

|                                                                                   |                                               |                                                                                                          |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                      |

## APPENDIX C2: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

## LTE Band 17

Date: 11/19/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D**

### Configuration: Body Worn MSL - LTE Band 17

Communication System: LTE band 17 (0); Communication System Band: LTE 17; Frequency: 709 MHz

Medium Parameters used:  $f=709$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 54.728$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.28,6.28,6.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 17/15mm Device Back - LTE band

**17\_chan23780\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_21.7C/Area Scan**

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

Reference Value = 16.383 V/m; **Power Drift = -0.00641 dB**

**Fast SAR: SAR(1g) = 0.375 W/kg; SAR(10g) = 0.260 W/kg**

Maximum value of SAR (interpolated) = 0.419 W/kg

### Body Worn MSL - LTE Band 17/15mm Device Back - LTE band

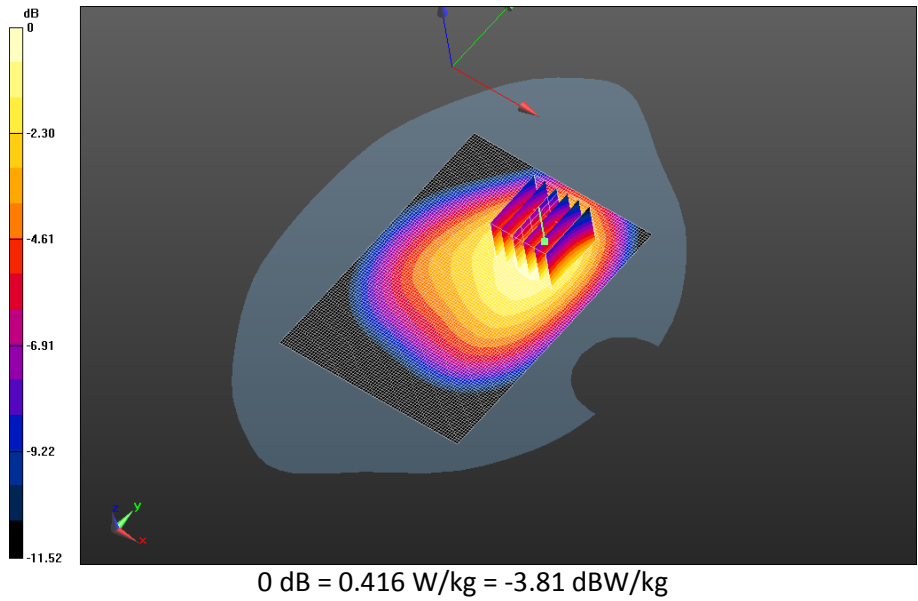
**17\_chan23780\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_21.7C/Zoom Scan**

**(26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 16.383 V/m; **Power Drift = -0.00641 dB**

**Averaged SAR: SAR(1g) = 0.378 W/kg; SAR(10g) = 0.270 W/kg**

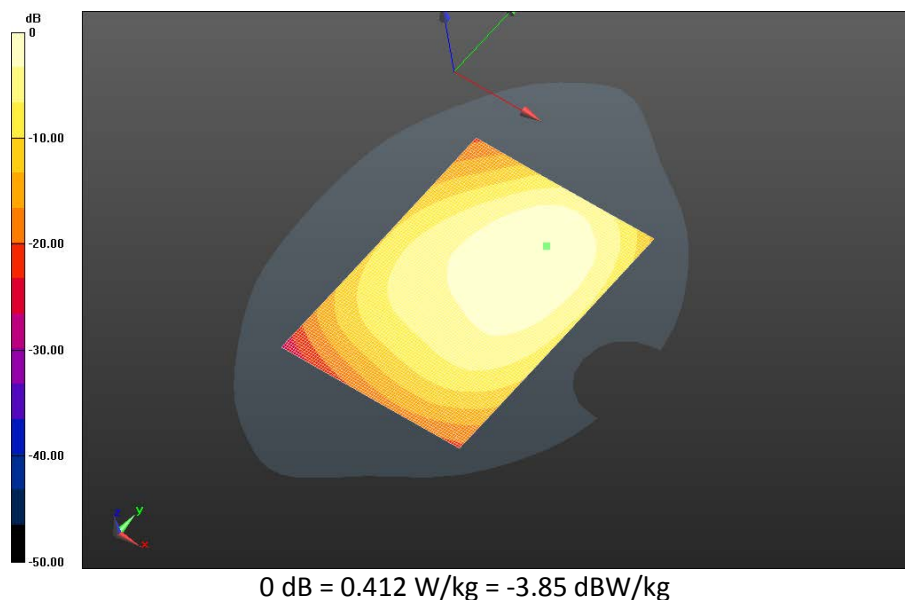
Maximum value of SAR (interpolated) = 0.505 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

**Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17\_chan23790\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 16.242 V/m; **Power Drift = -0.036 dB**

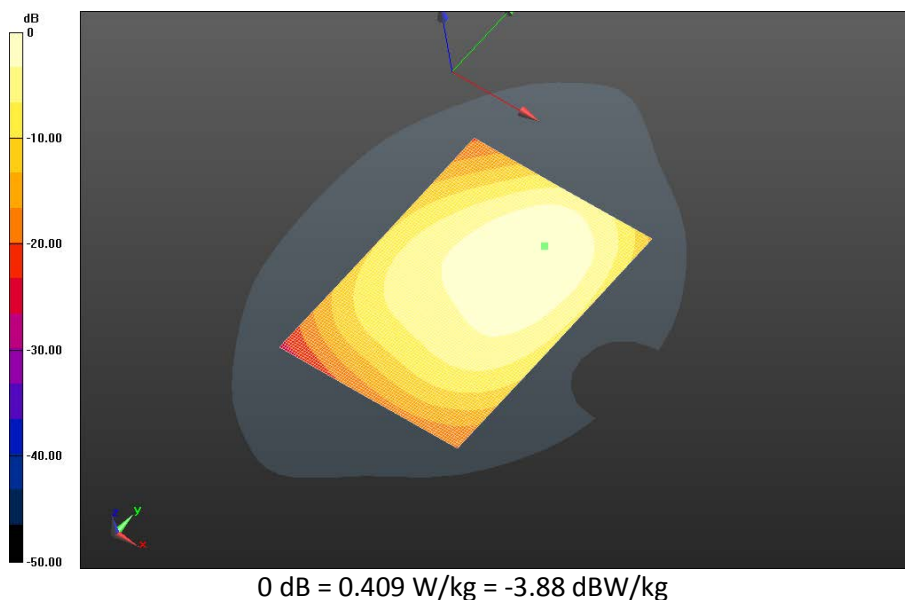
**Fast SAR: SAR(1g) = 0.368 W/kg; SAR(10g) = 0.255 W/kg**  
Maximum value of SAR (interpolated) = 0.412 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

**Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17\_chan23800\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.7C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 16.350 V/m; **Power Drift = -0.00614 dB**

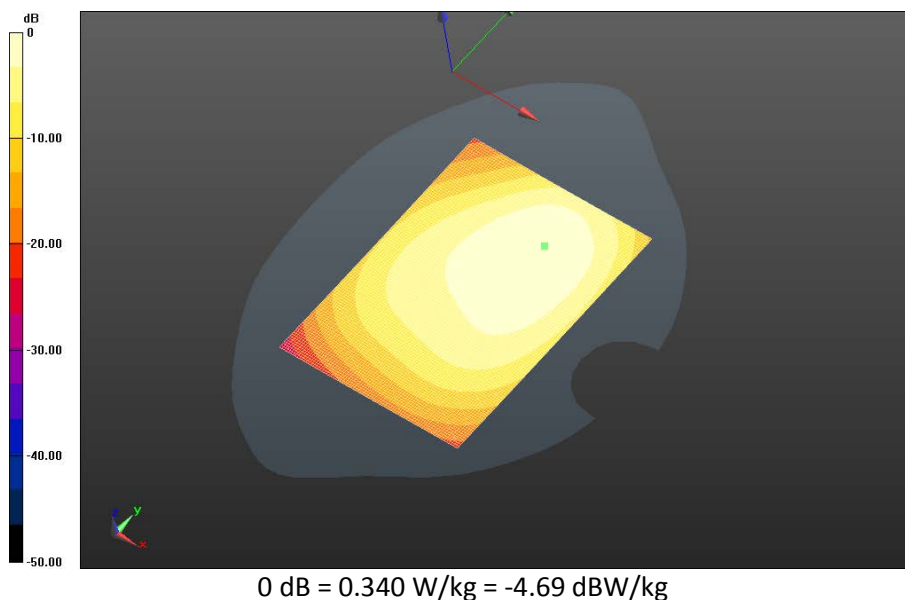
**Fast SAR: SAR(1g) = 0.366 W/kg; SAR(10g) = 0.254 W/kg**  
Maximum value of SAR (interpolated) = 0.409 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

**Body Worn MSL - LTE Band 17/15mm Device Back - LTE band 17\_chan23800\_10MHz\_BW\_RB25\_Offset\_High\_amb\_temp\_23.7C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 14.702 V/m; **Power Drift = 0.048 dB**

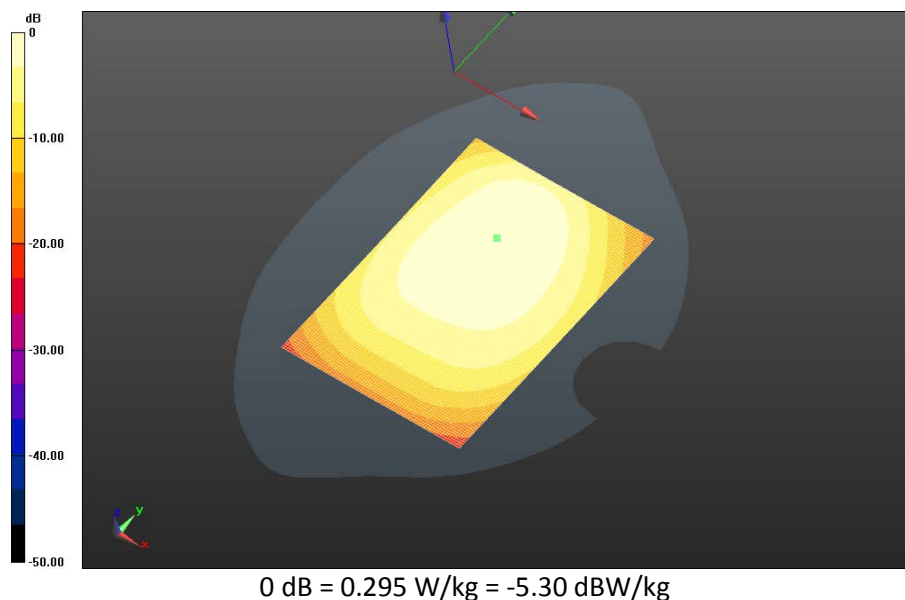
**Fast SAR: SAR(1g) = 0.304 W/kg; SAR(10g) = 0.210 W/kg**  
Maximum value of SAR (interpolated) = 0.340 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

**Body Worn MSL - LTE Band 17/15mm Device Front - LTE band 17\_chan23790\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.8C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 15.764 V/m; **Power Drift = -0.00623 dB**

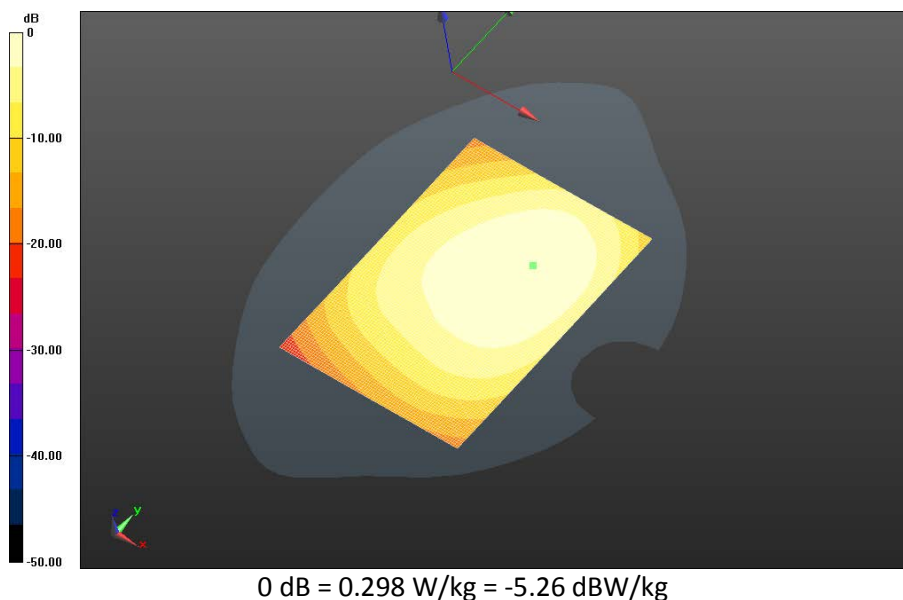
**Fast SAR: SAR(1g) = 0.269 W/kg; SAR(10g) = 0.190 W/kg**  
Maximum value of SAR (interpolated) = 0.295 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                      |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                      |

**Body Worn MSL - LTE Band 17/Holster Device Back-LTE band**  
**17\_chan23790\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_21.7C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 15.977 V/m; **Power Drift = 0.015 dB**

**Fast SAR: SAR(1g) = 0.272 W/kg; SAR(10g) = 0.192 W/kg**  
Maximum value of SAR (interpolated) = 0.298 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                      |
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## LTE Band 5

Date: 11/18/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D**

### Configuration: Body Worn MSL - LTE Band 5

Communication System: LTE 5 (0); Communication System Band: LTE 5; Frequency: 829 MHz

Medium Parameters used:  $f=829$  MHz;  $\sigma = 0.960$  S/m;  $\epsilon_r = 53.082$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 5/15mm Device Back - LTE band

**5\_chan20450\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_21.7C/Area Scan**

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

Reference Value = 21.928 V/m; **Power Drift = -0.067 dB**

**Fast SAR: SAR(1g) = 0.433 W/kg; SAR(10g) = 0.306 W/kg**

Maximum value of SAR (interpolated) = 0.491 W/kg

### Body Worn MSL - LTE Band 5/15mm Device Back - LTE band

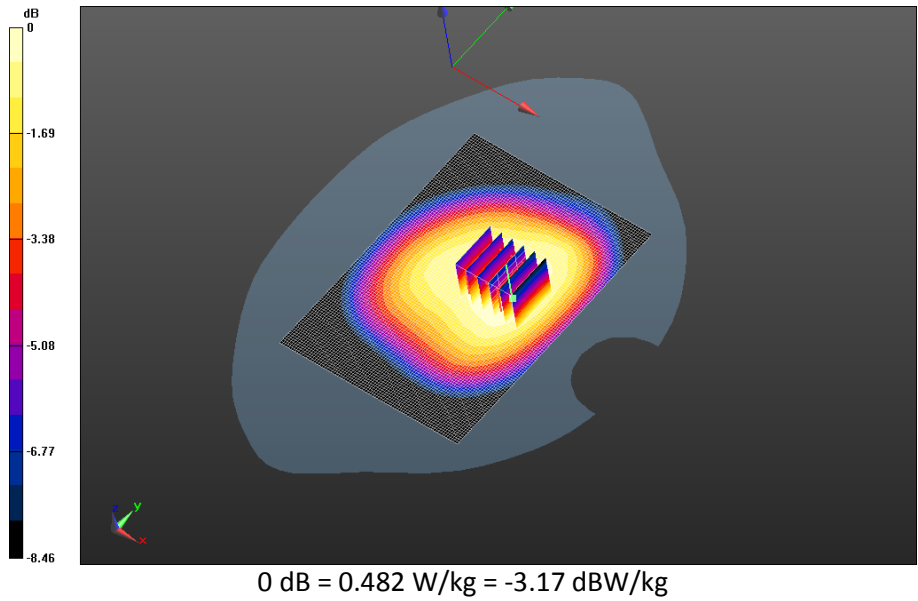
**5\_chan20450\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.9C\_liq\_temp\_21.7C/Zoom Scan**

**(26x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 21.928 V/m; **Power Drift = -0.067 dB**

**Averaged SAR: SAR(1g) = 0.438 W/kg; SAR(10g) = 0.332 W/kg**

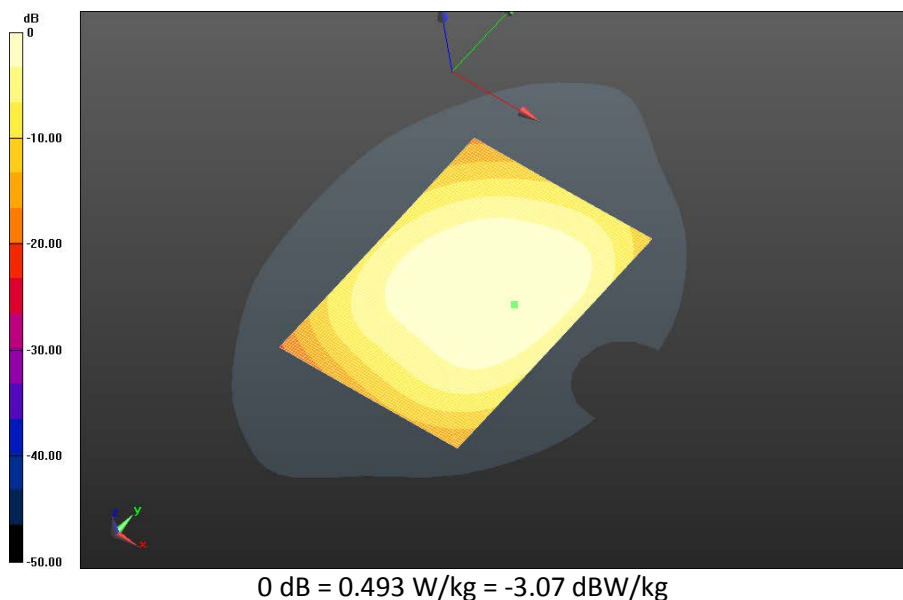
Maximum value of SAR (interpolated) = 0.564 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 5/15mm Device Back - LTE band**  
**5\_chan20525\_10MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.9C\_liq\_temp\_21.7C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 21.828 V/m; **Power Drift = 0.053 dB**

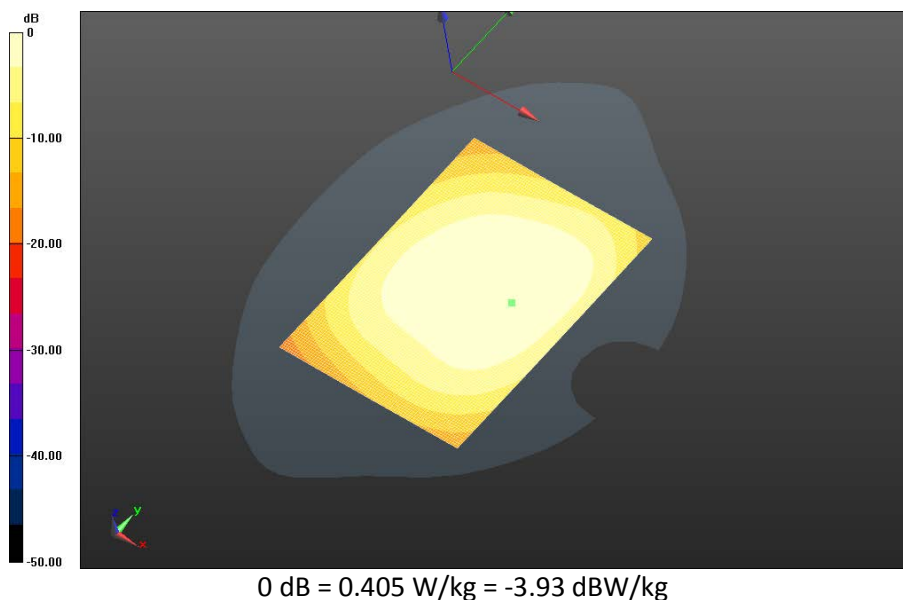
**Fast SAR: SAR(1g) = 0.433 W/kg; SAR(10g) = 0.306 W/kg**  
Maximum value of SAR (interpolated) = 0.493 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 5/15mm Device Back - LTE band**  
**5\_chan20600\_10MHz\_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 = 20.054 V/m; **Power Drift = -0.00497 dB**

