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APPENDIX C1: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

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DTM/GSM 850 (RGB141LW)

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Date: 6/28/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7671

Configuration: Body Worn MSL - GPRS 850

Communication System: GPRS 850 (3 slots); Communication System Band: GPRS 850 (3 slots);

Frequency: 836.8 MHz

Medium Parameters used: $f=836.8$ MHz; $\sigma = 0.964$ S/m; $\epsilon_r = 53.124$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.12,6.12,6.12); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - GPRS 850/15mm Device Back -

GPRS850_chan190_amb_temp_23.3C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.549 W/kg

Body Worn MSL - GPRS 850/15mm Device Back -

GPRS850_chan190_amb_temp_23.3C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:

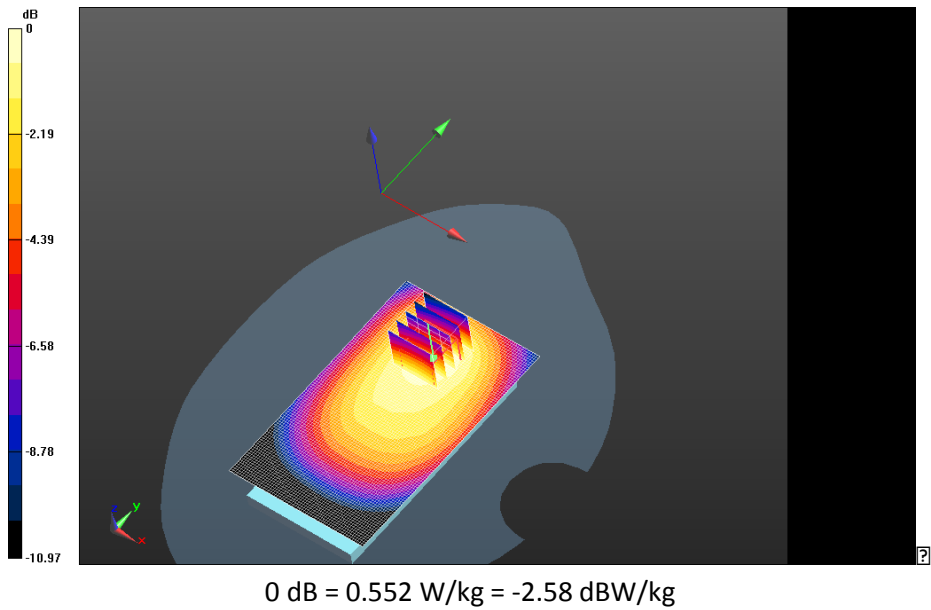
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 20.863 V/m; **Power Drift = 0.067 dB**

Averaged SAR: SAR(1g) = 0.488 W/kg; SAR(10g) = 0.352 W/kg

Maximum value of SAR (interpolated) = 0.662 W/kg

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UMTS Band V (RGB141LW)

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Date: 6/28/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7671

Configuration: Body Worn MSL - UMTS band V

Communication System: WCDMA FDD V; Communication System Band: UMTS band V;

Frequency: 836.4 MHz

Medium Parameters used: $f=836.4$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 53.128$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.12,6.12,6.12); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

V_chan4182_amb_temp_23.1C_liq_temp_21.6C/Area Scan (61x101x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.416 W/kg

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

V_chan4182_amb_temp_23.1C_liq_temp_21.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated

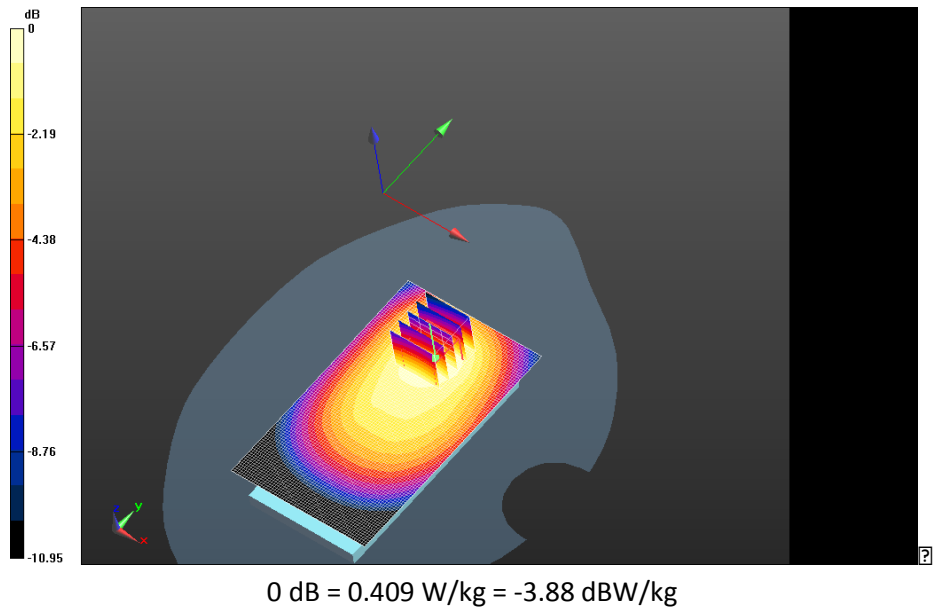
grid: $dx=1.500$ mm, $dy=1.500$ mm, $dz=1.000$ mm

Reference Value = 18.000 V/m; **Power Drift = 0.046 dB**

Averaged SAR: SAR(1g) = 0.364 W/kg; SAR(10g) = 0.263 W/kg

Maximum value of SAR (interpolated) = 0.489 W/kg

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CDMA 800 (RGB141LW)

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Date: 6/27/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - CDMA 800 BC10

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10;

Frequency: 820.5 MHz

Medium Parameters used: $f=820.5$ MHz; $\sigma = 0.946$ S/m; $\epsilon_r = 53.277$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.12,6.12,6.12); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - CDMA 800 BC10/15mm Device Back - CDMA 800

BC10_chan580_amb_temp_22.8C_liq_temp_22.3C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 21.941 V/m; **Power Drift = 0.036 dB**

Body Worn MSL - CDMA 800 BC10/15mm Device Back - CDMA 800

BC10_chan580_amb_temp_22.8C_liq_temp_22.3C/Zoom Scan (21x21x36)/Cube 0:

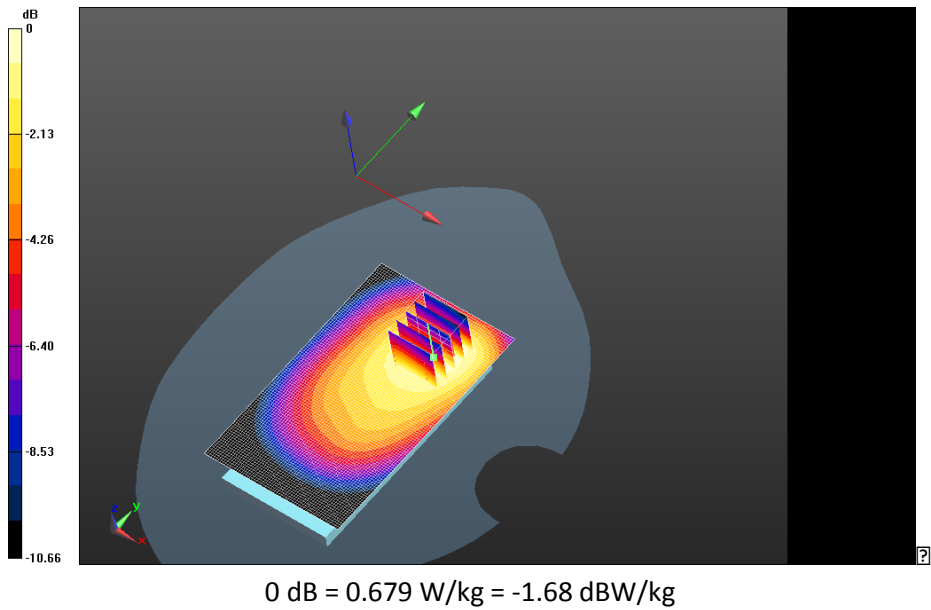
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 21.941 V/m; **Power Drift = 0.036 dB**

Averaged SAR: SAR(1g) = 0.594 W/kg; SAR(10g) = 0.424 W/kg

Maximum value of SAR (interpolated) = 0.804 W/kg

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Body Worn MSL - CDMA 800 BC10/15mm Device Front - CDMA 800

