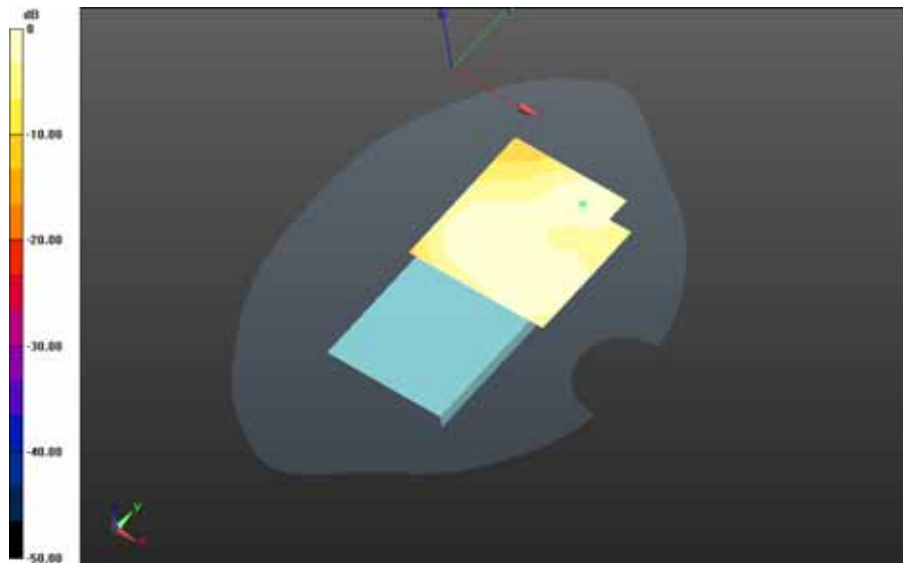
**Body Worn MSL - UMTS II - Slider Closed/15mm Device Front -UMTS**

**II\_chan9400\_amb\_temp\_23.5C\_liq\_temp\_22.0C/Area Scan (61x61x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 8.738 V/m; **Power Drift = 0.026 dB**

**Fast SAR: SAR(1g) = 0.249 W/kg; SAR(10g) = 0.153 W/kg**

Maximum value of SAR (interpolated) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>197(199)</b>	
Author Data	Dates of Test	Test Report No	FCC ID:	IC	
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>	

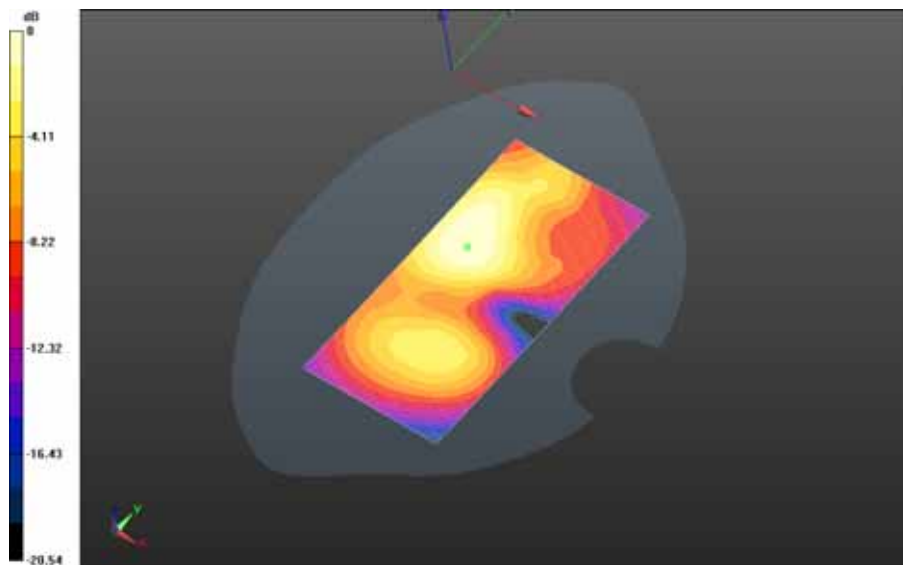
**Body Worn MSL - UMTS II - Slider Closed/Holster Device Back -UMTS**

**II\_chan9400\_amb\_temp\_23.5C\_liq\_temp\_22.0C/Area Scan (61x121x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm