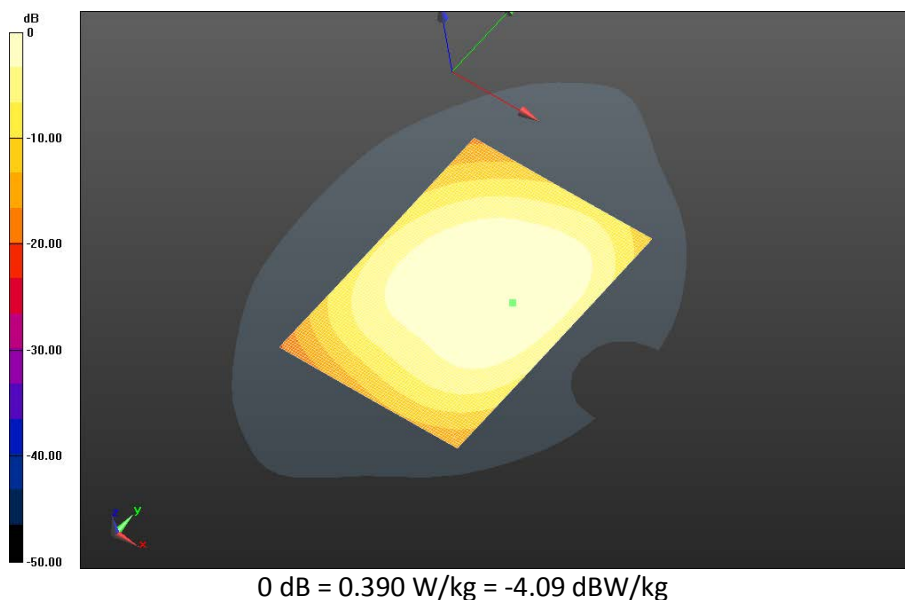
**Fast SAR: SAR(1g) = 0.357 W/kg; SAR(10g) = 0.254 W/kg**  
Maximum value of SAR (interpolated) = 0.405 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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**Body Worn MSL - LTE Band 5/15mm Device Back - LTE band**  
**5\_chan20450\_10MHz\_BW\_RB25\_Offset\_High\_amb\_temp\_23.7C\_liq\_temp\_21.6C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 19.427 V/m; **Power Drift = 0.044 dB**

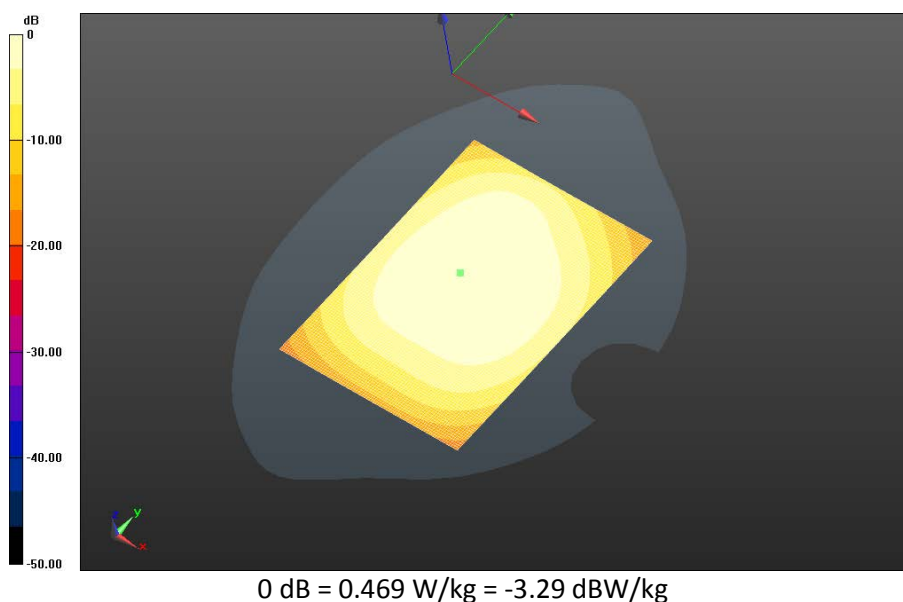
**Fast SAR: SAR(1g) = 0.344 W/kg; SAR(10g) = 0.243 W/kg**  
Maximum value of SAR (interpolated) = 0.390 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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**Body Worn MSL - LTE Band 5/15mm Device Front - LTE band 5\_chan20450\_10MHz\_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 = 22.267 V/m; **Power Drift = -0.000841 dB**

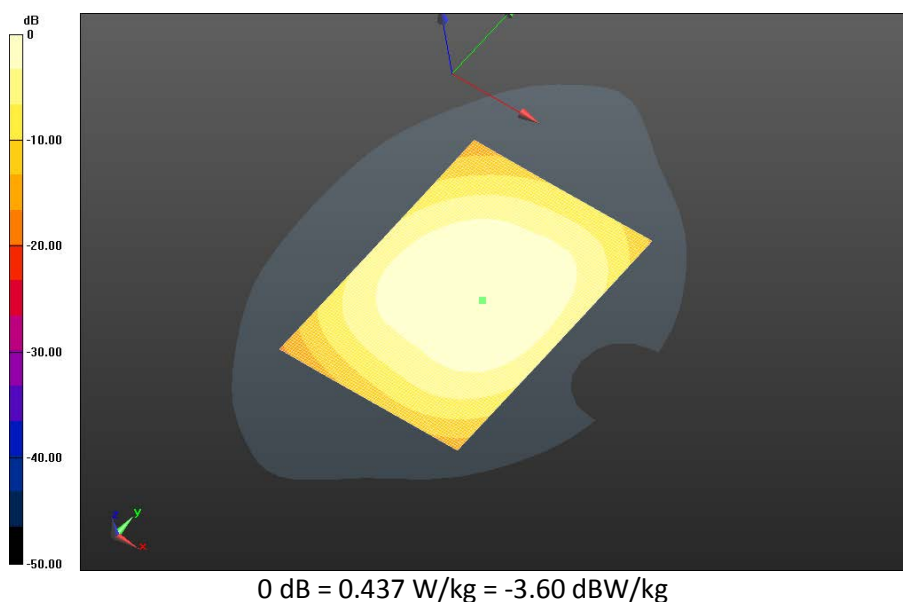
**Fast SAR: SAR(1g) = 0.414 W/kg; SAR(10g) = 0.293 W/kg**  
Maximum value of SAR (interpolated) = 0.469 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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**Body Worn MSL - LTE Band 5/Holster Device Back- LTE band**  
**5\_chan20450\_10MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.5C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 21.798 V/m; **Power Drift = 0.045 dB**

**Fast SAR: SAR(1g) = 0.387 W/kg; SAR(10g) = 0.275 W/kg**  
Maximum value of SAR (interpolated) = 0.437 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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## GSM 850

Date: 11/18/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### Configuration: Body Worn MSL - GPRS 850

Communication System: GPRS 850 (3 slots) (0); Communication System Band: GPRS 850 ( 3 slots); Frequency: 824.2 MHz

Medium Parameters used:  $f=825$  MHz;  $\sigma = 0.955$  S/m;  $\epsilon_r = 53.108$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 850/15mm Device Back - GPRS850\_3-

**slots\_chan128\_amb\_temp\_23.3C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.481 V/m; **Power Drift = 0.050 dB**

**Fast SAR: SAR(1g) = 0.544 W/kg; SAR(10g) = 0.387 W/kg**

Maximum value of SAR (interpolated) = 0.612 W/kg

### Body Worn MSL - GPRS 850/15mm Device Back - GPRS850\_3-

**slots\_chan128\_amb\_temp\_23.3C\_liq\_temp\_21.5C/Zoom Scan (26x26x36)/Cube 0:**

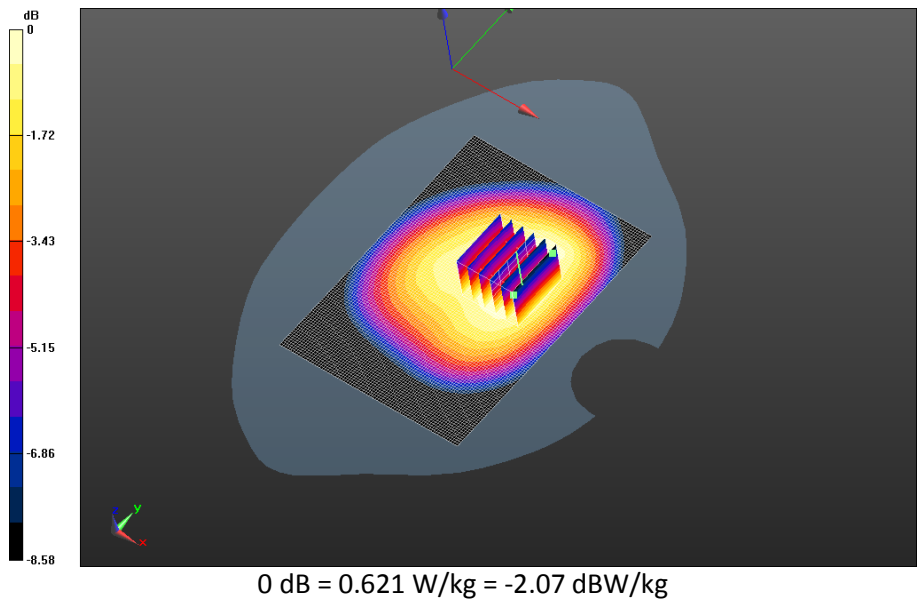
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 24.481 V/m; **Power Drift = 0.050 dB**

**Averaged SAR: SAR(1g) = 0.561 W/kg; SAR(10g) = 0.426 W/kg**

Maximum value of SAR (interpolated) = 0.732 W/kg

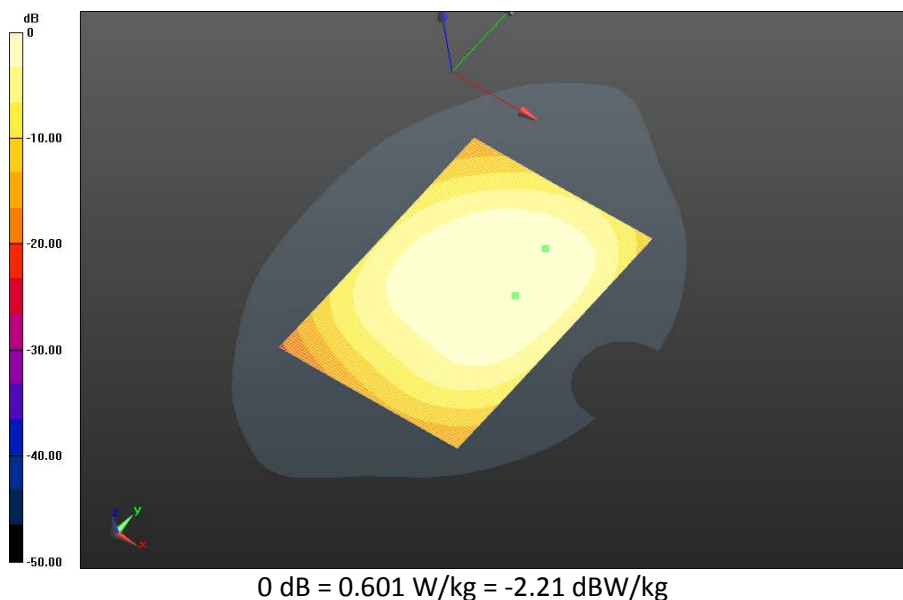




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**Body Worn MSL - GPRS 850/15mm Device Back - GPRS850\_3-slots\_chan190\_amb\_temp\_23.3C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 24.290 V/m; **Power Drift = 0.029 dB**

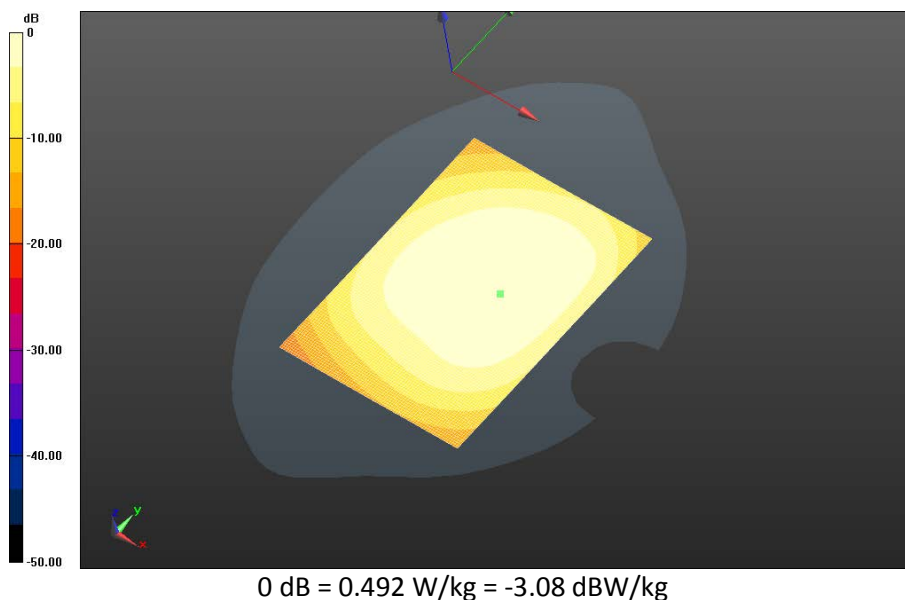
**Fast SAR: SAR(1g) = 0.532 W/kg; SAR(10g) = 0.378 W/kg**  
Maximum value of SAR (interpolated) = 0.601 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - GPRS 850/15mm Device Back - GPRS850\_3-slots\_chan251\_amb\_temp\_23.3C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 21.947 V/m; **Power Drift = -0.015 dB**

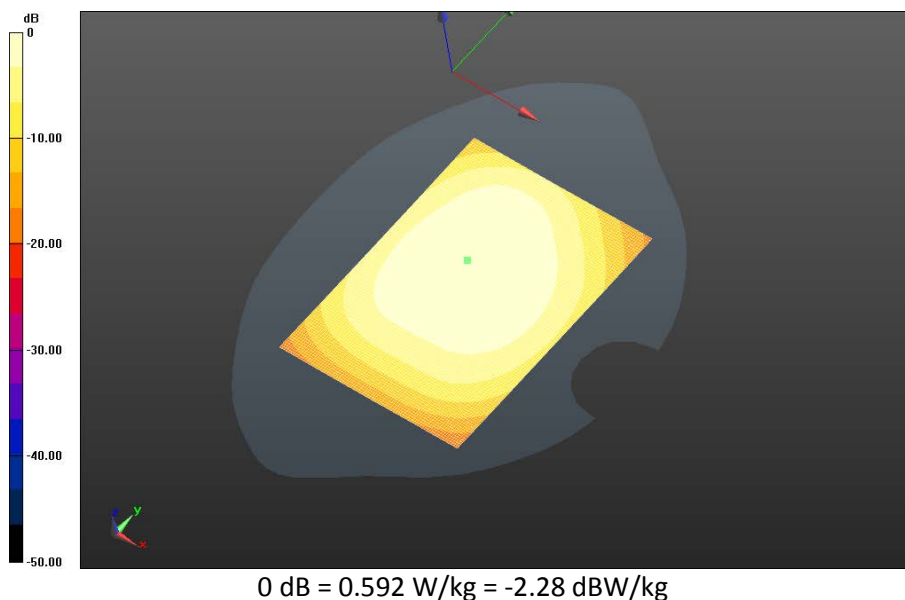
**Fast SAR: SAR(1g) = 0.433 W/kg; SAR(10g) = 0.307 W/kg**  
Maximum value of SAR (interpolated) = 0.492 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - GPRS 850/15mm Device Front - GPRS850\_3-slots\_chan128\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 24.621 V/m; **Power Drift = -0.024 dB**

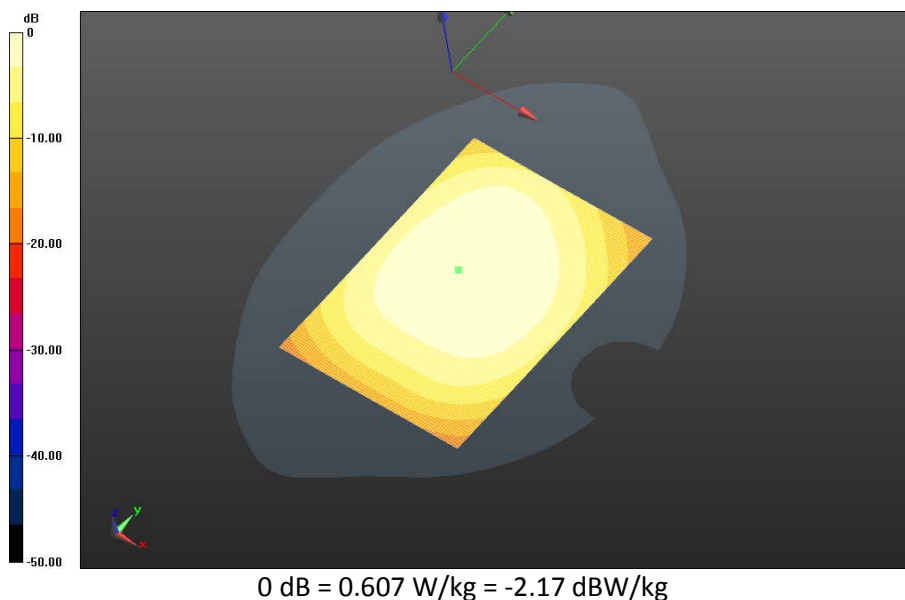
**Fast SAR: SAR(1g) = 0.525 W/kg; SAR(10g) = 0.373 W/kg**  
Maximum value of SAR (interpolated) = 0.592 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - GPRS 850/15mm Device Front - GPRS850\_3-slots\_chan190\_amb\_temp\_23.4C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 24.954 V/m; **Power Drift = -0.00895 dB**

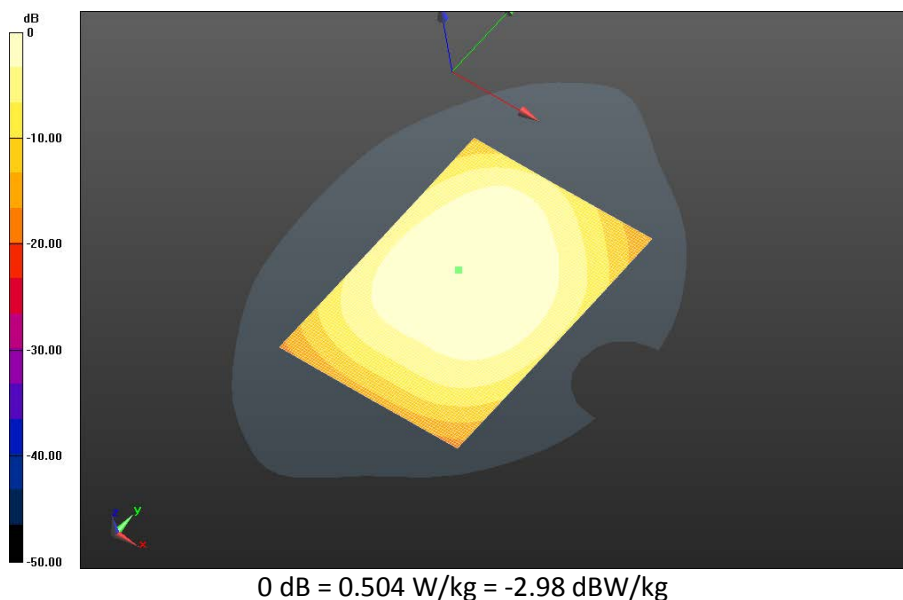
**Fast SAR: SAR(1g) = 0.536 W/kg; SAR(10g) = 0.380 W/kg**  
Maximum value of SAR (interpolated) = 0.607 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - GPRS 850/15mm Device Front - GPRS850\_3-slots\_chan251\_amb\_temp\_23.4C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 22.977 V/m; **Power Drift = -0.099 dB**

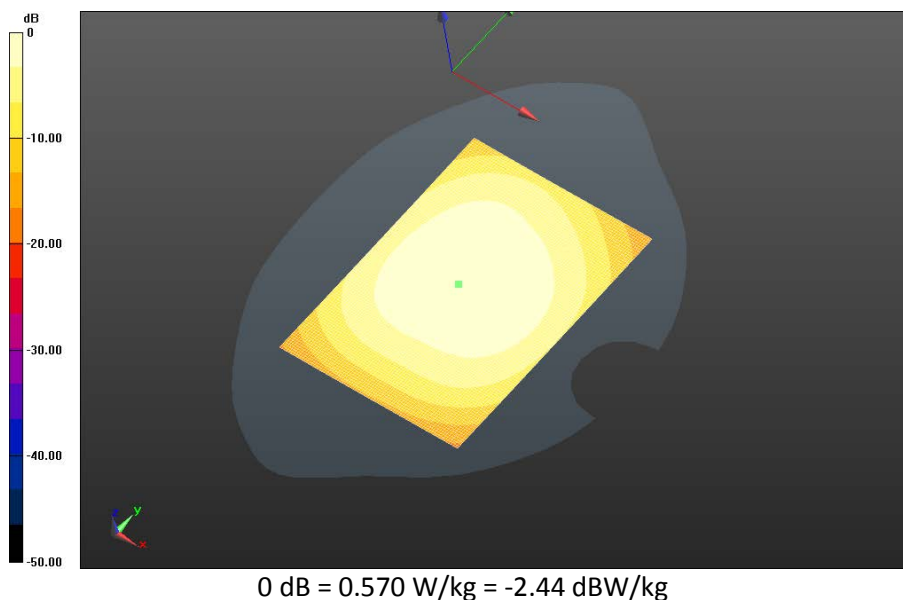
**Fast SAR: SAR(1g) = 0.445 W/kg; SAR(10g) = 0.315 W/kg**  
Maximum value of SAR (interpolated) = 0.504 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - GPRS 850/Holster Device Front - GPRS850\_3-slots\_chan190\_amb\_temp\_23.6C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 25.030 V/m; **Power Drift = -0.136 dB**