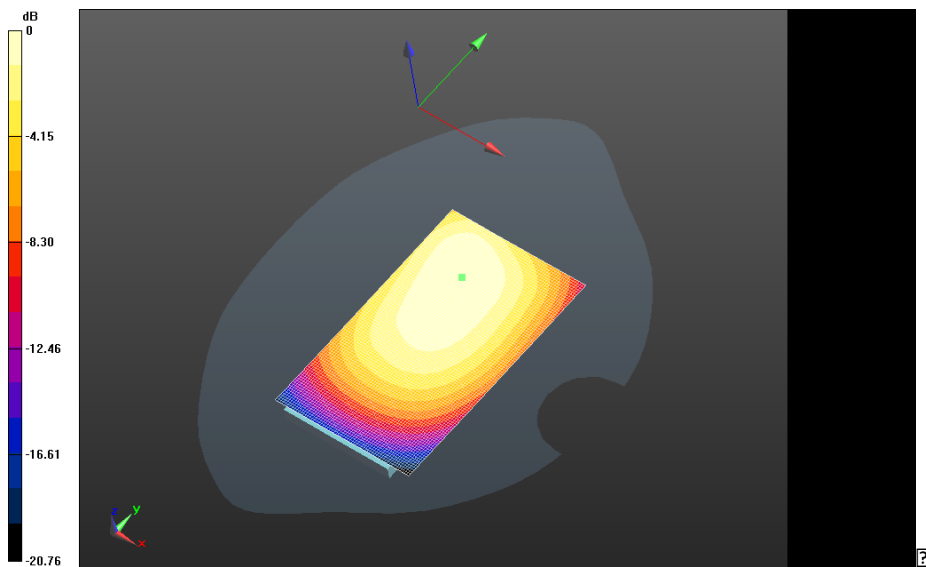
BC10_chan580_amb_temp_23.0C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 21.638 V/m; **Power Drift = -0.013 dB**

Fast SAR: SAR(1g) = 0.430 W/kg; SAR(10g) = 0.304 W/kg

Maximum value of SAR (interpolated) = 0.487 W/kg



0 dB = 0.679 W/kg = -1.68 dBW/kg

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Body Worn MSL - CDMA 800 BC10/Holster Device Back - CDMA 800

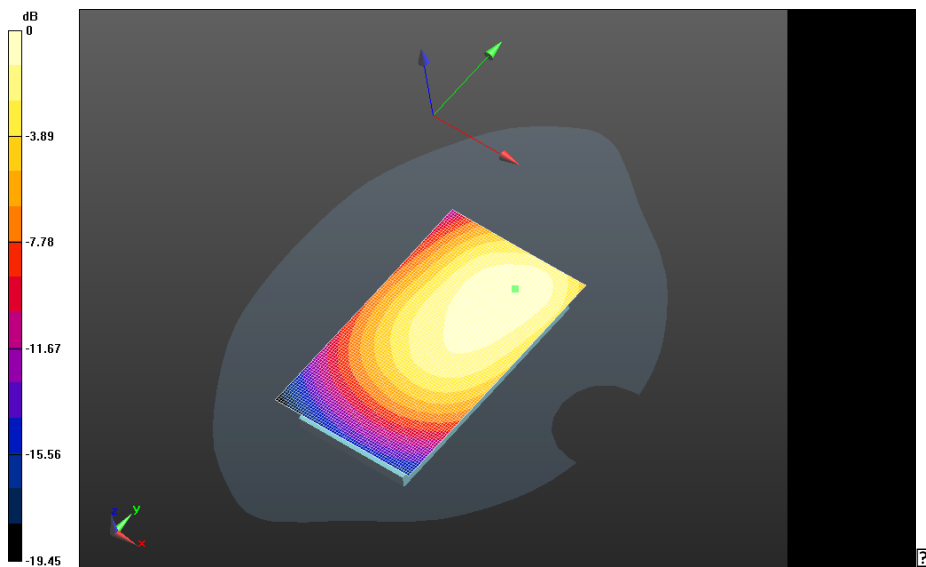
BC10_chan580_amb_temp_23.2C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 20.661 V/m; **Power Drift = 0.099 dB**

Fast SAR: SAR(1g) = 0.433 W/kg; SAR(10g) = 0.303 W/kg

Maximum value of SAR (interpolated) = 0.490 W/kg



0 dB = 0.487 W/kg = -3.12 dBW/kg

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CDMA 850 (RGB141LW)

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Date: 6/27/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - CDMA 850 BC0

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular;

Frequency: 836.52 MHz

Medium Parameters used: $f=836.52$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 53.127$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (6.12,6.12,6.12); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - CDMA 850 BC0/15mm Device Back - CDMA 850

BC0_chan384_amb_temp_22.8C_liq_temp_22.6C/Area Scan (61x101x1): Interpolated grid:

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

Reference Value = 20.776 V/m; **Power Drift = 0.032 dB**

Body Worn MSL - CDMA 850 BC0/15mm Device Back - CDMA 850

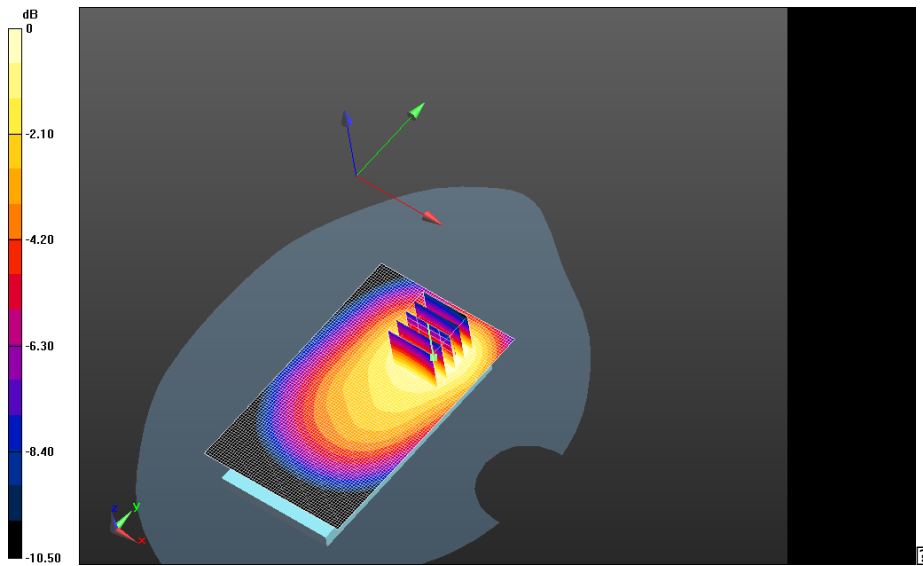
BC0_chan384_amb_temp_22.8C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm, $dz=1.000$ mm

Reference Value = 20.776 V/m; **Power Drift = 0.032 dB**

Averaged SAR: SAR(1g) = 0.558 W/kg; SAR(10g) = 0.397 W/kg

Maximum value of SAR (interpolated) = 0.754 W/kg

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0 dB = 0.629 W/kg = -2.01 dBW/kg

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Body Worn MSL - CDMA 850 BC0/15mm Device Front- CDMA 850

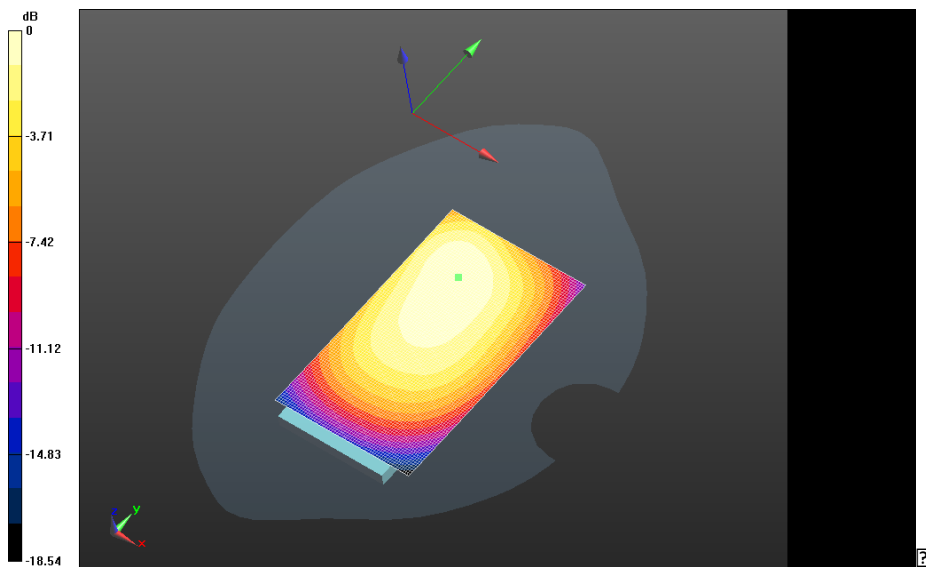
BC0_chan384_amb_temp_23.0C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 20.923 V/m; **Power Drift = 0.011 dB**

Fast SAR: SAR(1g) = 0.425 W/kg; SAR(10g) = 0.296 W/kg

Maximum value of SAR (interpolated) = 0.483 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

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Body Worn MSL - CDMA 850 BC0/Holster Device Back - CDMA 850