Reference Value = 9.326 V/m; **Power Drift = 0.018 dB**

**Fast SAR: SAR(1g) = 0.346 W/kg; SAR(10g) = 0.210 W/kg**

Maximum value of SAR (interpolated) = 0.374 W/kg



0 dB = 0.374 W/kg = -4.27 dBW/kg

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		<b>Appendix B for the BlackBerry® Smartphone Model RHK211LW (STV100-1) SAR Report Part 2/3</b>		<b>198(199)</b>
Author Data	Dates of Test	Test Report No	FCC ID:	IC
<b>Andrew Becker</b>	<b>July 15 – Sept 21, 2015</b>	<b>RTS-6066-1509-15</b>	<b>L6ARHK210LW</b>	<b>2503A-RHK210LW</b>

Date: 9/2/2015

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 1161462755**

**Configuration: Body Worn MSL - UMTS II - Slider Closed**

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.512$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

**DASY Configuration:**

- Probe: ET3DV6 - SN1643; ConvF: (4.5,4.5,4.5); Calibrated: 3/13/2015;
- Sensor-Surface: 4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

**Body Worn MSL - UMTS II - Slider Closed 2/2nd Scan 15mm Device Back -UMTS**

**II\_chan9262\_amb\_temp\_23.7C\_liq\_temp\_22.1C/Area Scan (61x61x1):** Interpolated grid:

$dx=1.500$  mm,  $dy=1.500$  mm

Reference Value = 12.200 V/m; **Power Drift = 0.040 dB**

**Fast SAR: SAR(1g) = 0.929 W/kg; SAR(10g) = 0.555 W/kg**

Maximum value of SAR (interpolated) = 1.03 W/kg

**Body Worn MSL - UMTS II - Slider Closed 2/2nd Scan 15mm Device Back -UMTS**


**II\_chan9262\_amb\_temp\_23.7C\_liq\_temp\_22.1C/Zoom Scan (26x26x36)/Cube 0:** Interpolated

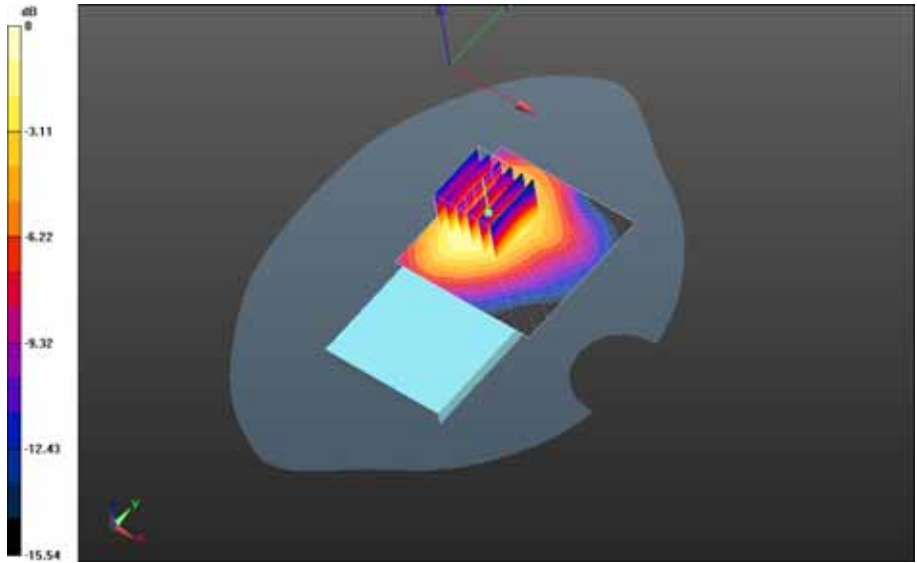
grid:  $dx=1.500$  mm,  $dy=1.500$  mm,  $dz=1.000$  mm

Reference Value = 12.200 V/m; **Power Drift = 0.040 dB**

**Averaged SAR: SAR(1g) = 0.929 W/kg; SAR(10g) = 0.612 W/kg**

Maximum value of SAR (interpolated) = 1.21 W/kg

	Document <b>Appendix B for the BlackBerry® Smartphone Model RHK211LW          (STV100-1) SAR Report Part 2/3</b>			Page <b>199(199)</b>
	Author Data <b>Andrew Becker</b>	Dates of Test <b>July 15 – Sept 21, 2015</b>	Test Report No <b>RTS-6066-1509-15</b>	FCC ID: <b>L6ARHK210LW</b>



0 dB = 1.01 W/kg = 0.04 dBW/kg