**Fast SAR: SAR(1g) = 0.504 W/kg; SAR(10g) = 0.356 W/kg**  
Maximum value of SAR (interpolated) = 0.570 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

# UMTS Band V

Date: 11/17/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D**

## Configuration: Body Worn MSL - UMTS Band V

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

Frequency: 826.4 MHz

Medium Parameters used:  $f=826.4$  MHz;  $\sigma = 0.957$  S/m;  $\epsilon_r = 53.099$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.09,6.09,6.09); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 V/15mm Device Back - UMTS band

**V\_chan4132\_amb\_temp\_22.9C\_liq\_temp\_21.9C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 25.428 V/m; **Power Drift = 0.021 dB**

**Fast SAR: SAR(1g) = 0.595 W/kg; SAR(10g) = 0.420 W/kg**

Maximum value of SAR (interpolated) = 0.674 W/kg

### Body Worn MSL - UMTS Band V/15mm Device Back - UMTS band

**V\_chan4132\_amb\_temp\_22.9C\_liq\_temp\_21.9C/Zoom Scan (26x26x36)/Cube 0:** Interpolated

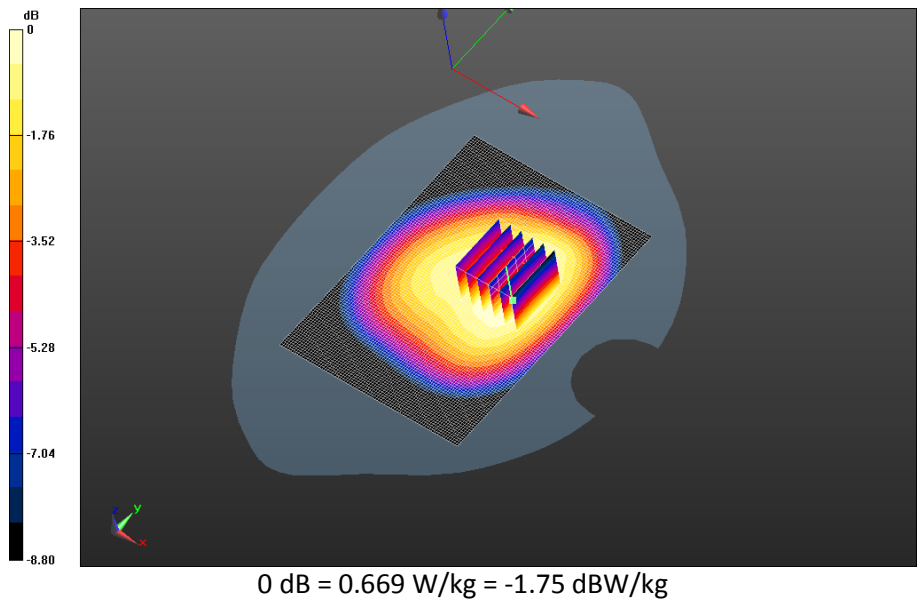
grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 25.428 V/m; **Power Drift = 0.021 dB**

**Averaged SAR: SAR(1g) = 0.608 W/kg; SAR(10g) = 0.458 W/kg**

Maximum value of SAR (interpolated) = 0.791 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

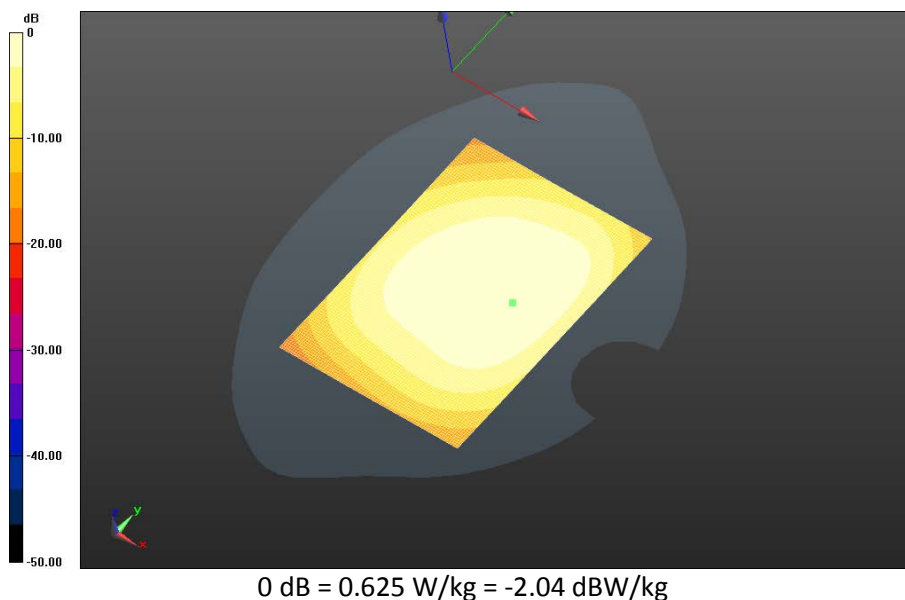
**V\_chan4182\_amb\_temp\_23.6C\_liq\_temp\_21.8C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.563 V/m; **Power Drift = -0.068 dB**

**Fast SAR: SAR(1g) = 0.549 W/kg; SAR(10g) = 0.388 W/kg**

Maximum value of SAR (interpolated) = 0.625 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

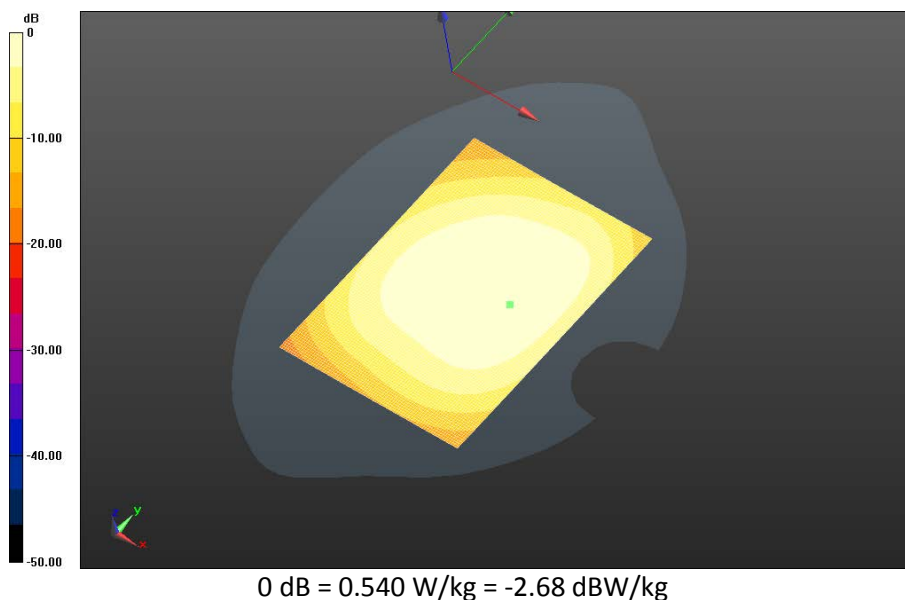
**V\_chan4233\_amb\_temp\_23.6C\_liq\_temp\_21.9C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 22.980 V/m; **Power Drift = 0.007 dB**

**Fast SAR: SAR(1g) = 0.477 W/kg; SAR(10g) = 0.337 W/kg**

Maximum value of SAR (interpolated) = 0.540 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

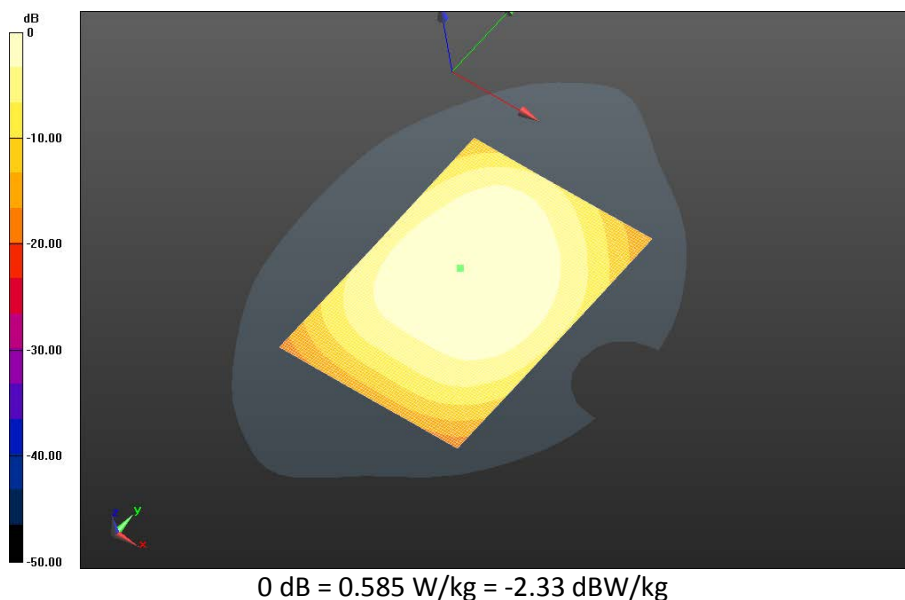
**V\_chan4182\_amb\_temp\_23.7C\_liq\_temp\_21.8C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.759 V/m; **Power Drift = -0.039 dB**

**Fast SAR: SAR(1g) = 0.517 W/kg; SAR(10g) = 0.367 W/kg**

Maximum value of SAR (interpolated) = 0.585 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - UMTS Band V/Holster Device Back - UMTS band**

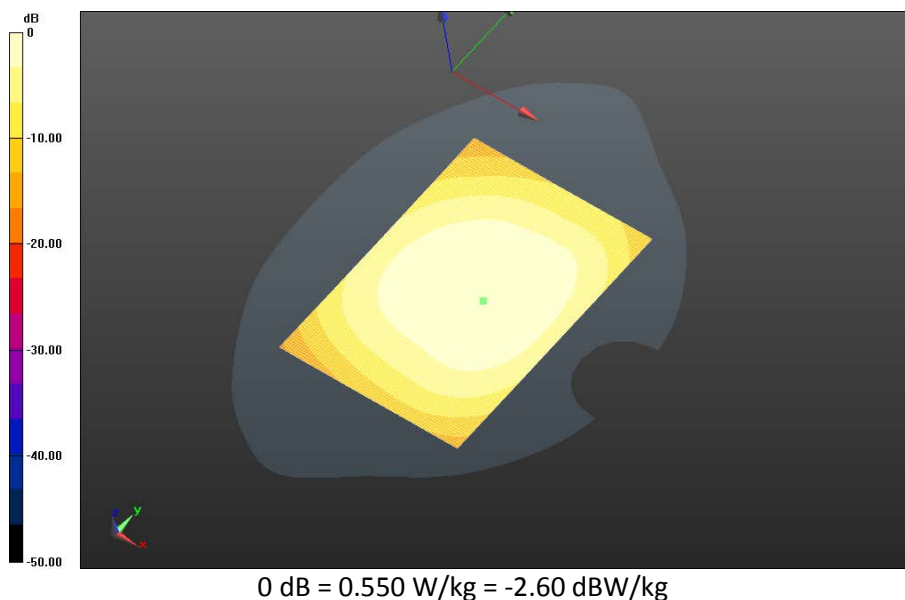
**V\_chan4182\_amb\_temp\_23.7C\_liq\_temp\_21.8C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 24.458 V/m; **Power Drift = -0.017 dB**

**Fast SAR: SAR(1g) = 0.486 W/kg; SAR(10g) = 0.345 W/kg**

Maximum value of SAR (interpolated) = 0.550 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## LTE Band 4

Date: 11/13/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### Configuration: Body Worn MSL - LTE Band 4

Communication System: LTE 4 (0); Communication System Band: LTE 4; Frequency: 1720 MHz

Medium Parameters used:  $f=1720$  MHz;  $\sigma = 1.505$  S/m;  $\epsilon_r = 50.864$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 4/15mm Device Back - LTE band

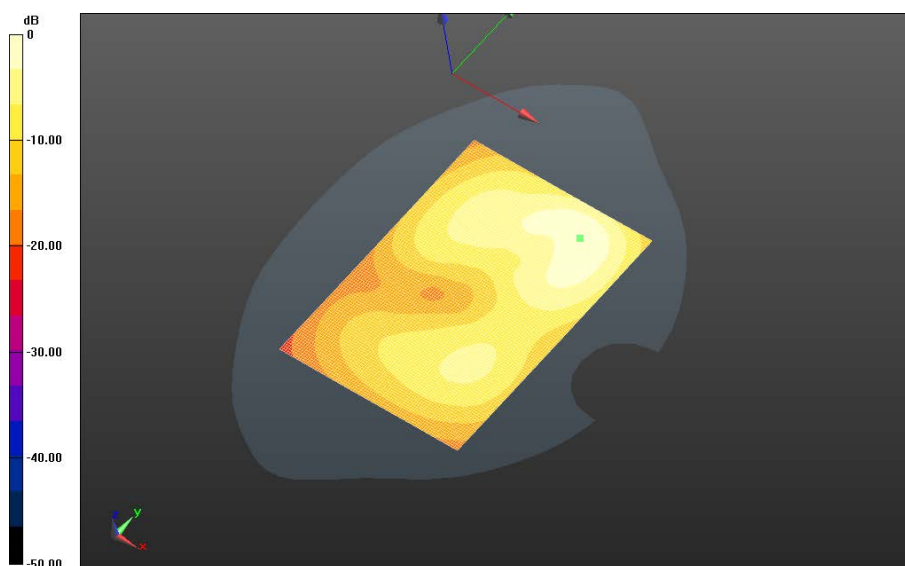
**4\_chan20050\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.8C/Area Scan**

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

Reference Value = 4.723 V/m; **Power Drift = 0.269 dB**

**Fast SAR: SAR(1g) = 0.686 W/kg; SAR(10g) = 0.390 W/kg**

Maximum value of SAR (interpolated) = 0.866 W/kg



|                                                                                   |                                               |                                                                                                          |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                       |

0 dB = 0.866 W/kg = -0.62 dBW/kg

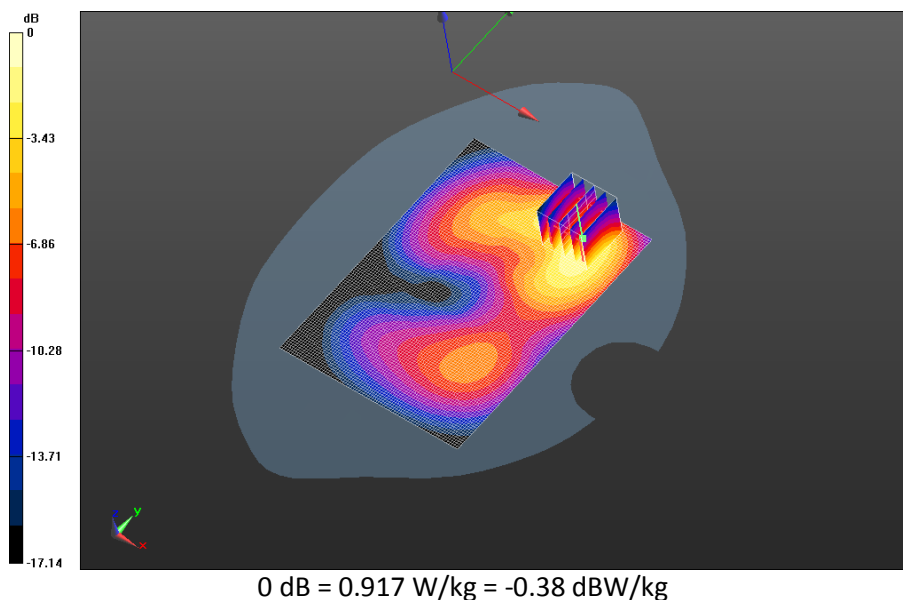
|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 4/15mm Device Back - LTE band  
4\_chan20175\_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 = 4.763 V/m; **Power Drift = 0.168 dB**

**Fast SAR: SAR(1g) = 0.699 W/kg; SAR(10g) = 0.398 W/kg**  
Maximum value of SAR (interpolated) = 0.884 W/kg

**Body Worn MSL - LTE Band 4/15mm Device Back - LTE band  
4\_chan20175\_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 = 4.763 V/m; **Power Drift = 0.168 dB**

**Averaged SAR: SAR(1g) = 0.758 W/kg; SAR(10g) = 0.438 W/kg**  
Maximum value of SAR (interpolated) = 1.21 W/kg

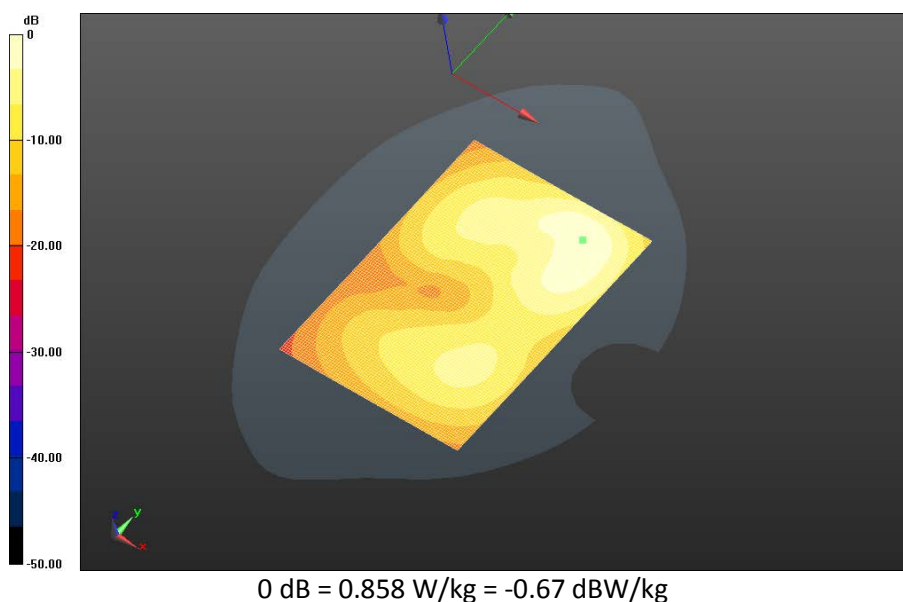




|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 4/15mm Device Back - LTE band 4\_chan20300\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 4.987 V/m; **Power Drift = 0.041 dB**

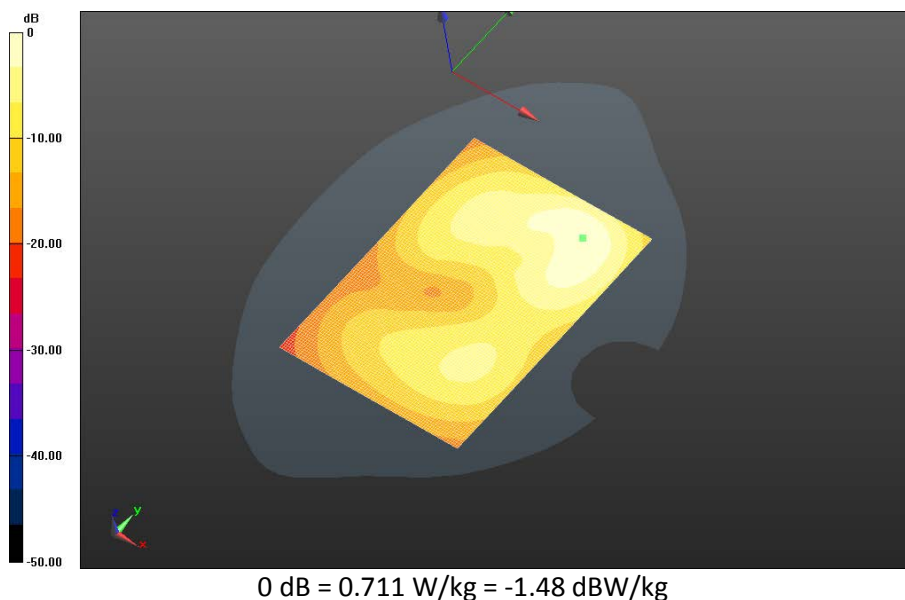
**Fast SAR: SAR(1g) = 0.679 W/kg; SAR(10g) = 0.389 W/kg**  
Maximum value of SAR (interpolated) = 0.858 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 4/15mm Device Back - LTE band**  
**4\_chan20175\_20MHz\_BW\_RB50\_Offset\_High\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 4.308 V/m; **Power Drift = 0.063 dB**