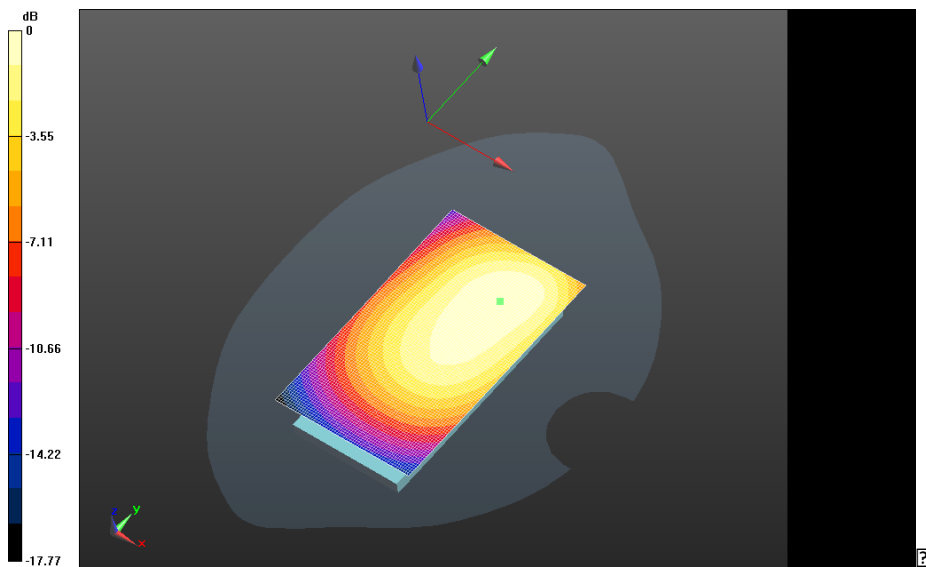
BC0_chan384_amb_temp_23.4C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 20.220 V/m; **Power Drift = -0.011 dB**

Fast SAR: SAR(1g) = 0.398 W/kg; SAR(10g) = 0.278 W/kg

Maximum value of SAR (interpolated) = 0.452 W/kg



0 dB = 0.483 W/kg = -3.16 dBW/kg

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SVLTE 25 (RGB141LW)

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Author Data Andrew Becker	Dates of Test June 11 – August 16,2013	Test Report No RTS-6046-1308-39 Rev 2	FCC ID: L6ARGB140LW	IC

Date: 6/29/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - SVLTE Band 25

Communication System: LTE band 25; Communication System Band: LTE band 25; Frequency: 1882.5 MHz

Medium Parameters used: $f=1882.5$ MHz; $\sigma = 1.517$ S/m; $\epsilon_r = 51.173$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.04,5.04,5.04); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - SVLTE Band 25/15mm Device Back -

SVLTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.5C_liq_temp_22.5C/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 3.815 V/m; **Power Drift = 0.106 dB**

Body Worn MSL - SVLTE Band 25/15mm Device Back -

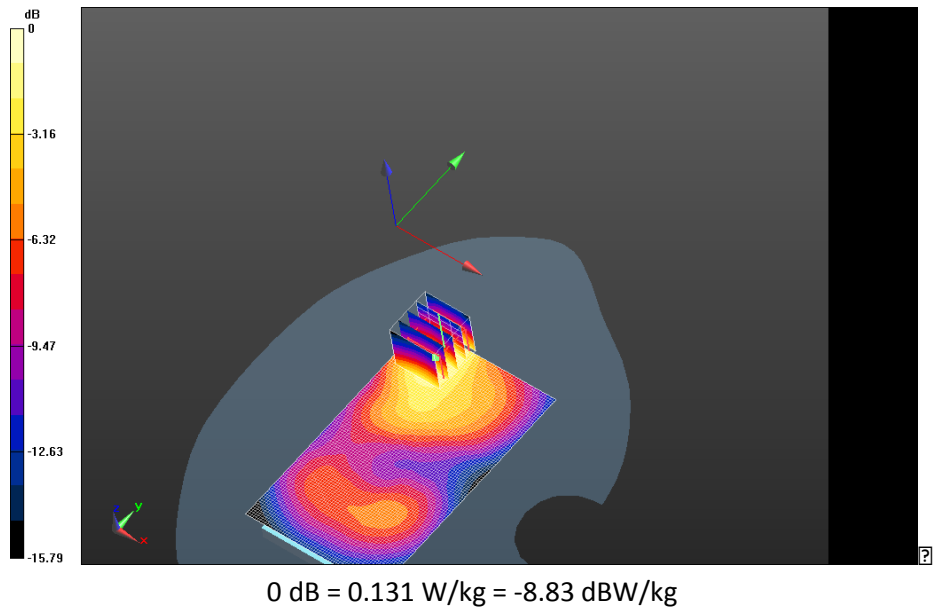
SVLTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.5C_liq_temp_22.5C/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 3.815 V/m; **Power Drift = 0.106 dB**

Averaged SAR: SAR(1g) = 0.110 W/kg; SAR(10g) = 0.0634 W/kg

Maximum value of SAR (interpolated) = 0.179 W/kg

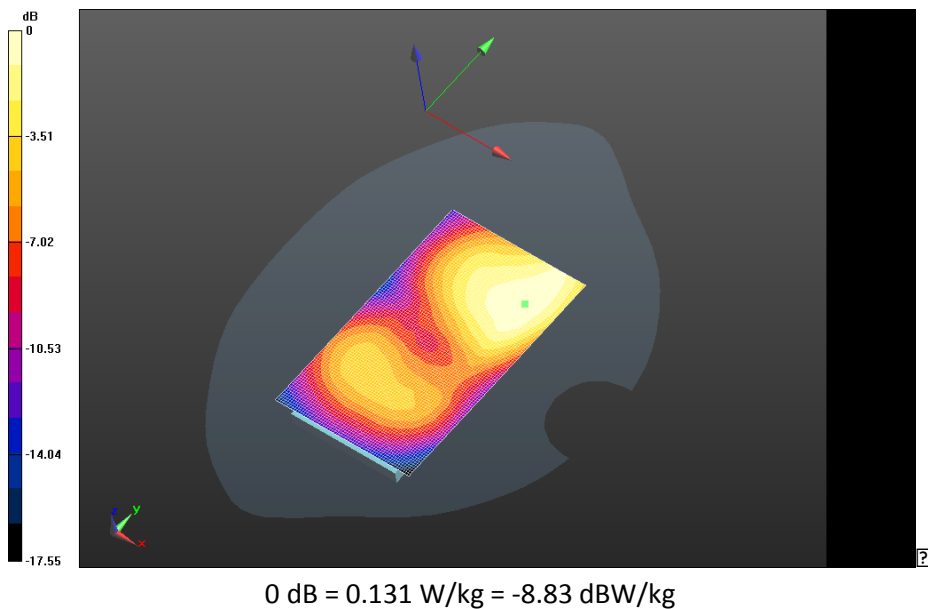
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Body Worn MSL - SVLTE Band 25/15mm Device Front -
SVLTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.3C_liq_temp_22.5C/Area Scan
(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.294 V/m; **Power Drift = 0.086 dB**

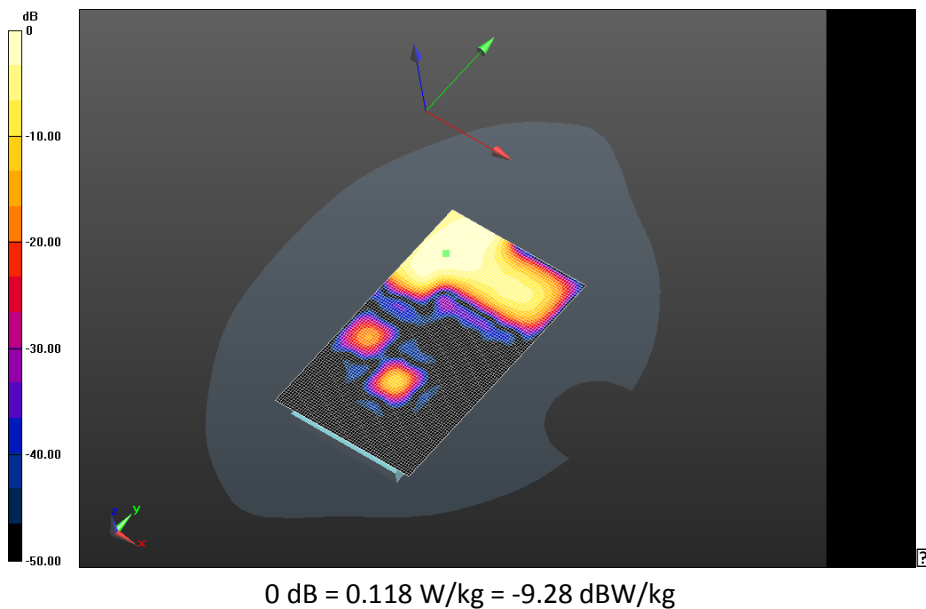
Fast SAR: SAR(1g) = 0.0986 W/kg; SAR(10g) = 0.0604 W/kg
Maximum value of SAR (interpolated) = 0.118 W/kg



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Body Worn MSL - SVLTE Band 25/Holster Device Back -
SVLTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.5C_liq_temp_22.5C/Area Scan
(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 0.455 V/m; Power Drift = 0.033 dB

Fast SAR: SAR(1g) = 0.00443 W/kg; SAR(10g) = 0.00254 W/kg
Maximum value of SAR (interpolated) = 0.00536 W/kg



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LTE 25 Full Power (RGB141LW)

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Date: 7/2/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - LTE Band 25

Communication System: LTE band 25; Communication System Band: LTE band 25; Frequency: 1860 MHz

Medium Parameters used: $f=1860$ MHz; $\sigma = 1.506$ S/m; $\epsilon_r = 50.738$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.04,5.04,5.04); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - LTE Band 25/15mm Device Back -