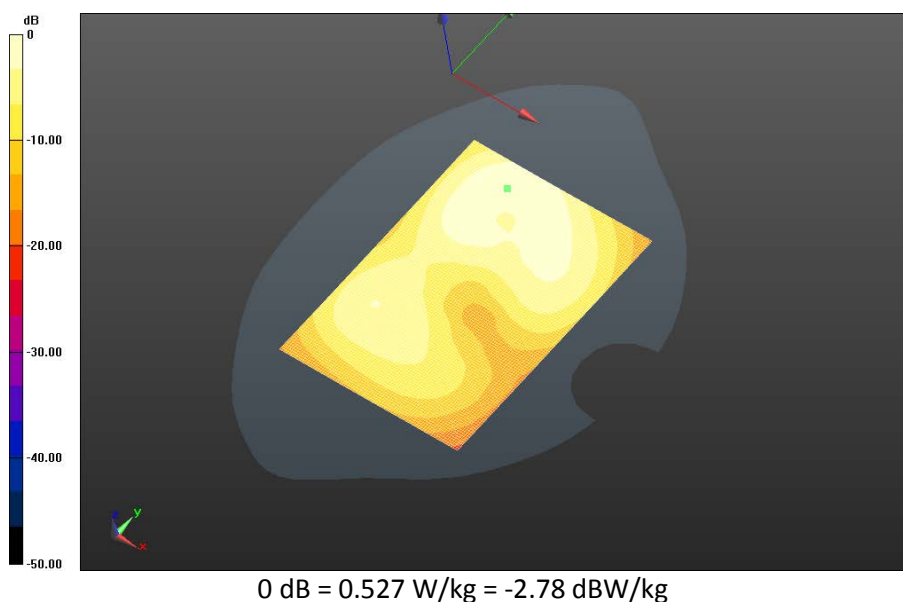
**Fast SAR: SAR(1g) = 0.563 W/kg; SAR(10g) = 0.320 W/kg**  
Maximum value of SAR (interpolated) = 0.711 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 4/15mm Device Front - LTE band 4\_chan20175\_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 = 4.645 V/m; **Power Drift = 0.029 dB**

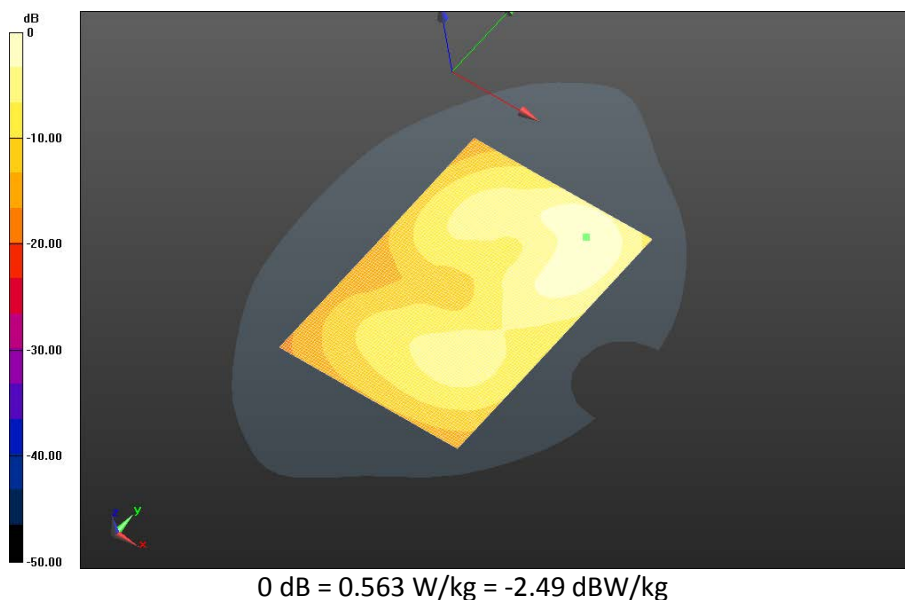
**Fast SAR: SAR(1g) = 0.432 W/kg; SAR(10g) = 0.259 W/kg**  
Maximum value of SAR (interpolated) = 0.527 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 4/Holster Device Back- LTE band 4\_chan20175\_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 = 6.021 V/m; **Power Drift = 0.015 dB**

**Fast SAR: SAR(1g) = 0.455 W/kg; SAR(10g) = 0.264 W/kg**  
Maximum value of SAR (interpolated) = 0.563 W/kg



|                                                                                   |                                               |                                                                                                          |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## UMTS Band IV

Date: 11/14/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### 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;  $\sigma = 1.498$  S/m;  $\epsilon_r = 50.884$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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 band

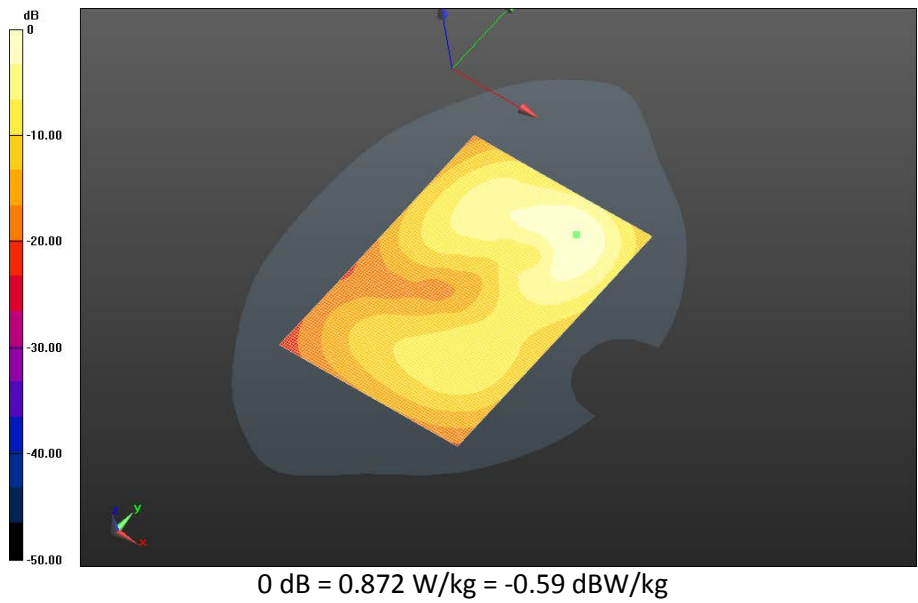
**IV\_chan1312\_amb\_temp\_23.4C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:

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

Reference Value = 4.222 V/m; **Power Drift = 0.079 dB**

**Fast SAR: SAR(1g) = 0.694 W/kg; SAR(10g) = 0.397 W/kg**

Maximum value of SAR (interpolated) = 0.872 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

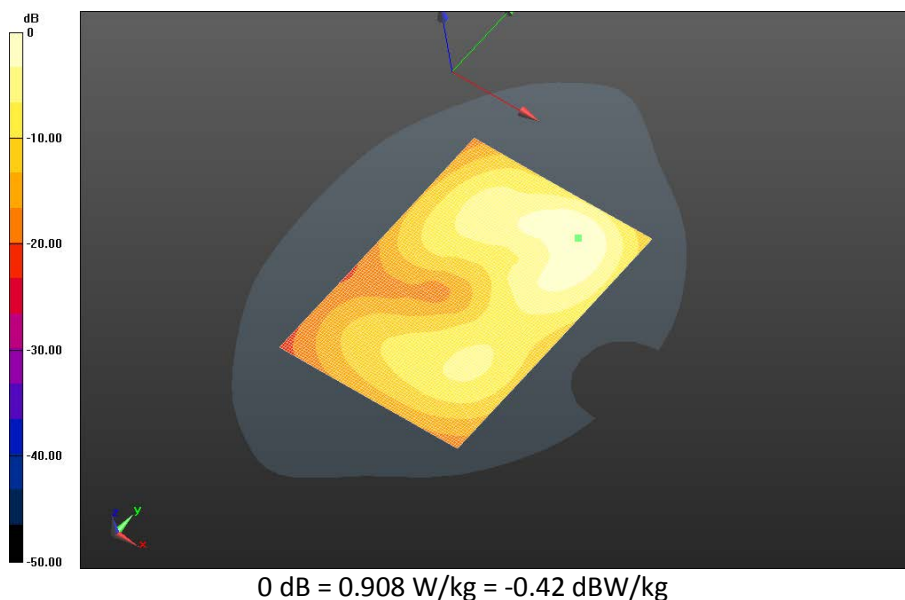
**IV\_chan1413\_amb\_temp\_23.1C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 5.012 V/m; **Power Drift = -0.061 dB**

**Fast SAR: SAR(1g) = 0.724 W/kg; SAR(10g) = 0.419 W/kg**

Maximum value of SAR (interpolated) = 0.908 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

**IV\_chan1513\_amb\_temp\_23.1C\_liq\_temp\_21.6C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 5.799 V/m; **Power Drift = -0.110 dB**

**Fast SAR: SAR(1g) = 0.756 W/kg; SAR(10g) = 0.443 W/kg**

Maximum value of SAR (interpolated) = 0.946 W/kg

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

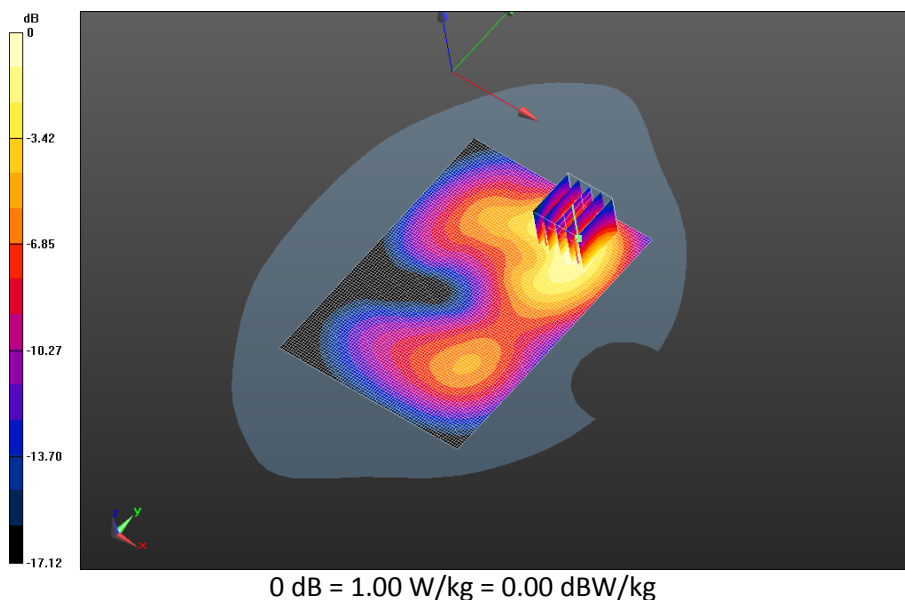
**IV\_chan1513\_amb\_temp\_23.1C\_liq\_temp\_21.6C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

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

Reference Value = 5.799 V/m; **Power Drift = -0.110 dB**

**Averaged SAR: SAR(1g) = 0.828 W/kg; SAR(10g) = 0.478 W/kg**

Maximum value of SAR (interpolated) = 1.33 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

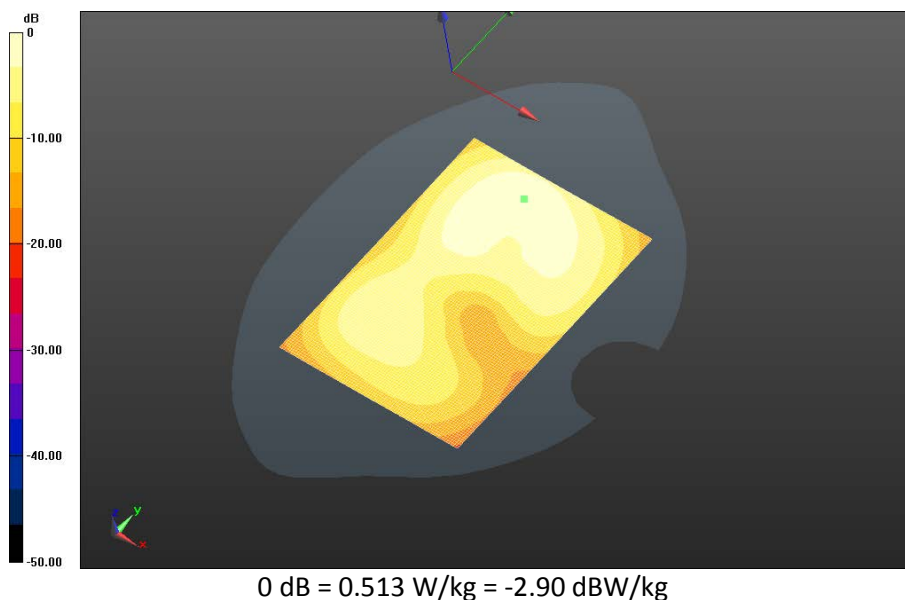
**IV\_chan1413\_amb\_temp\_23.0C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 5.862 V/m; **Power Drift = 0.049 dB**

**Fast SAR: SAR(1g) = 0.407 W/kg; SAR(10g) = 0.233 W/kg**

Maximum value of SAR (interpolated) = 0.513 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

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

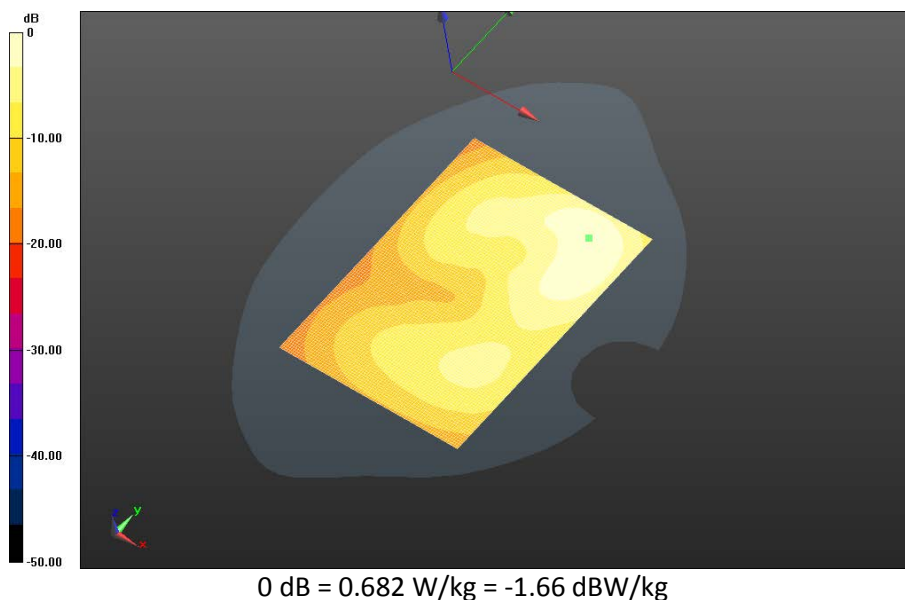
**IV\_chan1413\_amb\_temp\_23.0C\_liq\_temp\_21.5C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 5.630 V/m; **Power Drift = -0.059 dB**

**Fast SAR: SAR(1g) = 0.548 W/kg; SAR(10g) = 0.317 W/kg**

Maximum value of SAR (interpolated) = 0.682 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## LTE Band 2

Date: 11/13/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### 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;  $\sigma = 1.530$  S/m;  $\epsilon_r = 52.293$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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\_Low\_amb\_temp\_23.9C\_liq\_temp\_21.8C/Area Scan**

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

Reference Value = 5.382 V/m; **Power Drift = 0.175 dB**

**Fast SAR: SAR(1g) = 0.477 W/kg; SAR(10g) = 0.286 W/kg**

Maximum value of SAR (interpolated) = 0.590 W/kg

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

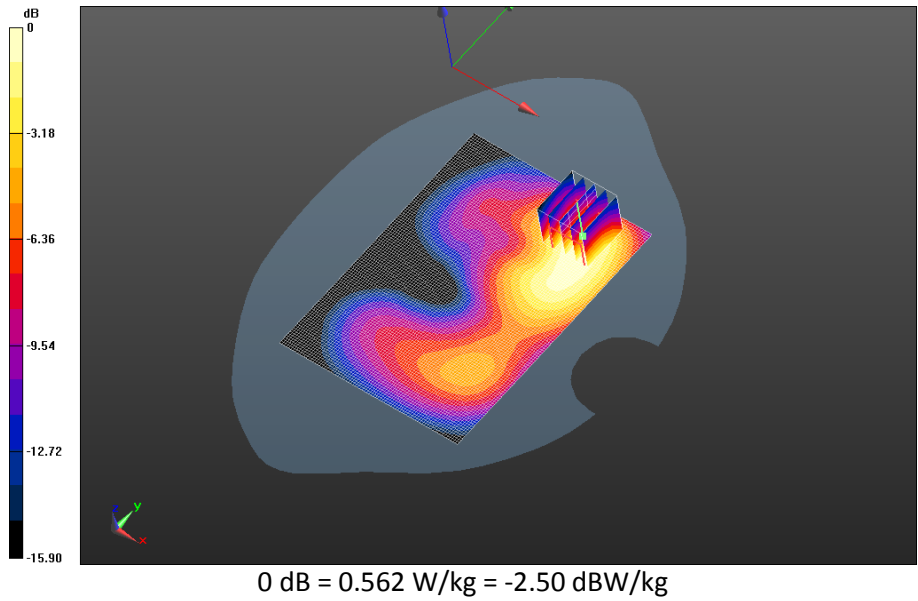
**2\_chan18700\_20MHz\_BW\_RB1\_Offset\_Low\_amb\_temp\_23.9C\_liq\_temp\_21.8C/Zoom Scan**

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

Reference Value = 5.382 V/m; **Power Drift = 0.175 dB**

**Averaged SAR: SAR(1g) = 0.469 W/kg; SAR(10g) = 0.279 W/kg**

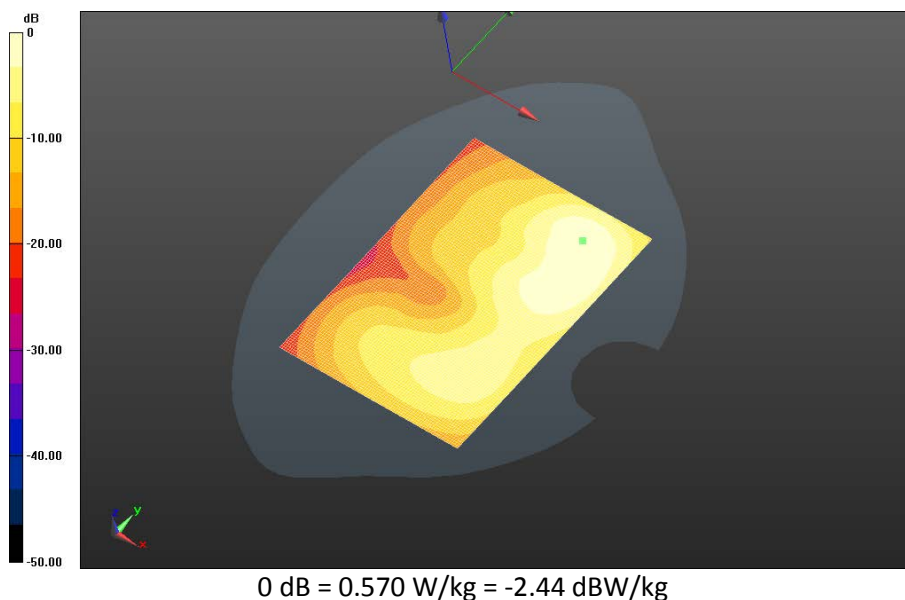
Maximum value of SAR (interpolated) = 0.744 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</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\_21.8C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.858 V/m; **Power Drift = 0.055 dB**