LTE_Band_25_chan26140_RB50_Offset50_amb_temp_23.0C_liq_temp_22.5C/Area Scan

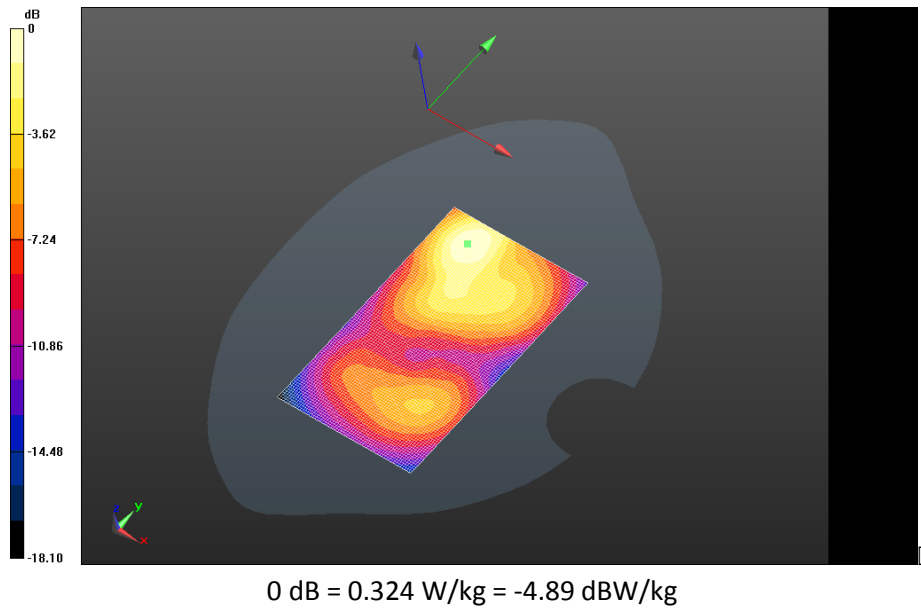
(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.619 V/m; **Power Drift = 0.036 dB**

Fast SAR: SAR(1g) = 0.260 W/kg; SAR(10g) = 0.149 W/kg

Maximum value of SAR (interpolated) = 0.324 W/kg

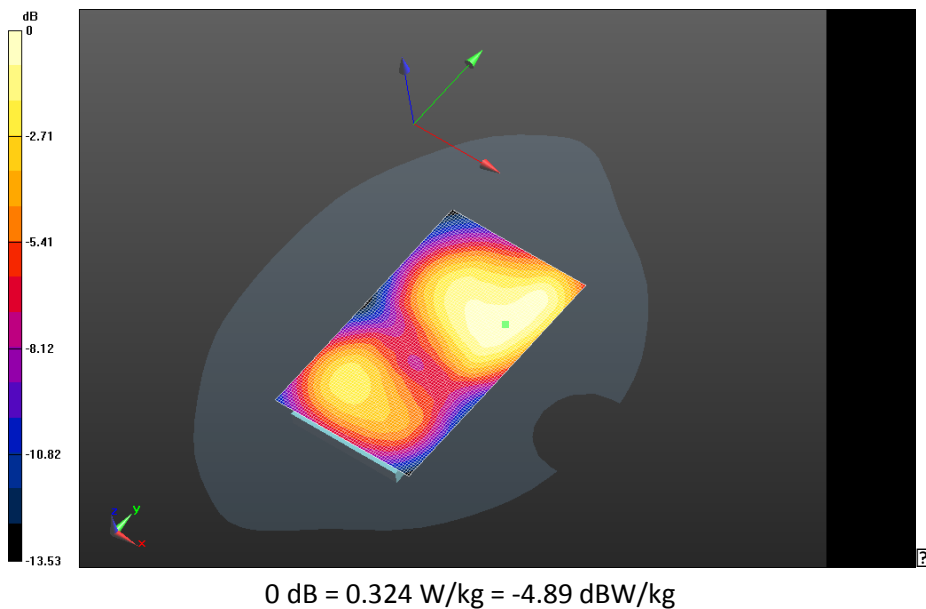
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Body Worn MSL - LTE Band 25/15mm Device Front -
LTE_Band_25_chan26140_RB50_Offset50_amb_temp_23.3C_liq_temp_22.5C/Area Scan
(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.466 V/m; **Power Drift = 0.032 dB**

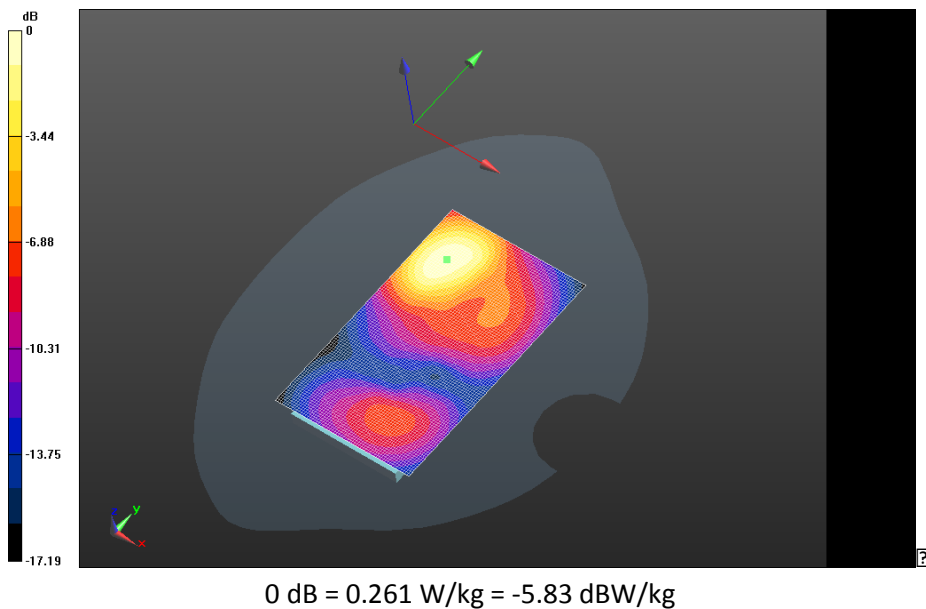
Fast SAR: SAR(1g) = 0.218 W/kg; SAR(10g) = 0.135 W/kg
Maximum value of SAR (interpolated) = 0.261 W/kg



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Body Worn MSL - LTE Band 25/Holster Device Back -
LTE_Band_25_chan26140_RB50_Offset50_amb_temp_23.2C_liq_temp_22.5C/Area Scan
(61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.546 V/m; **Power Drift = 0.190 dB**

Fast SAR: SAR(1g) = 0.278 W/kg; SAR(10g) = 0.159 W/kg
Maximum value of SAR (interpolated) = 0.338 W/kg



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GPRS 1900 (RGB141LW)

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Date: 7/3/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - GPRS 1900

Communication System: GPRS 1900 (4-slots); Communication System Band: GPRS 1900 (4 slots); Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.534$ S/m; $\epsilon_r = 50.675$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.04,5.04,5.04); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS1900-

4slot_chan661_amb_temp_23.3C_liq_temp_22.2C/Area Scan (61x101x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.329 W/kg

Body Worn MSL - GPRS 1900/15mm Device Back - GPRS1900-

4slot_chan661_amb_temp_23.3C_liq_temp_22.2C/Zoom Scan (21x21x36)/Cube 0:

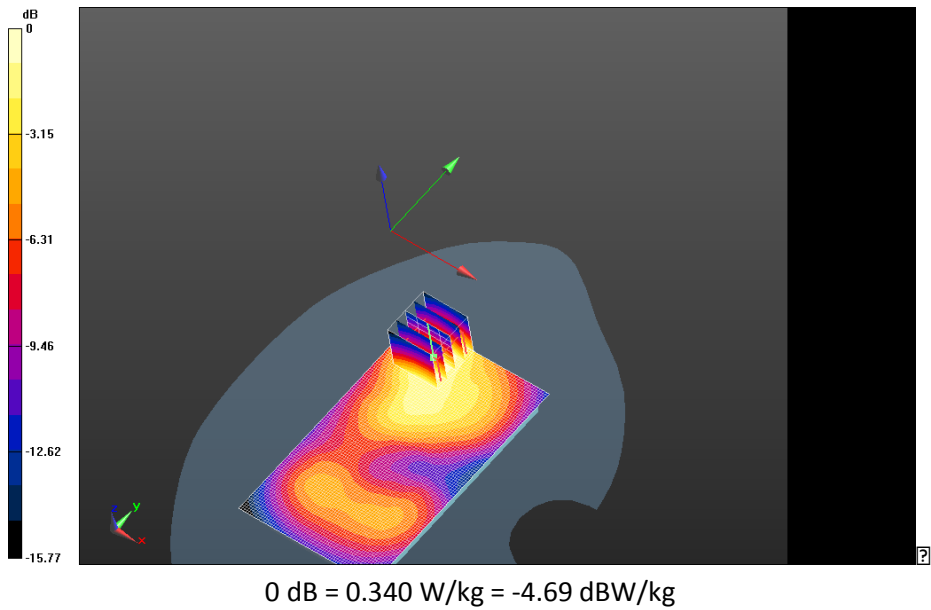
Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm, $dz=1.000$ mm