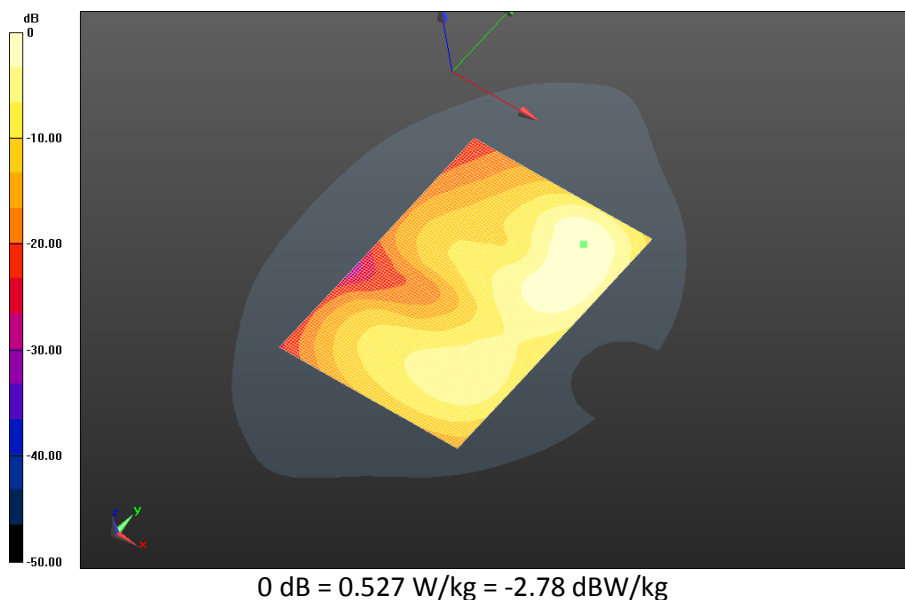
**Fast SAR: SAR(1g) = 0.465 W/kg; SAR(10g) = 0.280 W/kg**  
Maximum value of SAR (interpolated) = 0.570 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 2/15mm Device Back - LTE band**  
**2\_chan19100\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.907 V/m; **Power Drift = 0.104 dB**

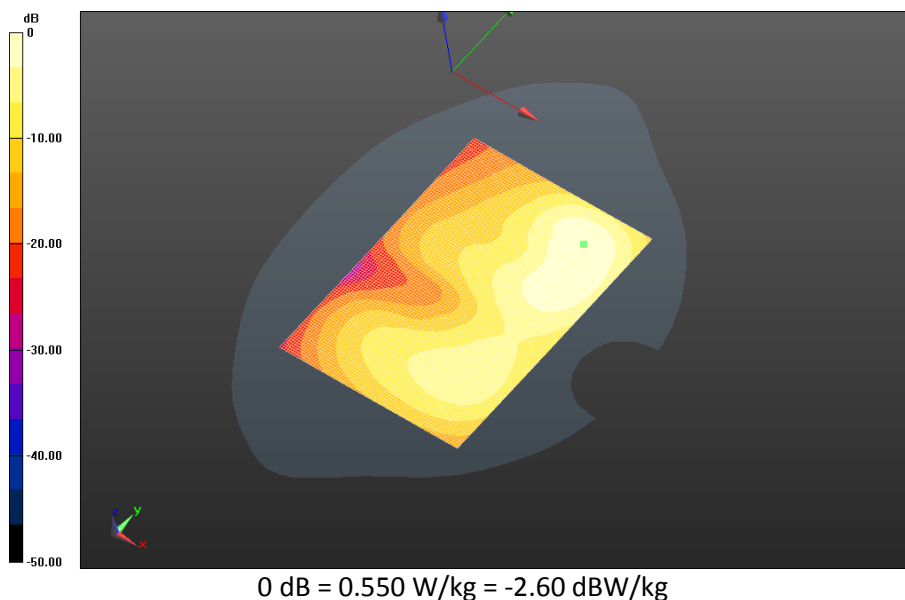
**Fast SAR: SAR(1g) = 0.434 W/kg; SAR(10g) = 0.259 W/kg**  
Maximum value of SAR (interpolated) = 0.527 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 2/15mm Device Back - LTE band**  
**2\_chan19100\_20MHz\_BW\_RB50\_Offset\_Low\_amb\_temp\_23.3C\_liq\_temp\_21.6C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.936 V/m; **Power Drift = 0.052 dB**

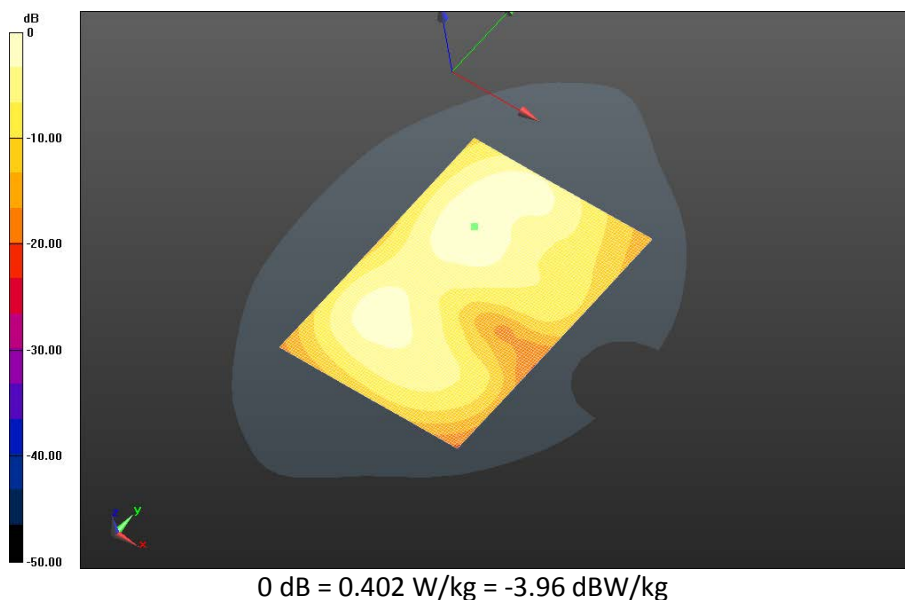
**Fast SAR: SAR(1g) = 0.453 W/kg; SAR(10g) = 0.271 W/kg**  
Maximum value of SAR (interpolated) = 0.550 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 2/15mm Device Front - LTE band 2\_chan19100\_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 = 7.083 V/m; **Power Drift = -0.019 dB**

**Fast SAR: SAR(1g) = 0.332 W/kg; SAR(10g) = 0.196 W/kg**  
Maximum value of SAR (interpolated) = 0.402 W/kg

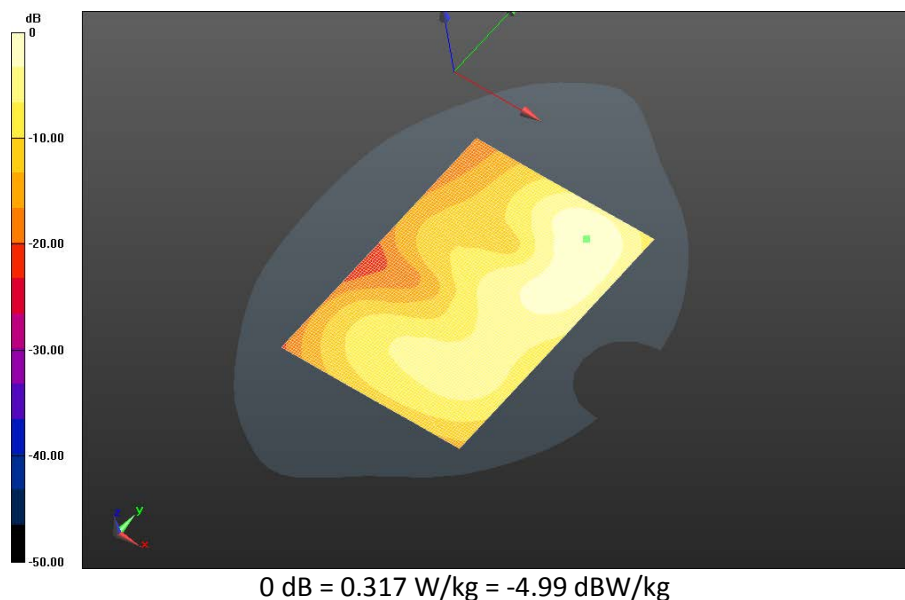




|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - LTE Band 2/Holster Device Back- LTE band**  
**2\_chan19100\_20MHz\_BW\_RB1\_Offset\_High\_amb\_temp\_23.6C\_liq\_temp\_21.5C/Area Scan**  
**(121x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.306 V/m; **Power Drift = 0.077 dB**

**Fast SAR: SAR(1g) = 0.255 W/kg; SAR(10g) = 0.146 W/kg**  
Maximum value of SAR (interpolated) = 0.317 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

# GSM 1900

Date: 11/12/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

## Configuration: Body Worn MSL - DTM 1900

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

Frequency: 1850.2 MHz

Medium Parameters used:  $f=1850.2$  MHz;  $\sigma = 1.522$  S/m;  $\epsilon_r = 52.330$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### Body Worn MSL - DTM 1900/15mm Device Back - GPRS1900\_2-

**slots\_chan512\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 4.358 V/m; **Power Drift = 0.00324 dB**

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

Maximum value of SAR (interpolated) = 0.517 W/kg

### Body Worn MSL - DTM 1900/15mm Device Back - GPRS1900\_2-

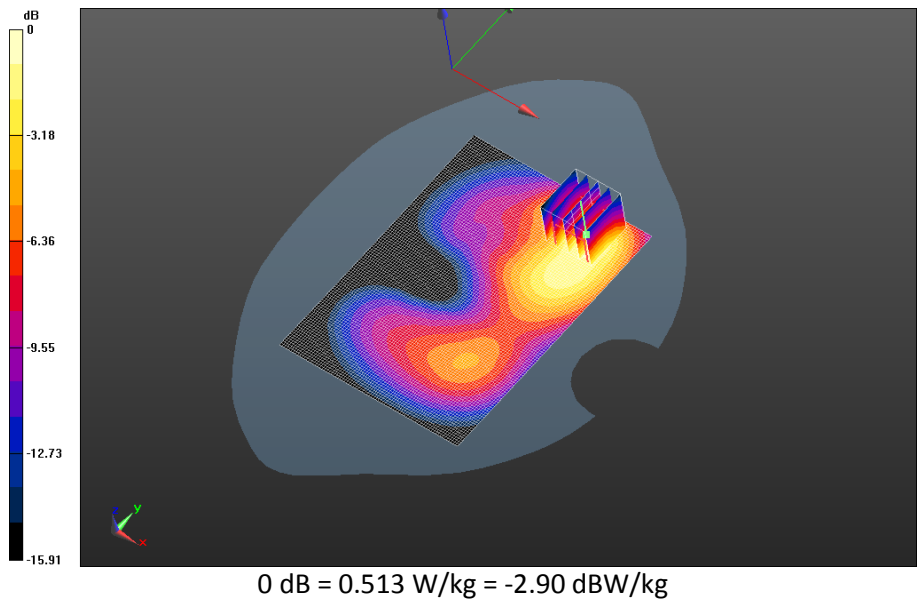
**slots\_chan512\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Zoom Scan (21x21x36)/Cube 0:**

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

Reference Value = 4.358 V/m; **Power Drift = 0.00324 dB**

**Averaged SAR: SAR(1g) = 0.424 W/kg; SAR(10g) = 0.252 W/kg**

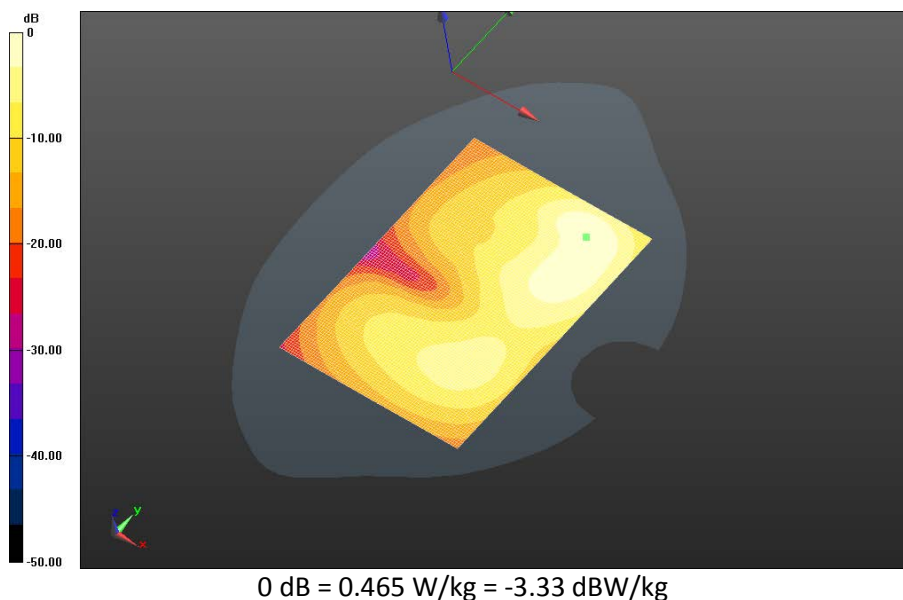
Maximum value of SAR (interpolated) = 0.673 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - DTM 1900/15mm Device Back - GPRS1900\_2-slots\_chan661\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 4.427 V/m; **Power Drift = -0.058 dB**

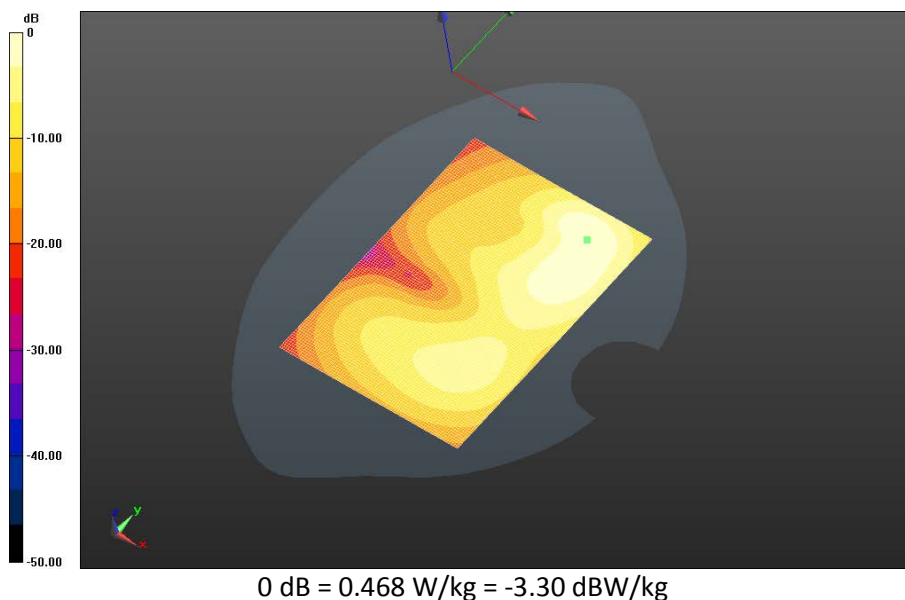
**Fast SAR: SAR(1g) = 0.368 W/kg; SAR(10g) = 0.207 W/kg**  
Maximum value of SAR (interpolated) = 0.465 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - DTM 1900/15mm Device Back - GPRS1900\_2-slots\_chan810\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 4.713 V/m; **Power Drift = 0.022 dB**

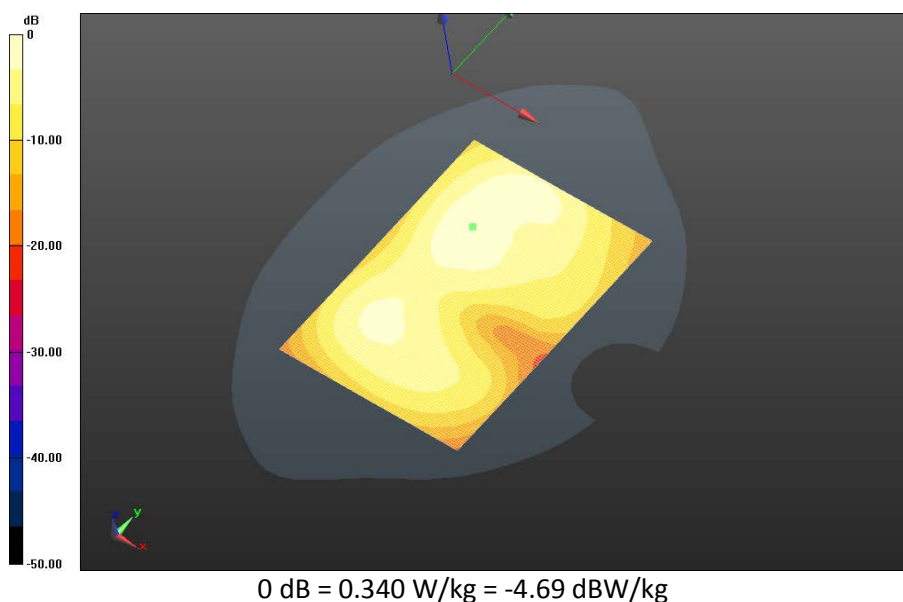
**Fast SAR: SAR(1g) = 0.368 W/kg; SAR(10g) = 0.209 W/kg**  
Maximum value of SAR (interpolated) = 0.468 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - DTM 1900/15mm Device Front - GPRS1900\_2-slots\_chan661\_amb\_temp\_23.1C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 6.680 V/m; **Power Drift = 0.014 dB**

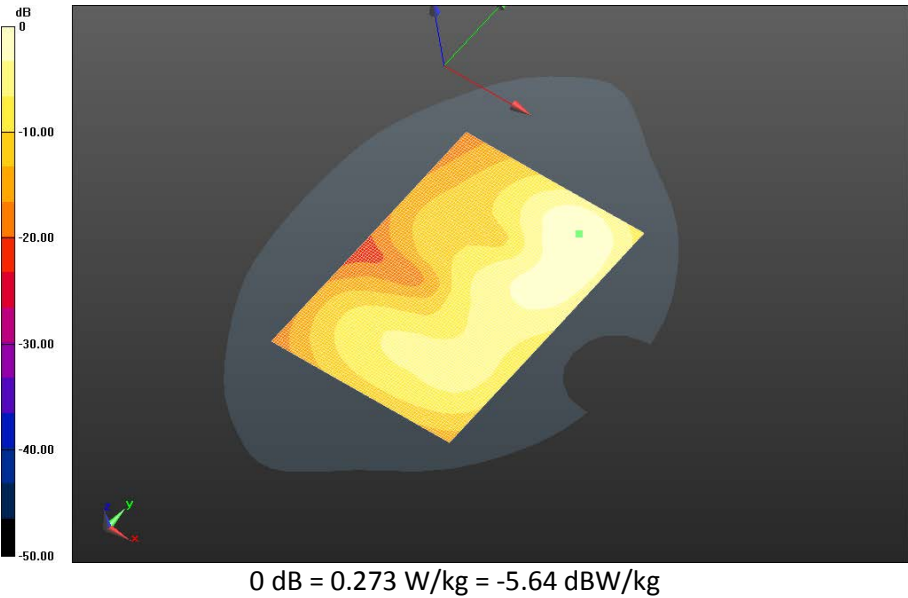
**Fast SAR: SAR(1g) = 0.280 W/kg; SAR(10g) = 0.167 W/kg**  
Maximum value of SAR (interpolated) = 0.340 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - DTM 1900/Holster Device Back - GPRS1900\_2-slots\_chan661\_amb\_temp\_23.0C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 5.410 V/m; **Power Drift = 0.139 dB**

**Fast SAR: SAR(1g) = 0.221 W/kg; SAR(10g) = 0.129 W/kg**  
Maximum value of SAR (interpolated) = 0.273 W/kg



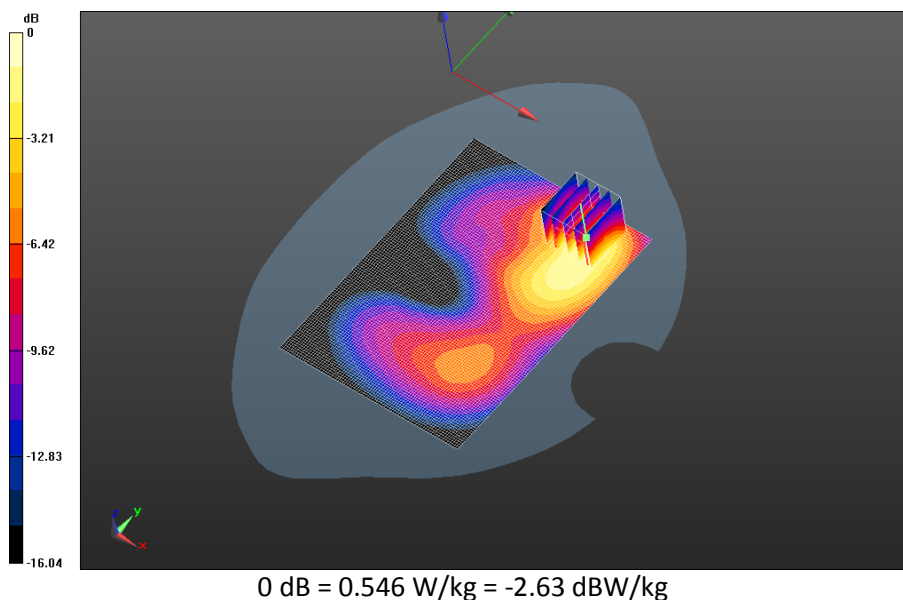
|                                                                                   |                                               |                                                                                                     |                               |                       |
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|  |                                               | Document<br><b>Appendix C2 for the BlackBerry® Smartphone Model RGV161LW (SQW100-03) SAR Report</b> |                               | Page<br><b>56(88)</b> |
| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - DTM 1900/2nd Scan 15mm Device Back - GPRS1900\_2-slots\_chan512\_amb\_temp\_23.3C\_liq\_temp\_21.7C/Area Scan (121x171x1):** Interpolated grid:  
dx=1.500 mm, dy=1.500 mm  
Reference Value = 4.486 V/m; **Power Drift = 0.014 dB**

**Fast SAR: SAR(1g) = 0.432 W/kg; SAR(10g) = 0.244 W/kg**  
Maximum value of SAR (interpolated) = 0.548 W/kg

**Body Worn MSL - DTM 1900/2nd Scan 15mm Device Back - GPRS1900\_2-slots\_chan512\_amb\_temp\_23.3C\_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 = 4.486 V/m; **Power Drift = 0.014 dB**

**Averaged SAR: SAR(1g) = 0.450 W/kg; SAR(10g) = 0.265 W/kg**  
Maximum value of SAR (interpolated) = 0.715 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## UMTS Band II

Date: 11/11/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D**

### Configuration: Body Worn MSL - UMTS II

Communication System: WCDMA FDD II (0); Communication System Band: UMTS FDD II;

Frequency: 1852.4 MHz

Medium Parameters used:  $f=1852.4$  MHz;  $\sigma = 1.523$  S/m;  $\epsilon_r = 52.324$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.93,4.93,4.93); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- 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/15mm Device Back - UMTS

**II\_chan9262\_amb\_temp\_24.1C\_liq\_temp\_22.3C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 6.165 V/m; **Power Drift = -0.00106 dB**

**Fast SAR: SAR(1g) = 0.782 W/kg; SAR(10g) = 0.443 W/kg**

Maximum value of SAR (interpolated) = 0.988 W/kg

### Body Worn MSL - UMTS II/15mm Device Back - UMTS

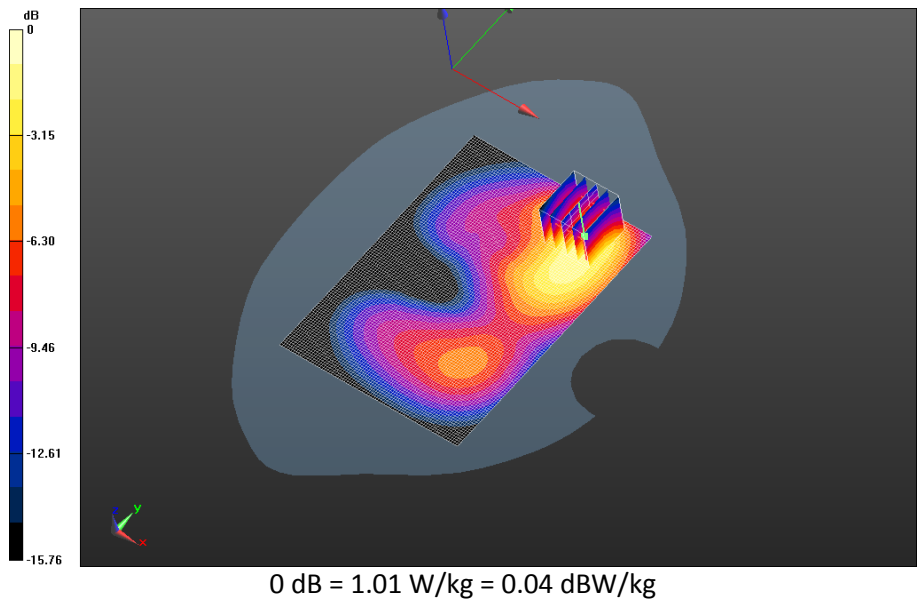
**II\_chan9262\_amb\_temp\_24.1C\_liq\_temp\_22.3C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

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

Reference Value = 6.165 V/m; **Power Drift = -0.00106 dB**

**Averaged SAR: SAR(1g) = 0.832 W/kg; SAR(10g) = 0.489 W/kg**

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



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - UMTS II/15mm Device Back - UMTS**

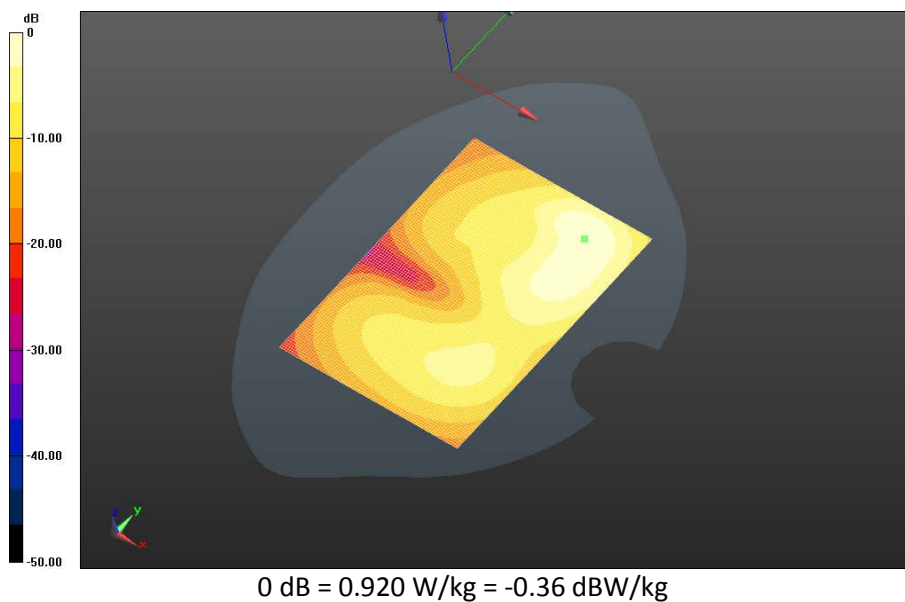
**II\_chan9400\_amb\_temp\_24.1C\_liq\_temp\_22.4C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 6.182 V/m; **Power Drift = 0.013 dB**

**Fast SAR: SAR(1g) = 0.725 W/kg; SAR(10g) = 0.406 W/kg**

Maximum value of SAR (interpolated) = 0.920 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - UMTS II/15mm Device Back - UMTS**

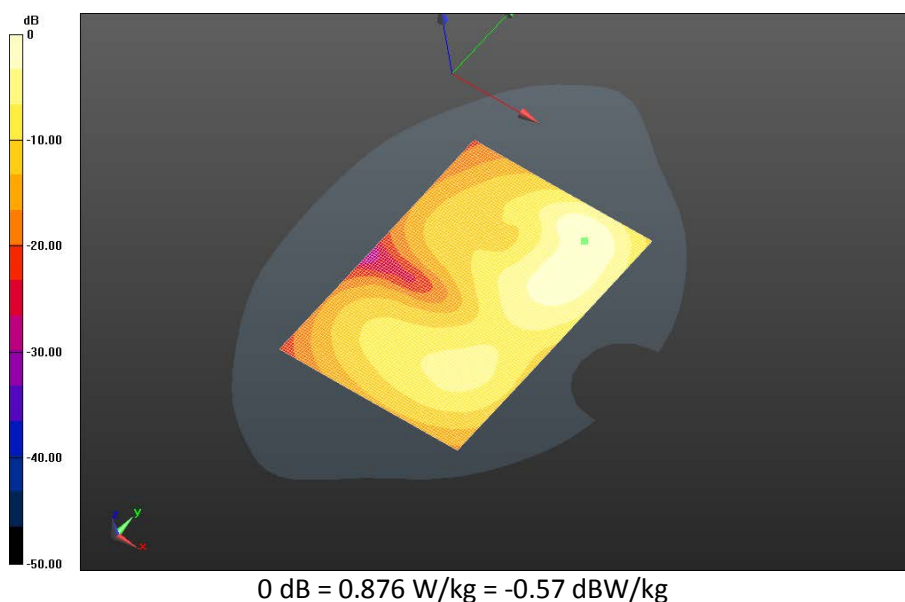
**II\_chan9538\_amb\_temp\_24.1C\_liq\_temp\_22.4C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 6.669 V/m; **Power Drift = -0.044 dB**

**Fast SAR: SAR(1g) = 0.687 W/kg; SAR(10g) = 0.385 W/kg**

Maximum value of SAR (interpolated) = 0.876 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - UMTS II/15mm Device Front - UMTS**

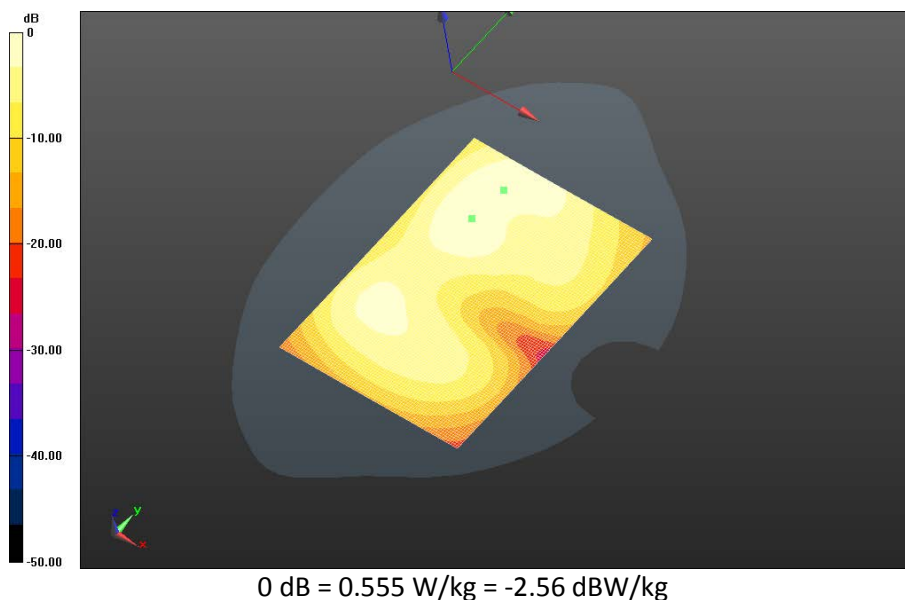
**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 6.439 V/m; **Power Drift = -0.020 dB**

**Fast SAR: SAR(1g) = 0.457 W/kg; SAR(10g) = 0.270 W/kg**

Maximum value of SAR (interpolated) = 0.555 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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**Body Worn MSL - UMTS II/Holster Device Back - UMTS**

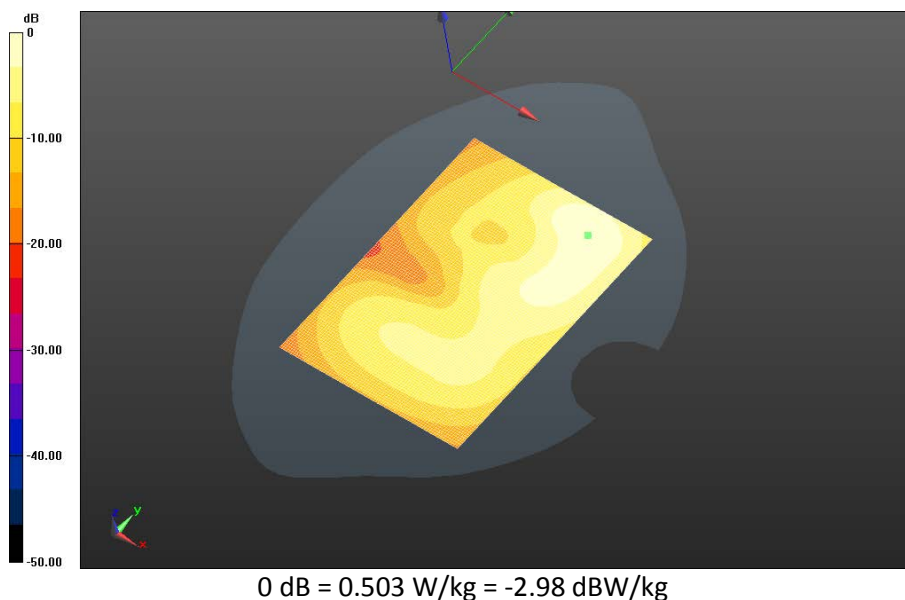
**II\_chan9400\_amb\_temp\_23.8C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 7.433 V/m; **Power Drift = 0.054 dB**

**Fast SAR: SAR(1g) = 0.406 W/kg; SAR(10g) = 0.229 W/kg**

Maximum value of SAR (interpolated) = 0.503 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - UMTS II/2nd Scan 15mm Device Back - UMTS**

**II\_chan9262\_amb\_temp\_23.9C\_liq\_temp\_22.2C/Area Scan (121x171x1):** Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 6.122 V/m; **Power Drift = 0.185 dB**

**Fast SAR: SAR(1g) = 0.770 W/kg; SAR(10g) = 0.434 W/kg**

Maximum value of SAR (interpolated) = 0.973 W/kg

**Body Worn MSL - UMTS II/2nd Scan 15mm Device Back - UMTS**

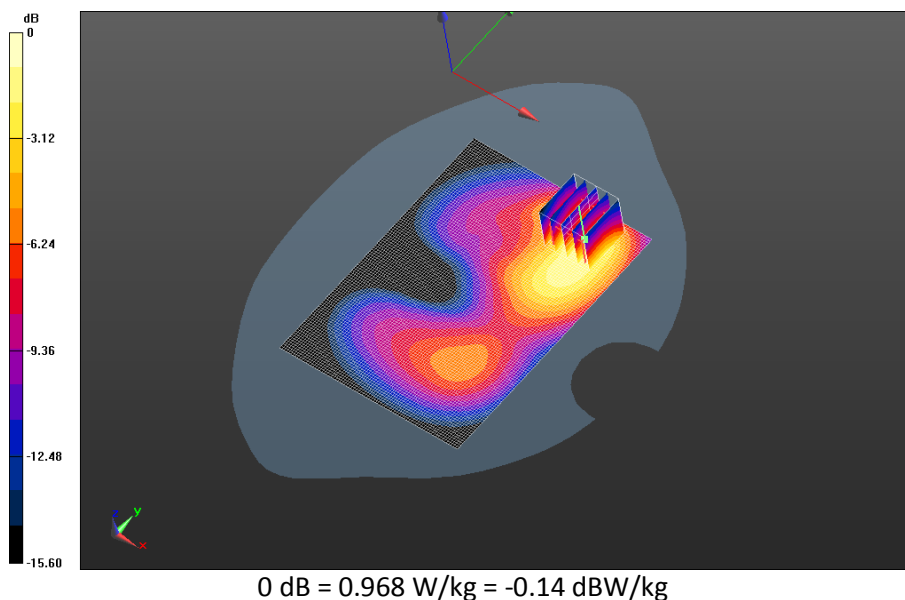
**II\_chan9262\_amb\_temp\_23.9C\_liq\_temp\_22.2C/Zoom Scan (21x21x36)/Cube 0:** Interpolated

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

Reference Value = 6.122 V/m; **Power Drift = 0.185 dB**

**Averaged SAR: SAR(1g) = 0.806 W/kg; SAR(10g) = 0.477 W/kg**

Maximum value of SAR (interpolated) = 1.27 W/kg



|                                                                                   |                                               |                                                                                                          |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## 802.11b/g

Date: 11/21/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### **Configuration: Body Worn MSL - 802.11bg**

Communication System: 802.11 b (2450) (0); Communication System Band: 802.11 b;

Frequency: 2437 MHz

Medium Parameters used:  $f=2437$  MHz;  $\sigma = 1.985$  S/m;  $\epsilon_r = 52.780$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### **DASY Configuration:**

- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### **Body Worn MSL - 802.11bg/15mm Device Back -**

**802.11g\_chan6\_amb\_temp\_23.5C\_liq\_temp\_21.2C/Area Scan (151x201x1):** Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 3.099 V/m; **Power Drift = 0.083 dB**

**Fast SAR: SAR(1g) = 0.0667 W/kg; SAR(10g) = 0.0353 W/kg**

Maximum value of SAR (interpolated) = 0.0862 W/kg

### **Body Worn MSL - 802.11bg/15mm Device Back -**

**802.11g\_chan6\_amb\_temp\_23.5C\_liq\_temp\_21.2C/Zoom Scan (31x31x36)/Cube 0:**

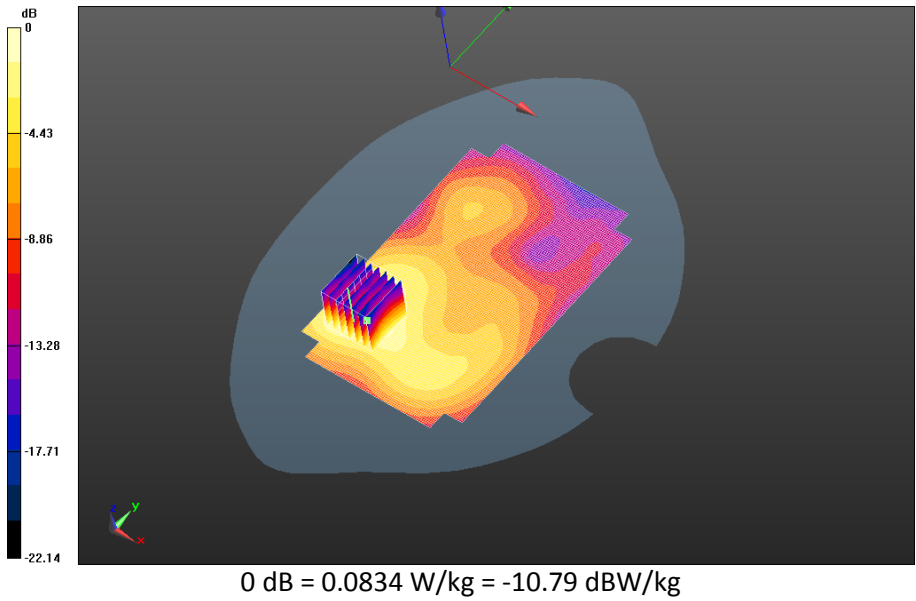
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm

Reference Value = 3.099 V/m; **Power Drift = 0.083 dB**

**Averaged SAR: SAR(1g) = 0.0680 W/kg; SAR(10g) = 0.0360 W/kg**

Maximum value of SAR (interpolated) = 0.129 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11bg/15mm Device Front -**

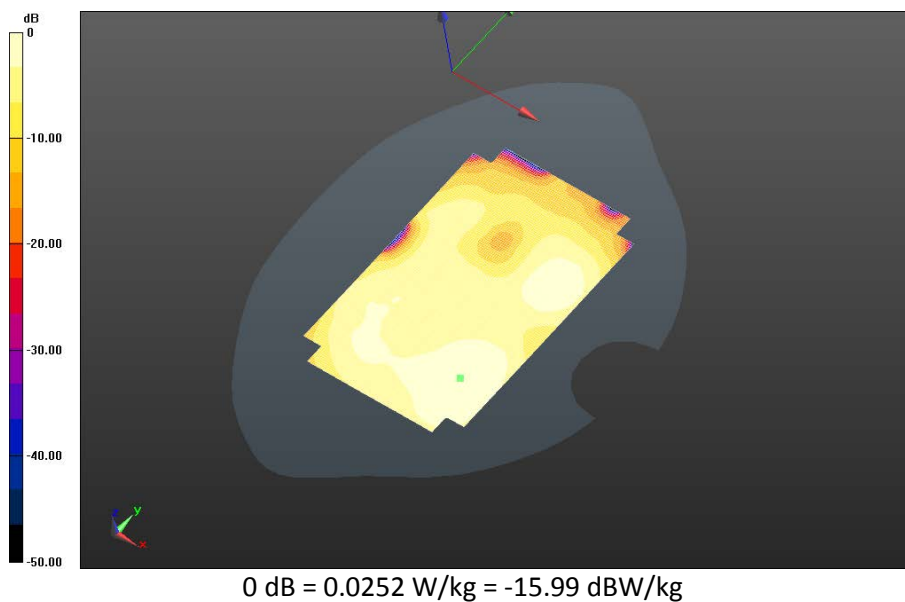
**802.11g\_chan6\_amb\_temp\_23.5C\_liq\_temp\_21.2C/Area Scan (151x201x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 2.210 V/m; **Power Drift = 0.177 dB**

**Fast SAR: SAR(1g) = 0.0207 W/kg; SAR(10g) = 0.0119 W/kg**

Maximum value of SAR (interpolated) = 0.0252 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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**Body Worn MSL - 802.11bg/Holster Device Back -**