Reference Value = 6.307 V/m; **Power Drift = 0.071 dB**

Averaged SAR: SAR(1g) = 0.286 W/kg; SAR(10g) = 0.168 W/kg

Maximum value of SAR (interpolated) = 0.466 W/kg

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UMTS Band II (RGB141LW)

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Date: 7/3/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - UMTS II

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.534$ S/m; $\epsilon_r = 50.675$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.04,5.04,5.04); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

UMTS_II_chan9400_amb_temp_23.9C_liq_temp_22.5C/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.355 W/kg

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

UMTS_II_chan9400_amb_temp_23.9C_liq_temp_22.5C/Zoom Scan (21x21x36)/Cube 0:

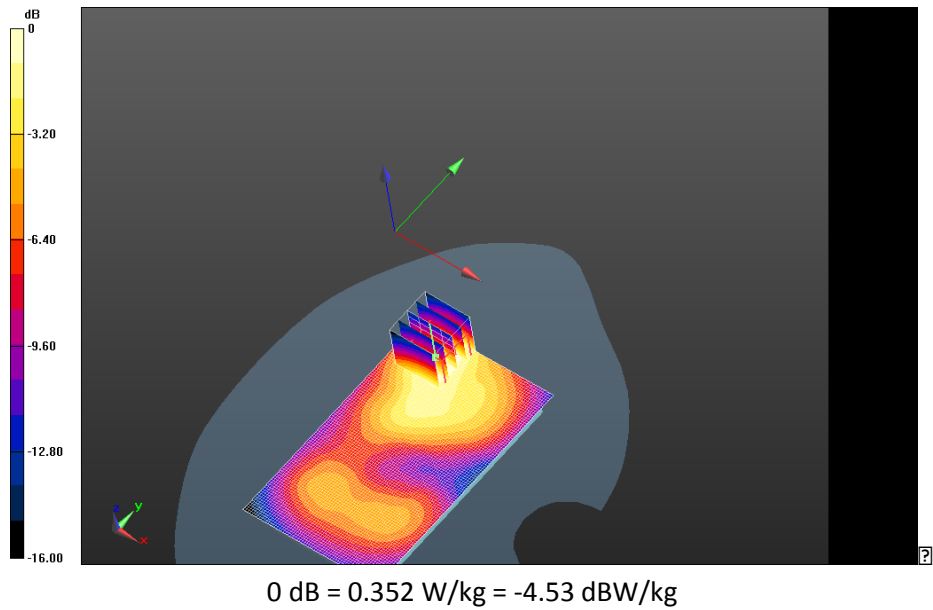
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 6.472 V/m; **Power Drift = -0.048 dB**

Averaged SAR: SAR(1g) = 0.300 W/kg; SAR(10g) = 0.176 W/kg

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

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CDMA 1900 (RGB141LW)

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Author Data Andrew Becker	Dates of Test June 11 – August 16, 2013	Test Report No RTS-6046-1308-39 Rev 2	FCC ID: L6ARGB140LW	IC

Date: 6/28/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - CDMA 1900 BC1

Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS;

Frequency: 1880 MHz

Medium Parameters used: $f=1880$ MHz; $\sigma = 1.515$ S/m; $\epsilon_r = 51.187$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (5.04,5.04,5.04); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - CDMA 1900 BC1/15mm Device Back - CDMA 1900

BC1_chan600_amb_temp_22.8C_liq_temp_22.6C/Area Scan (61x101x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 8.474 V/m; **Power Drift = 0.048 dB**

Fast SAR: SAR(1g) = 0.462 W/kg; SAR(10g) = 0.289 W/kg

Maximum value of SAR (interpolated) = 0.546 W/kg

Body Worn MSL - CDMA 1900 BC1/15mm Device Back - CDMA 1900

BC1_chan600_amb_temp_22.8C_liq_temp_22.6C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 8.474 V/m; **Power Drift = 0.048 dB**

Body Worn MSL - CDMA 1900 BC1/15mm Device Back - CDMA 1900

BC1_chan600_amb_temp_22.8C_liq_temp_22.6C/Zoom Scan 2 (31x26x36)/Cube 0:

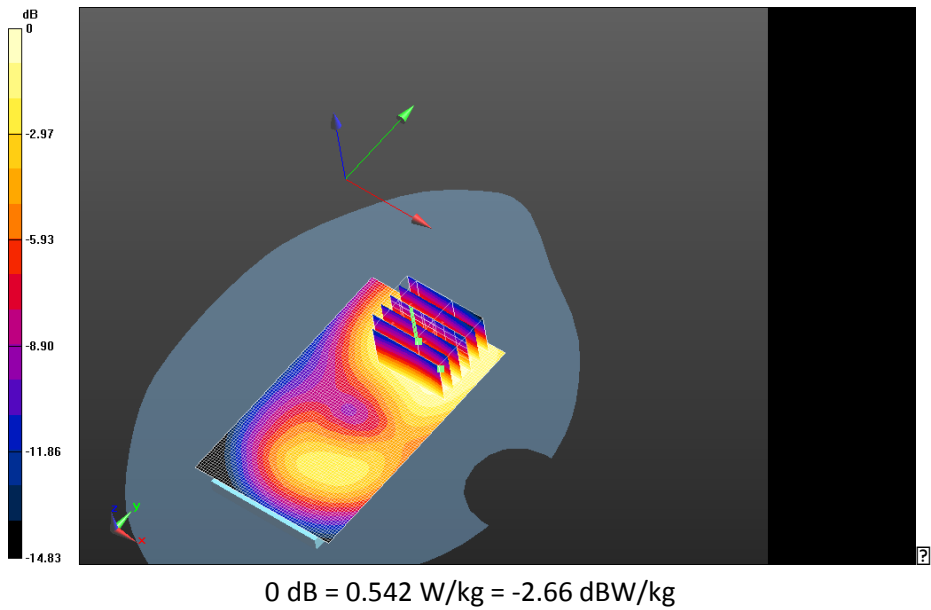
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm

Reference Value = 8.474 V/m; **Power Drift = -0.015 dB**

Averaged SAR: SAR(1g) = 0.468 W/kg; SAR(10g) = 0.306 W/kg

Maximum value of SAR (interpolated) = 0.707 W/kg

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Body Worn MSL - CDMA 1900 BC1/15mm Device Front- CDMA 1900

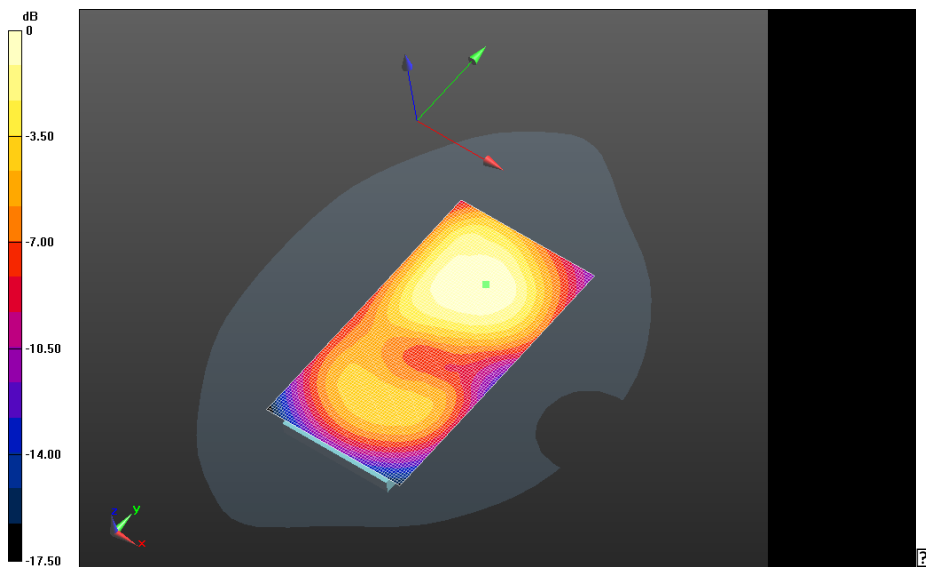
BC1_chan600_amb_temp_23.1C_liq_temp_22.3C/Area Scan (61x111x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 12.681 V/m; **Power Drift = 0.016 dB**

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

Maximum value of SAR (interpolated) = 0.823 W/kg



0 dB = 0.542 W/kg = -2.66 dBW/kg

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Body Worn MSL - CDMA 1900 BC1/Holster Device Front - CDMA 1900

BC1_chan600_amb_temp_23.4C_liq_temp_22.3C/Area Scan (61x111x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Reference Value = 12.031 V/m; **Power Drift = 0.141 dB**

Body Worn MSL - CDMA 1900 BC1/Holster Device Front - CDMA 1900

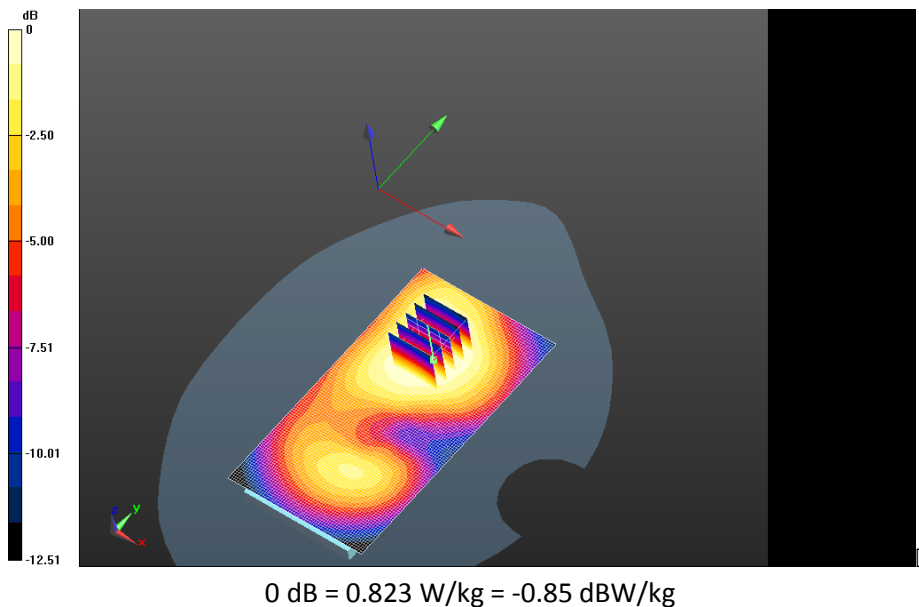
BC1_chan600_amb_temp_23.4C_liq_temp_22.3C/Zoom Scan (21x21x36)/Cube 0: Interpolated

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

Reference Value = 12.031 V/m; **Power Drift = 0.141 dB**

Averaged SAR: SAR(1g) = 0.417 W/kg; SAR(10g) = 0.280 W/kg

Maximum value of SAR (interpolated) = 0.618 W/kg



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802.11b Full power (RGB141LW)

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Date: 8/7/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - 802.11g

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 50.699$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.35,4.35,4.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - 802.11g/15mm Device Back -

802.11g_chan6_amb_temp_23.3C_liq_temp_21.1C/Area Scan (81x131x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.293 W/kg

Body Worn MSL - 802.11g/15mm Device Back -

802.11g_chan6_amb_temp_23.3C_liq_temp_21.1C/Zoom Scan (31x31x36)/Cube 0:

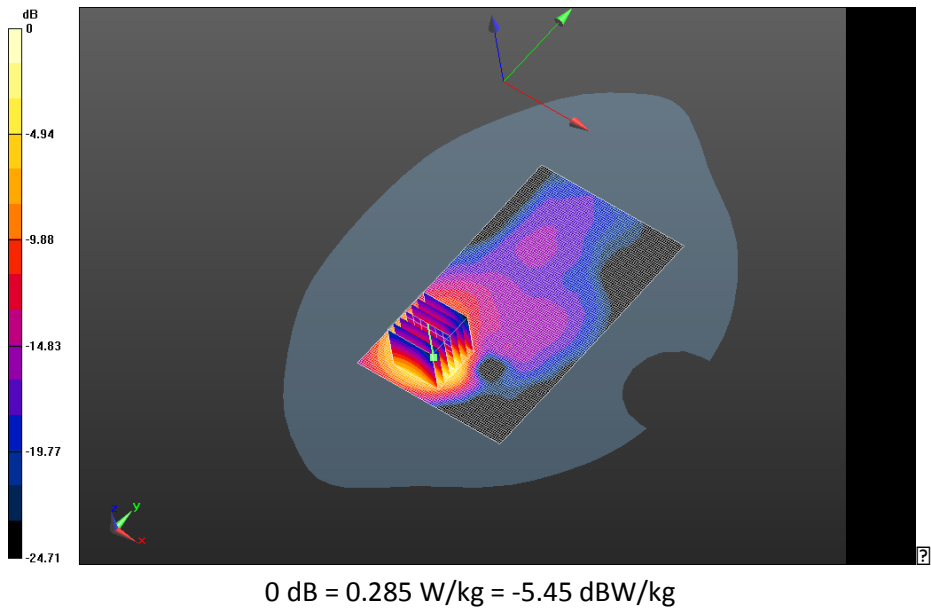
Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm, $dz=1.000$ mm

Reference Value = 11.826 V/m; **Power Drift = 0.022 dB**

Averaged SAR: SAR(1g) = 0.221 W/kg; SAR(10g) = 0.107 W/kg

Maximum value of SAR (interpolated) = 0.454 W/kg

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Body Worn MSL - 802.11g/15mm Device Front -

802.11g_chan6_amb_temp_23.1C_liq_temp_21.5C/Area Scan (81x131x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0849 W/kg

Body Worn MSL - 802.11g/15mm Device Front -

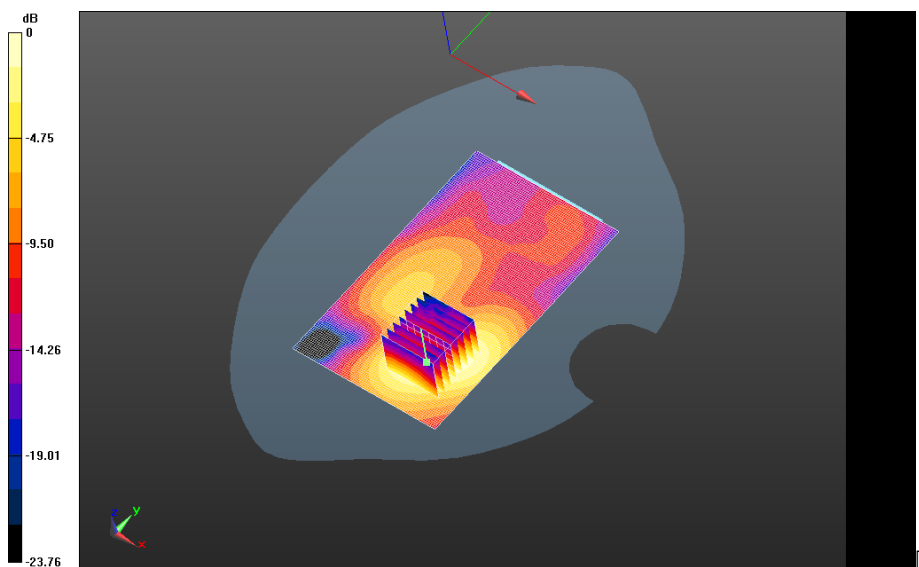
802.11g_chan6_amb_temp_23.1C_liq_temp_21.5C/Zoom Scan (36x36x36)/Cube 0:

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

Reference Value = 6.672 V/m; **Power Drift = -0.104 dB**

Averaged SAR: SAR(1g) = 0.0672 W/kg; SAR(10g) = 0.0364 W/kg

Maximum value of SAR (interpolated) = 0.128 W/kg



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

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Body Worn MSL - 802.11g/Holster Device Back -

802.11g_chan6_amb_temp_23.2C_liq_temp_21.5C/Area Scan (81x131x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.138 W/kg

Body Worn MSL - 802.11g/Holster Device Back -

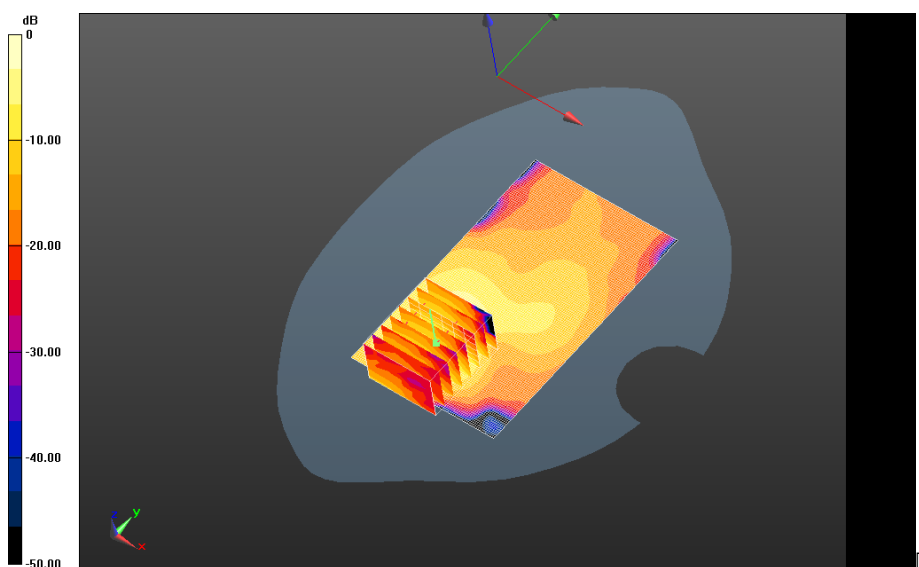
802.11g_chan6_amb_temp_23.2C_liq_temp_21.5C/Zoom Scan (31x36x36)/Cube 0:

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

Reference Value = 8.093 V/m; **Power Drift = -0.00741 dB**

Averaged SAR: SAR(1g) = 0.107 W/kg; SAR(10g) = 0.0547 W/kg

Maximum value of SAR (interpolated) = 0.210 W/kg



0 dB = 0.0833 W/kg = -10.79 dBW/kg

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802.11g CDMA BC10 Power Level (RGB141LW)