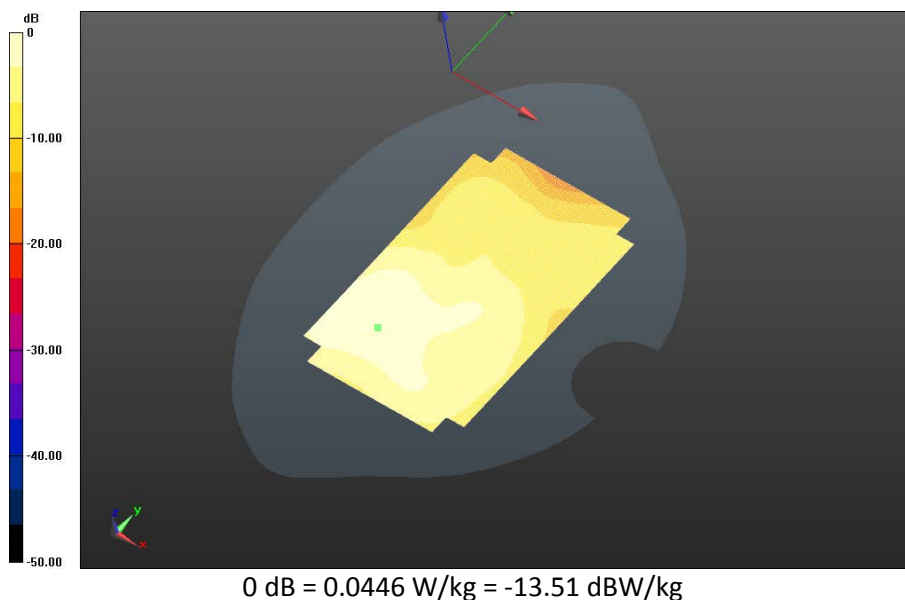
**802.11g\_chan6\_amb\_temp\_23.7C\_liq\_temp\_21.3C/Area Scan (151x201x1):** Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 2.917 V/m; **Power Drift = 0.241 dB**

**Fast SAR: SAR(1g) = 0.0365 W/kg; SAR(10g) = 0.0215 W/kg**

Maximum value of SAR (interpolated) = 0.0446 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11bg/15mm Device Back -**

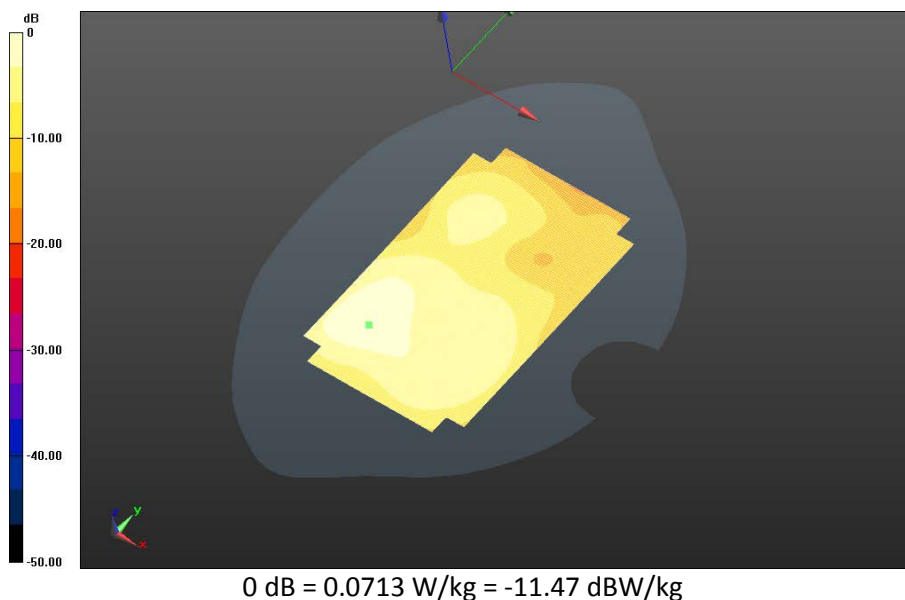
**802.11b\_chan1\_amb\_temp\_23.8C\_liq\_temp\_21.3C/Area Scan (151x201x1):** Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Reference Value = 2.892 V/m; **Power Drift = 0.332 dB**

**Fast SAR: SAR(1g) = 0.0557 W/kg; SAR(10g) = 0.0298 W/kg**

Maximum value of SAR (interpolated) = 0.0713 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11bg/15mm Device Back -**

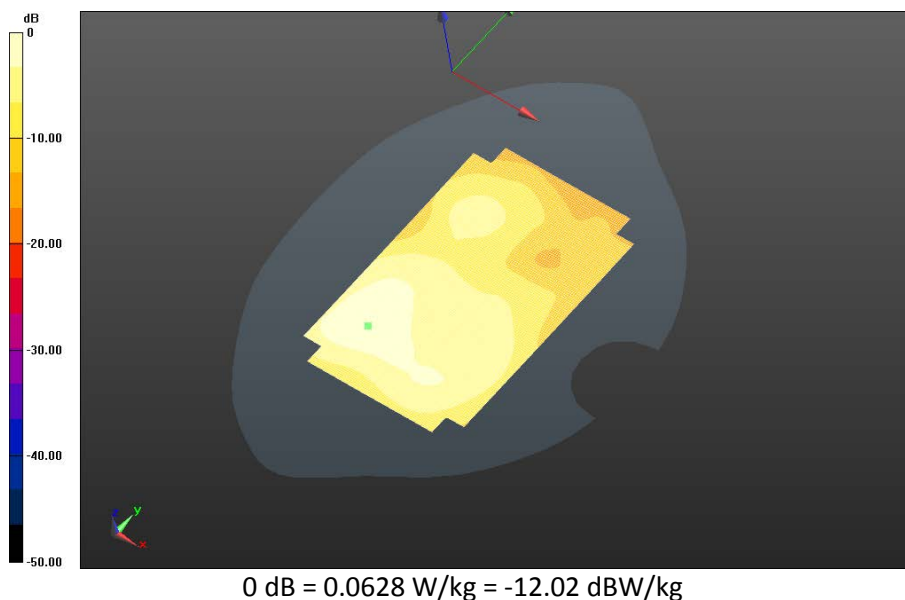
**802.11b\_chan6\_amb\_temp\_23.7C\_liq\_temp\_21.3C/Area Scan (151x201x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 2.754 V/m; **Power Drift = -0.038 dB**

**Fast SAR: SAR(1g) = 0.0496 W/kg; SAR(10g) = 0.0268 W/kg**

Maximum value of SAR (interpolated) = 0.0628 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11bg/15mm Device Back -**

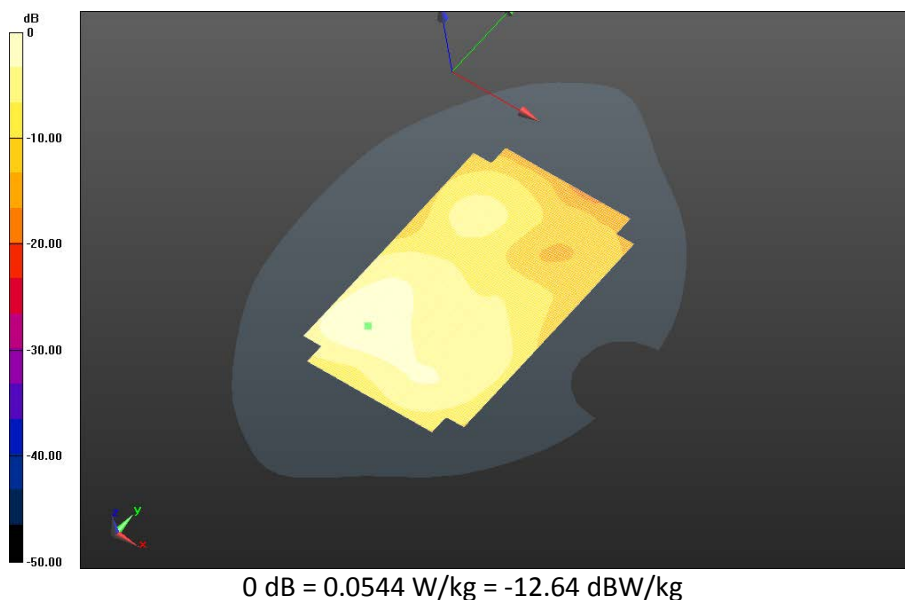
**802.11b\_chan11\_amb\_temp\_23.4C\_liq\_temp\_21.2C/Area Scan (151x201x1): Interpolated grid:**

dx=1.200 mm, dy=1.200 mm

Reference Value = 2.604 V/m; **Power Drift = 0.303 dB**

**Fast SAR: SAR(1g) = 0.0430 W/kg; SAR(10g) = 0.0232 W/kg**

Maximum value of SAR (interpolated) = 0.0544 W/kg



|                                                                                   |                                               |                                                                                                          |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                       |

# Bluetooth

Date: 11/20/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD1D**

## Configuration: Body Worn MSL - BT

Communication System: Bluetooth (0); Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 2441 MHz

Medium Parameters used:  $f=2441$  MHz;  $\sigma = 1.990$  S/m;  $\epsilon_r = 52.763$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

## DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.28,4.28,4.28); Calibrated: 1/22/2014;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

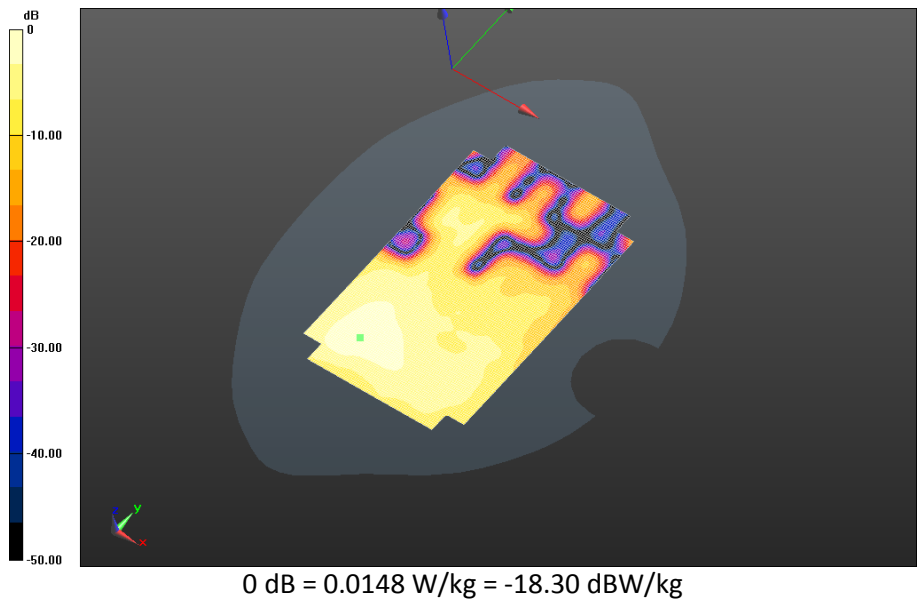
## Body Worn MSL - BT/15mm Device Back -

**Bluetooth\_chan39\_amb\_temp\_23.5C\_liq\_temp\_21.6C/Area Scan (151x201x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 1.016 V/m; **Power Drift = 0.104 dB**

**Fast SAR: SAR(1g) = 0.0112 W/kg; SAR(10g) = 0.00581 W/kg**

Maximum value of SAR (interpolated) = 0.0148 W/kg





|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

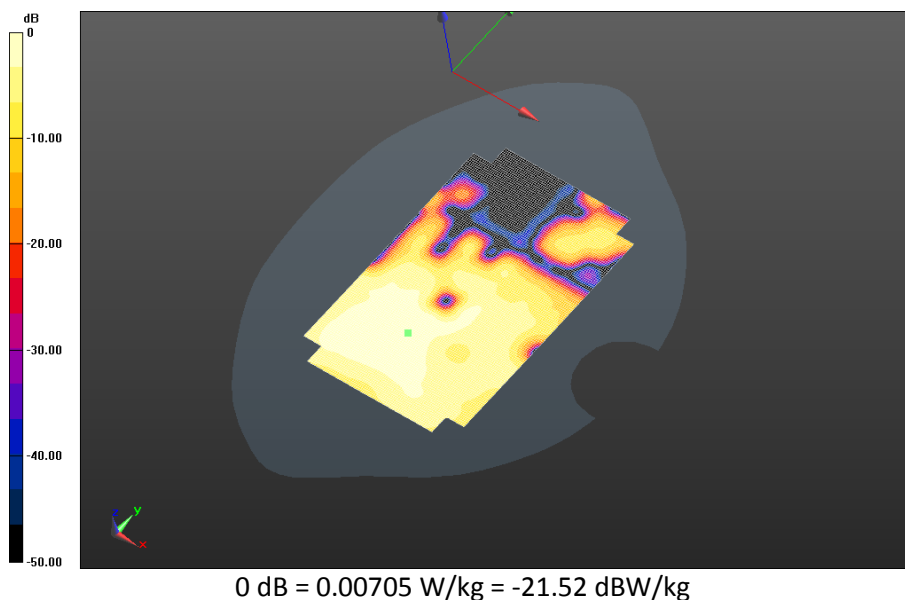
**Body Worn MSL - BT/Holster Device Back -**

**Bluetooth\_chan39\_amb\_temp\_23.4C\_liq\_temp\_21.8C/Area Scan (151x201x1):** Interpolated  
grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 0.793 V/m; **Power Drift = -0.038 dB**

**Fast SAR: SAR(1g) = 0.00571 W/kg; SAR(10g) = 0.00328 W/kg**

Maximum value of SAR (interpolated) = 0.00705 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

## 802.11a

Date: 11/26/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### **Configuration: Body Worn MSL - 802.11a 5200 MHz**

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5180 MHz

Medium Parameters used:  $f=5180$  MHz;  $\sigma = 5.569$  S/m;  $\epsilon_r = 46.283$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### **DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (4.06,4.06,4.06); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### **Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**

#### **802.11a\_chan36\_low\_band\_Amb\_Temp\_23.1C\_Liquid\_Temp\_21.7C/Area Scan (181x241x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 2.431 V/m; **Power Drift = 0.278 dB**

### **Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**

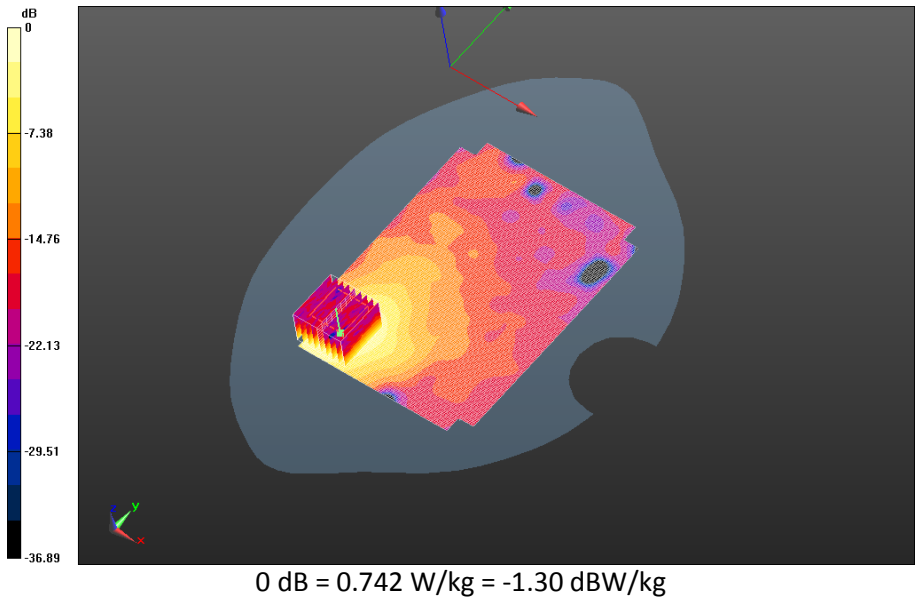
#### **802.11a\_chan36\_low\_band\_Amb\_Temp\_23.1C\_Liquid\_Temp\_21.7C/Zoom Scan**

**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 2.431 V/m; **Power Drift = 0.278 dB**

**Averaged SAR: SAR(1g) = 0.419 W/kg; SAR(10g) = 0.167 W/kg**

Maximum value of SAR (interpolated) = 1.42 W/kg

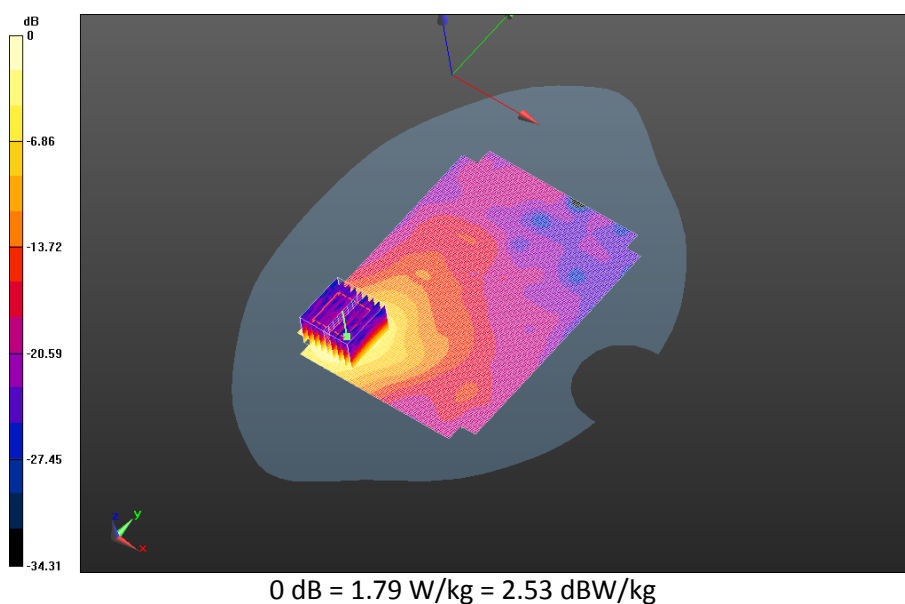


|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.7C/Area Scan (181x241x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.755 V/m; **Power Drift = 0.340 dB**

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.7C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.755 V/m; **Power Drift = 0.340 dB**

**Averaged SAR: SAR(1g) = 0.957 W/kg; SAR(10g) = 0.369 W/kg**  
Maximum value of SAR (interpolated) = 3.44 W/kg

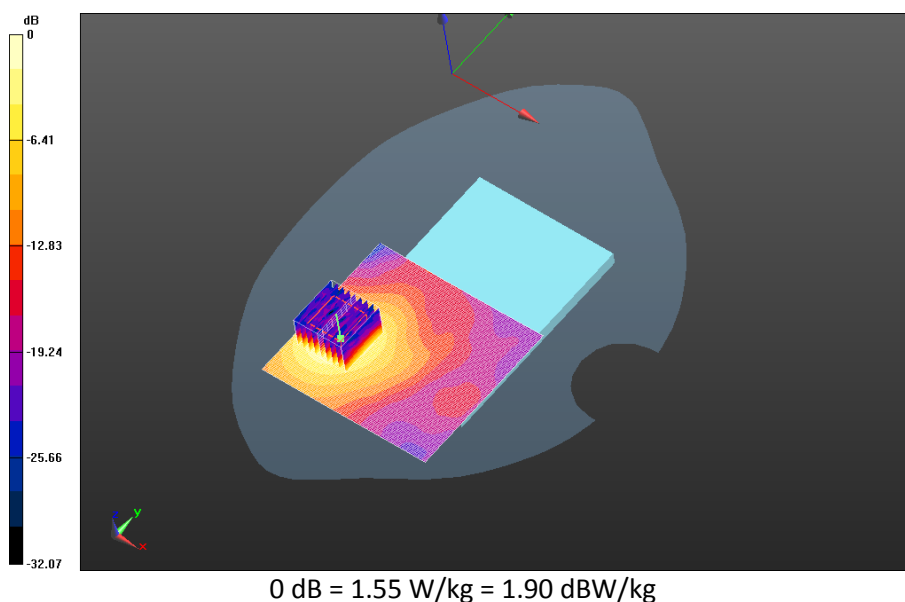


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**  
**802.11a\_chan64\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.5C/Area Scan (111x101x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.615 V/m; **Power Drift = -0.048 dB**

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -**  
**802.11a\_chan64\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.5C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.615 V/m; **Power Drift = -0.048 dB**

**Averaged SAR: SAR(1g) = 0.858 W/kg; SAR(10g) = 0.332 W/kg**  
Maximum value of SAR (interpolated) = 3.15 W/kg

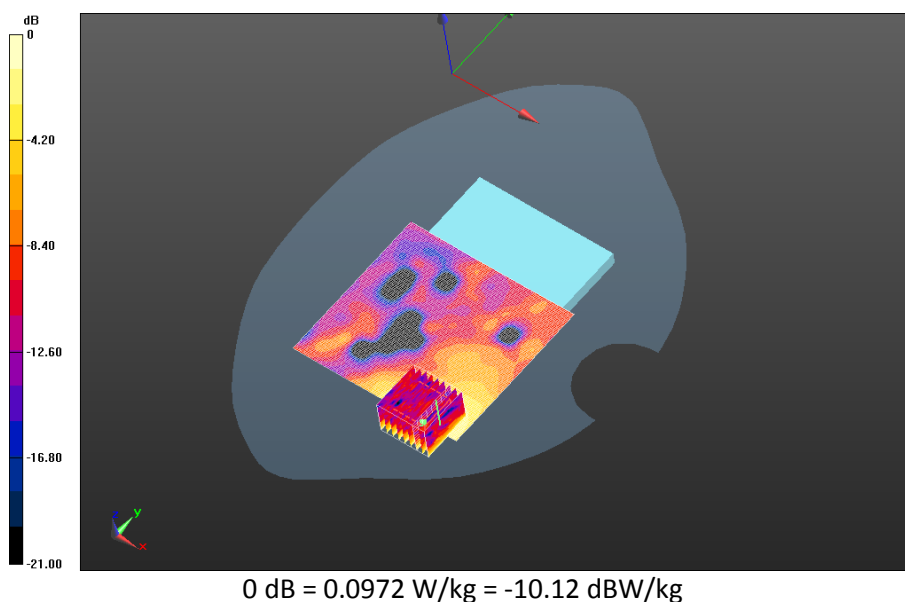


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Front -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.4C\_Liquid\_Temp\_21.0C/Area Scan (111x111x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 1.978 V/m; **Power Drift = -0.147 dB**

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Front -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.4C\_Liquid\_Temp\_21.0C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 1.978 V/m; **Power Drift = -0.147 dB**

**Averaged SAR: SAR(1g) = 0.0561 W/kg; SAR(10g) = 0.0273 W/kg**  
Maximum value of SAR (interpolated) = 0.230 W/kg

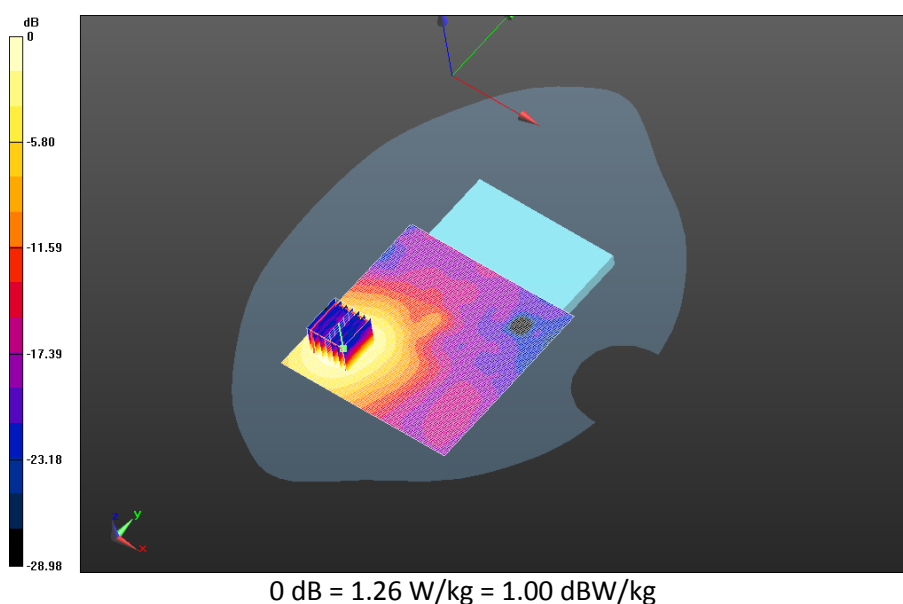


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**Body Worn MSL - 802.11a 5200 MHz/Holster Device Back -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.7C\_Liquid\_Temp\_21.5C/Area Scan (111x111x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.711 V/m; **Power Drift = 0.410 dB**

**Body Worn MSL - 802.11a 5200 MHz/Holster Device Back -**  
**802.11a\_chan52\_mid\_band\_Amb\_Temp\_23.7C\_Liquid\_Temp\_21.5C/Zoom Scan**  
**(31x31x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.711 V/m; **Power Drift = 0.410 dB**

**Averaged SAR: SAR(1g) = 0.715 W/kg; SAR(10g) = 0.304 W/kg**  
Maximum value of SAR (interpolated) = 2.47 W/kg

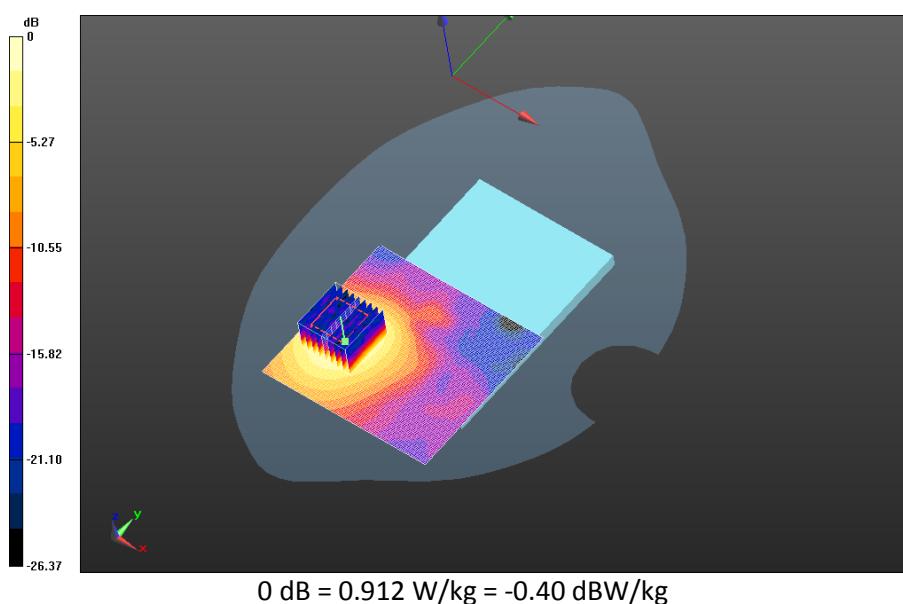


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/Holster Device Back -**  
**802.11a\_chan64\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.5C/Area Scan (111x101x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.398 V/m; **Power Drift = -0.164 dB**

**Body Worn MSL - 802.11a 5200 MHz/Holster Device Back -**  
**802.11a\_chan64\_mid\_band\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.5C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.398 V/m; **Power Drift = -0.164 dB**

**Averaged SAR: SAR(1g) = 0.515 W/kg; SAR(10g) = 0.217 W/kg**  
Maximum value of SAR (interpolated) = 1.80 W/kg



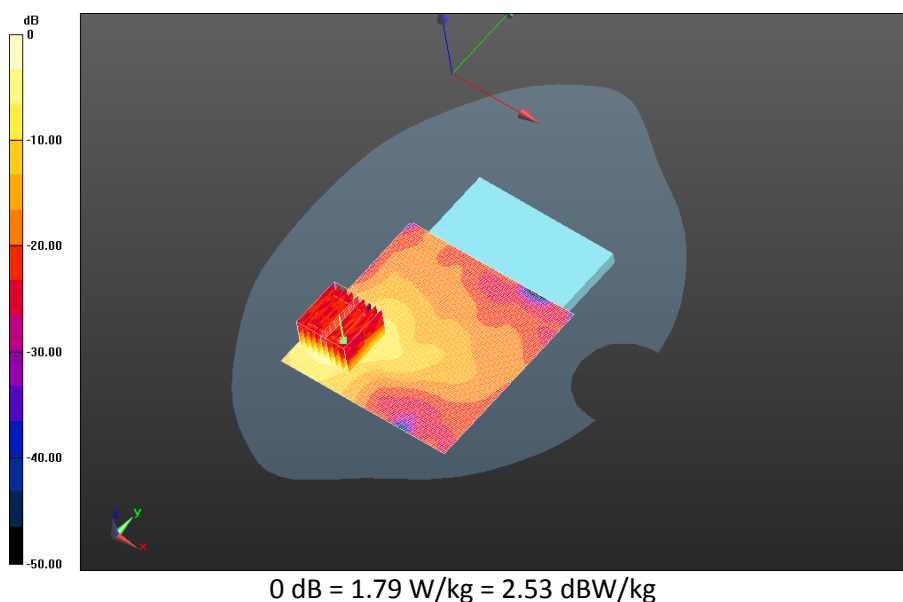


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/Headset 15mm Device Back -**  
**802.11a\_chan52\_low\_band\_Amb\_Temp\_23.4C\_Liquid\_Temp\_21.7C/Area Scan (111x111x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.379 V/m; **Power Drift = 0.024 dB**

**Body Worn MSL - 802.11a 5200 MHz/Headset 15mm Device Back -**  
**802.11a\_chan52\_low\_band\_Amb\_Temp\_23.4C\_Liquid\_Temp\_21.7C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.379 V/m; **Power Drift = 0.024 dB**

**Averaged SAR: SAR(1g) = 0.929 W/kg; SAR(10g) = 0.299 W/kg**  
Maximum value of SAR (interpolated) = 3.64 W/kg

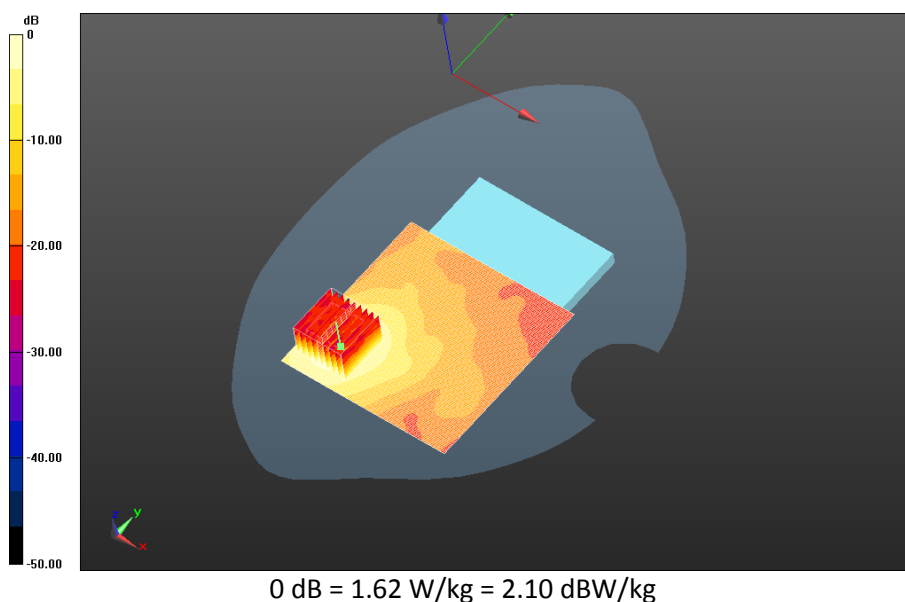


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back\_2nd Scan -**  
**802.11a\_chan52\_low\_band\_Amb\_Temp\_23.5C\_Liquid\_Temp\_21.6C/Area Scan (111x111x1):**  
Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.689 V/m; **Power Drift = 0.108 dB**

**Body Worn MSL - 802.11a 5200 MHz/15mm Device Back\_2nd Scan -**  
**802.11a\_chan52\_low\_band\_Amb\_Temp\_23.5C\_Liquid\_Temp\_21.6C/Zoom Scan**  
**(41x41x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.689 V/m; **Power Drift = 0.108 dB**

**Averaged SAR: SAR(1g) = 0.883 W/kg; SAR(10g) = 0.357 W/kg**  
Maximum value of SAR (interpolated) = 3.15 W/kg



|                                                                                   |                                               |                                                                                                          |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                                | FCC ID:<br><b>L6ARGV160LW</b> |                       |

Date: 11/26/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### **Configuration: Body Worn MSL - 802.11a 5500 MHz**

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5520 MHz

Medium Parameters used:  $f=5520$  MHz;  $\sigma = 6.007$  S/m;  $\epsilon_r = 46.087$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

#### **DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.78,3.78,3.78); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

#### **Body Worn MSL - 802.11a 5500 MHz/15mm Device Back -**

**802.11a\_chan104\_upper\_bandI\_Amb\_Temp\_23.0C\_Liquid\_Temp\_21.6C/Area Scan**

**(181x241x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 1.902 V/m; **Power Drift = 0.556 dB**

#### **Body Worn MSL - 802.11a 5500 MHz/15mm Device Back -**

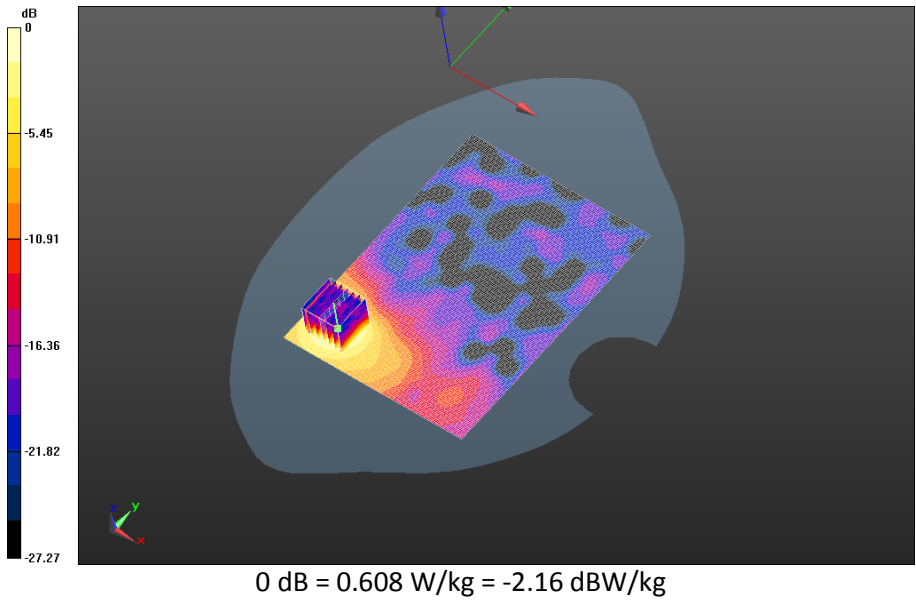
**802.11a\_chan104\_upper\_bandI\_Amb\_Temp\_23.0C\_Liquid\_Temp\_21.6C/Zoom Scan**

**(31x31x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 1.902 V/m; **Power Drift = 0.556 dB**

**Averaged SAR: SAR(1g) = 0.335 W/kg; SAR(10g) = 0.128 W/kg**

Maximum value of SAR (interpolated) = 1.30 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

Date: 11/26/2014

Test Lab: BlackBerry RTS

**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 2FFEDD03**

### **Configuration: Body Worn MSL - 802.11a 5800 MHz**

Communication System: 802.11a (0); Communication System Band: Low and Mid Bands;

Frequency: 5765 MHz

Medium Parameters used:  $f=5765$  MHz;  $\sigma = 6.416$  S/m;  $\epsilon_r = 45.256$ ;  $\rho = 1.000$  g/cm<sup>3</sup>

Phantom section: Flat Section

### **DASY Configuration:**

- Probe: EX3DV4 - SN3592; ConvF: (3.86,3.86,3.86); Calibrated: 11/10/2014;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/18/2014
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.8(1222); SEMCAD X Version 14.6.10 (7331)

### **Body Worn MSL - 802.11a 5800 MHz/15mm Device Back -**

**802.11a\_chan153\_upper\_bandII\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.6C/Area Scan**

**(101x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 1.833 V/m; **Power Drift = -0.177 dB**

### **Body Worn MSL - 802.11a 5800 MHz/15mm Device Back -**

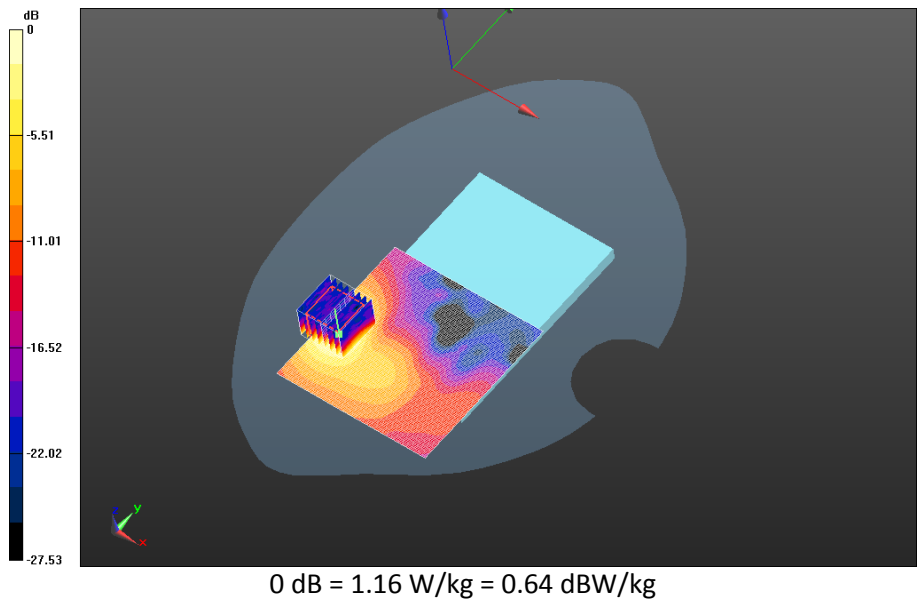
**802.11a\_chan153\_upper\_bandII\_Amb\_Temp\_23.3C\_Liquid\_Temp\_21.6C/Zoom Scan**

**(36x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 1.833 V/m; **Power Drift = -0.177 dB**

**Averaged SAR: SAR(1g) = 0.612 W/kg; SAR(10g) = 0.236 W/kg**

Maximum value of SAR (interpolated) = 2.48 W/kg

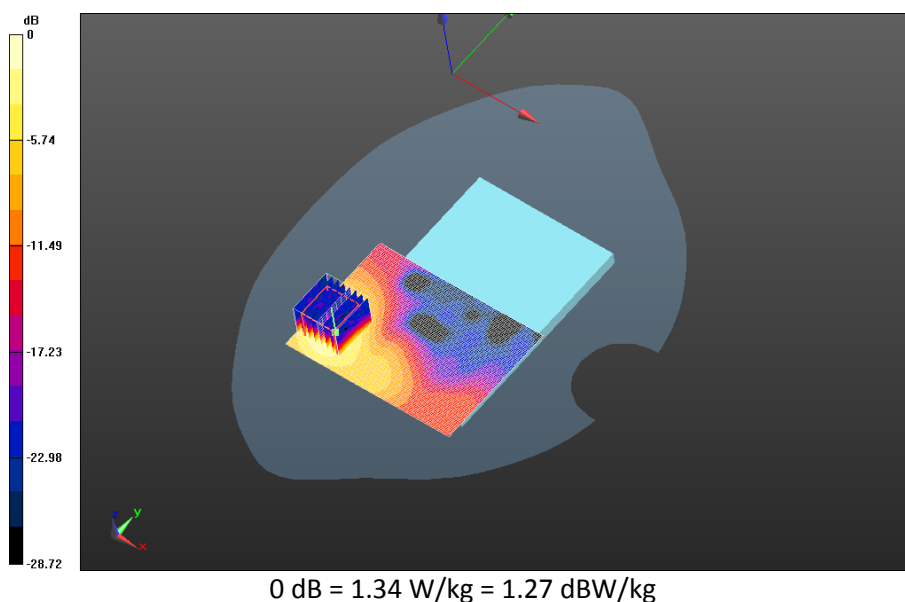


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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a\_chan157\_upper\_bandII\_Amb\_Temp\_23.1C\_Liquid\_Temp\_21.5C/Area Scan (111x101x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 1.834 V/m; **Power Drift = 0.140 dB**

**Body Worn MSL - 802.11a 5800 MHz/15mm Device Back - 802.11a\_chan157\_upper\_bandII\_Amb\_Temp\_23.1C\_Liquid\_Temp\_21.5C/Zoom Scan (36x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 1.834 V/m; **Power Drift = 0.140 dB**

**Averaged SAR: SAR(1g) = 0.708 W/kg; SAR(10g) = 0.267 W/kg**  
Maximum value of SAR (interpolated) = 2.88 W/kg



|                                                                                   |                                               |                                                                                                     |                               |                       |
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| Author Data<br><b>Andrew Becker</b>                                               | Dates of Test<br><b>Nov 04 – Dec 02, 2014</b> | Test Report No<br><b>RTS-6057-1411-17</b>                                                           | FCC ID:<br><b>L6ARGV160LW</b> |                       |

**Body Worn MSL - 802.11a 5800 MHz/15mm Device Back -**  
**802.11a\_chan165\_upper\_bandII\_Amb\_Temp\_23.5C\_Liquid\_Temp\_21.9C/Area Scan**  
**(111x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Reference Value = 2.296 V/m; **Power Drift = -0.039 dB**

**Body Worn MSL - 802.11a 5800 MHz/15mm Device Back -**  
**802.11a\_chan165\_upper\_bandII\_Amb\_Temp\_23.5C\_Liquid\_Temp\_21.9C/Zoom Scan**  
**(36x36x61)/Cube 0:** Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm  
Reference Value = 2.296 V/m; **Power Drift = -0.039 dB**

**Averaged SAR: SAR(1g) = 0.785 W/kg; SAR(10g) = 0.296 W/kg**  
Maximum value of SAR (interpolated) = 3.12 W/kg