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Author Data Andrew Becker	Dates of Test June 11 – August 16,2013	Test Report No RTS-6046-1308-39 Rev 2	FCC ID: L6ARGB140LW	IC

Date: 7/25/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - 802.11g

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 2.022$ S/m; $\epsilon_r = 50.993$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.35,4.35,4.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - 802.11g/15mm Device Back -

802.11b_chan6_amb_temp_23.3C_liq_temp_21.1C/Area Scan (81x111x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.159 W/kg

Body Worn MSL - 802.11g/15mm Device Back -

802.11b_chan6_amb_temp_23.3C_liq_temp_21.1C/Zoom Scan (31x31x36)/Cube 0:

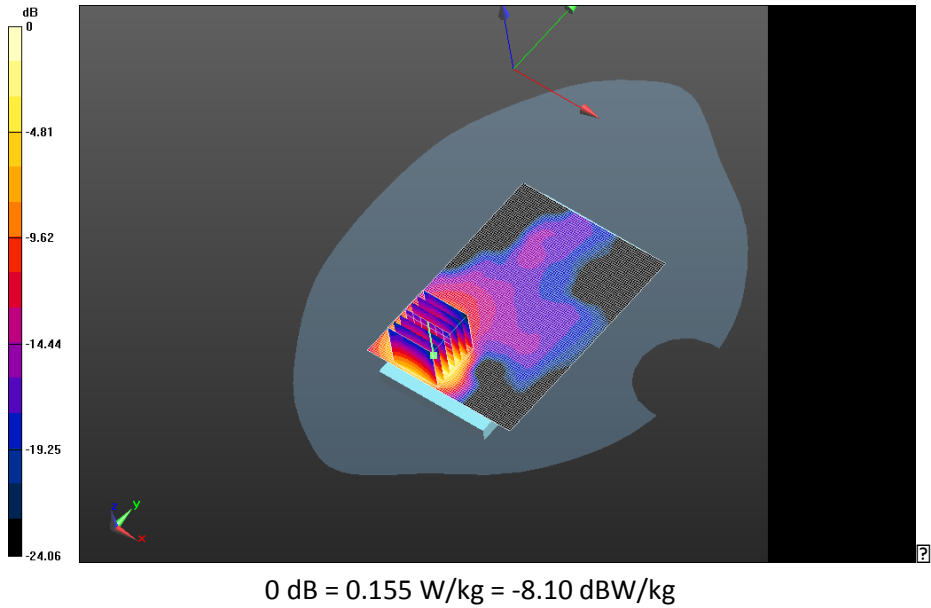
Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm, $dz=1.000$ mm

Reference Value = 8.025 V/m; **Power Drift = 0.068 dB**

Averaged SAR: SAR(1g) = 0.120 W/kg; SAR(10g) = 0.0574 W/kg

Maximum value of SAR (interpolated) = 0.249 W/kg

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Body Worn MSL - 802.11g/15mm Device Front -

802.11b_chan6_amb_temp_23.1C_liq_temp_21.5C/Area Scan (81x111x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0416 W/kg

Body Worn MSL - 802.11g/15mm Device Front -

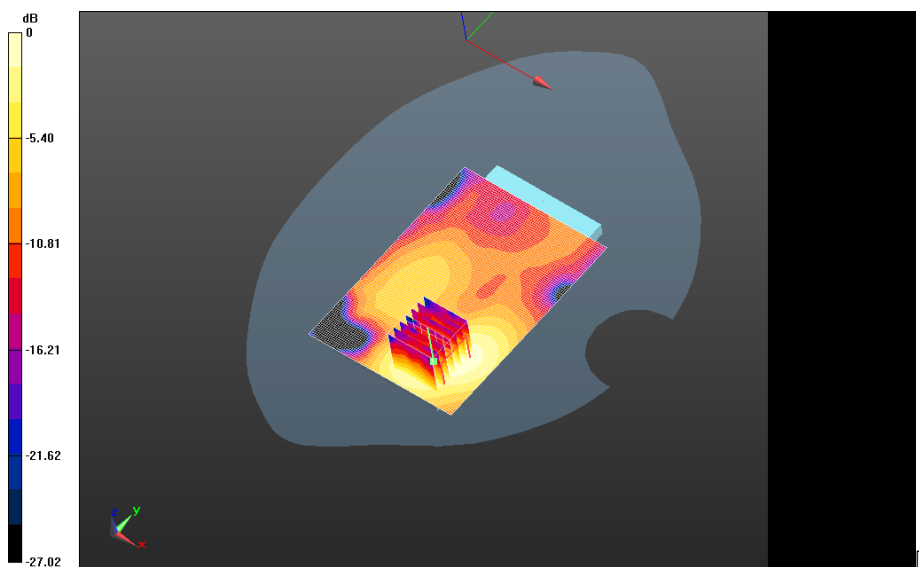
802.11b_chan6_amb_temp_23.1C_liq_temp_21.5C/Zoom Scan (31x31x36)/Cube 0:

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

Reference Value = 4.613 V/m; **Power Drift = 0.149 dB**

Averaged SAR: SAR(1g) = 0.0338 W/kg; SAR(10g) = 0.0184 W/kg

Maximum value of SAR (interpolated) = 0.0649 W/kg



0 dB = 0.155 W/kg = -8.10 dBW/kg

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Body Worn MSL - 802.11g/Holster Device Back -

802.11b_chan6_amb_temp_23.2C_liq_temp_21.5C/Area Scan (81x111x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.000635 W/kg

Body Worn MSL - 802.11g/Holster Device Back -

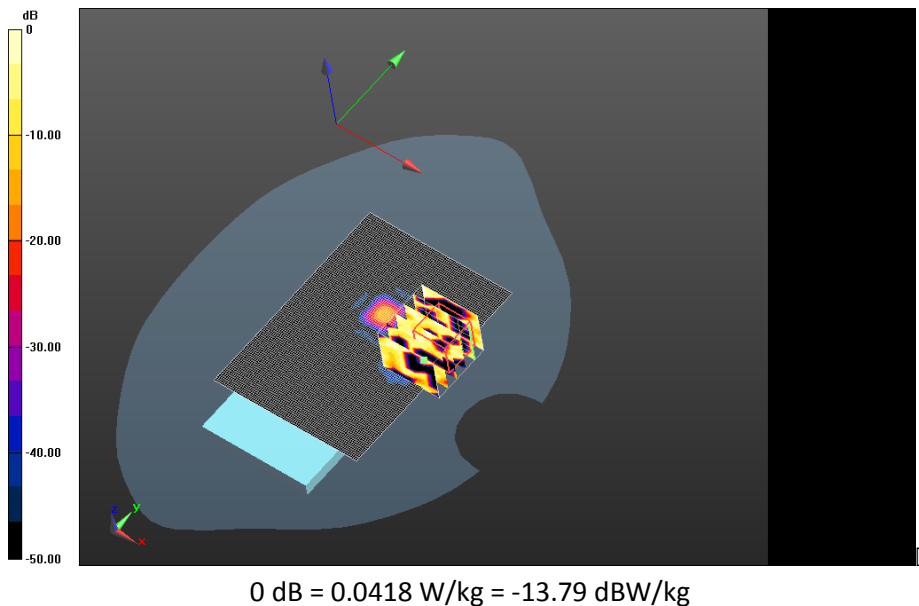
802.11b_chan6_amb_temp_23.2C_liq_temp_21.5C/Zoom Scan (26x26x36)/Cube 0:

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

Reference Value = 0.885 V/m; **Power Drift = 0.265 dB**

Averaged SAR: SAR(1g) = 0.0000128 W/kg; SAR(10g) = 0.00000171 W/kg

Maximum value of SAR (interpolated) = 0.000658 W/kg

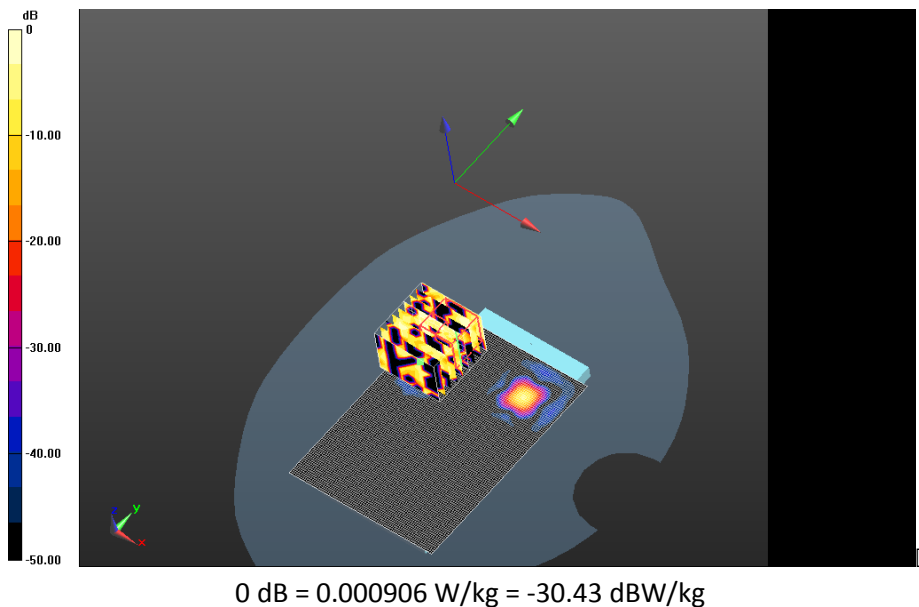


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Body Worn MSL - 802.11g/Holster Device Front -
802.11b_chan6_amb_temp_23.2C_liq_temp_21.5C/Area Scan (81x111x1): Interpolated grid:
dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.000742 W/kg

Body Worn MSL - 802.11g/Holster Device Front -
802.11b_chan6_amb_temp_23.2C_liq_temp_21.5C/Zoom Scan (41x41x36)/Cube 0:
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 0.812 V/m; **Power Drift = 0.334 dB**

Averaged SAR: SAR(1g) = 0.000130 W/kg; SAR(10g) = 0.0000289 W/kg
Maximum value of SAR (interpolated) = 0.00124 W/kg



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802.11g SVLTE CDMA BC1

25 Power level

(RGB141LW)

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Author Data Andrew Becker	Dates of Test June 11 – August 16,2013	Test Report No RTS-6046-1308-39 Rev 2	FCC ID: L6ARGB140LW	IC

Date: 8/7/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA

Configuration: Body Worn MSL - 802.11g

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz

Medium Parameters used: $f=2437$ MHz; $\sigma = 1.951$ S/m; $\epsilon_r = 50.699$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF: (4.35,4.35,4.35); Calibrated: 1/10/2013;
- Sensor-Surface: 3 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Worn MSL - 802.11g/15mm Device Back -

802.11g_chan6_amb_temp_23.3C_liq_temp_21.1C/Area Scan (81x131x1): Interpolated grid:

$dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0418 W/kg

Body Worn MSL - 802.11g/15mm Device Back -

802.11g_chan6_amb_temp_23.3C_liq_temp_21.1C/Zoom Scan (31x31x36)/Cube 0:

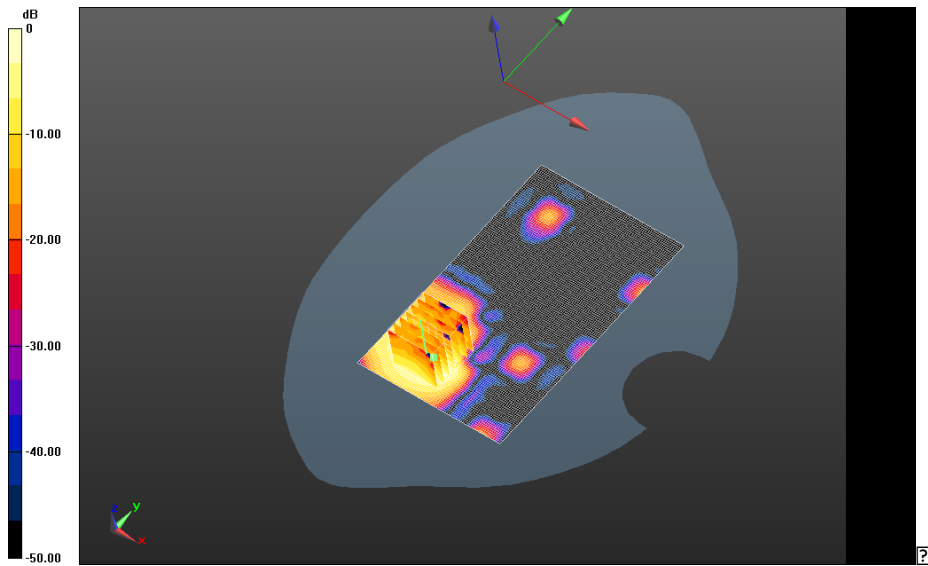
Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm, $dz=1.000$ mm

Reference Value = 4.303 V/m; **Power Drift = -0.065 dB**

Averaged SAR: SAR(1g) = 0.0286 W/kg; SAR(10g) = 0.0136 W/kg

Maximum value of SAR (interpolated) = 0.0591 W/kg

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0 dB = 0.0365 W/kg = -14.38 dBW/kg

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Body Worn MSL - 802.11g/15mm Device Front -

802.11g_chan6_amb_temp_23.1C_liq_temp_21.5C/Area Scan (81x131x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0108 W/kg

Body Worn MSL - 802.11g/15mm Device Front -

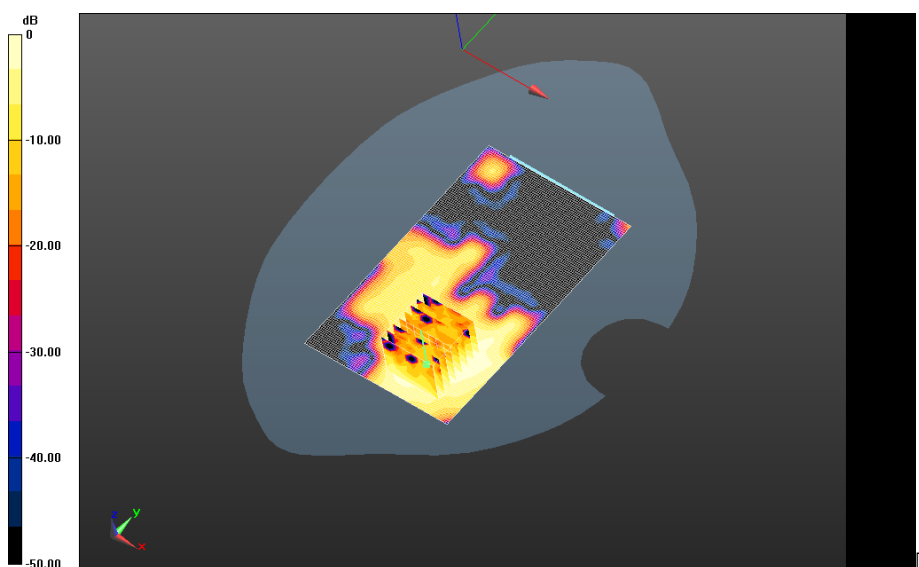
802.11g_chan6_amb_temp_23.1C_liq_temp_21.5C/Zoom Scan (36x36x36)/Cube 0:

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

Reference Value = 2.503 V/m; **Power Drift = 0.092 dB**

Averaged SAR: SAR(1g) = 0.00890 W/kg; SAR(10g) = 0.00461 W/kg

Maximum value of SAR (interpolated) = 0.0158 W/kg



0 dB = 0.0365 W/kg = -14.38 dBW/kg

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Body Worn MSL - 802.11g/Holster Device Back -

802.11g_chan6_amb_temp_23.2C_liq_temp_21.5C/Area Scan (81x131x1): Interpolated grid:

dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.000645 W/kg

Body Worn MSL - 802.11g/Holster Device Back -

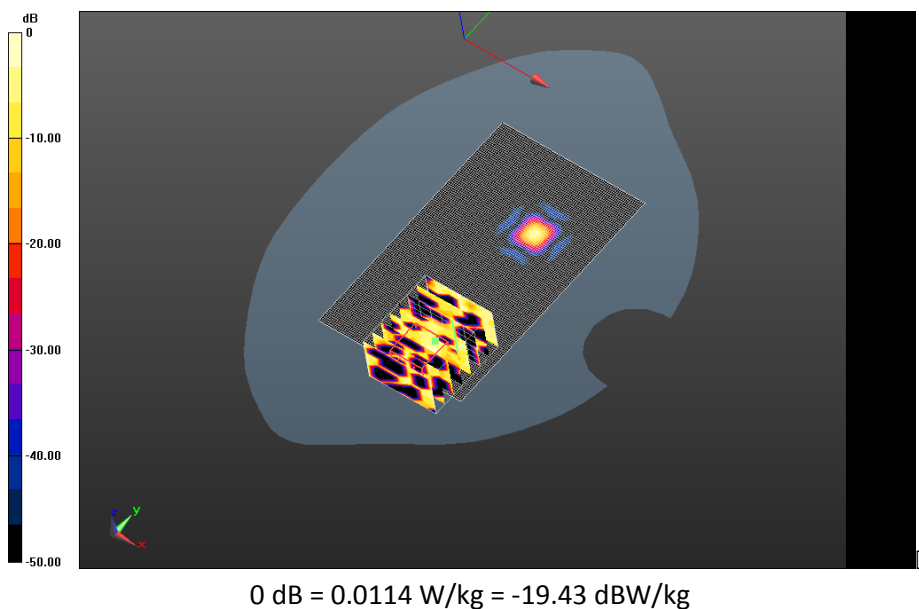
802.11g_chan6_amb_temp_23.2C_liq_temp_21.5C/Zoom Scan (31x36x36)/Cube 0:

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

Reference Value = 0.910 V/m; **Power Drift = -0.254 dB**

Averaged SAR: SAR(1g) = 0.000125 W/kg; SAR(10g) = 0.0000225 W/kg

Maximum value of SAR (interpolated) = 0.00126 W/kg



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802.11a, CDMA BC1_power level (RGB141LW)

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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - 802.11a 5200 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 5.406$ S/m; $\epsilon_r = 49.943$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.68,4.68,4.68); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

802.11a_chan36_low_band_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan

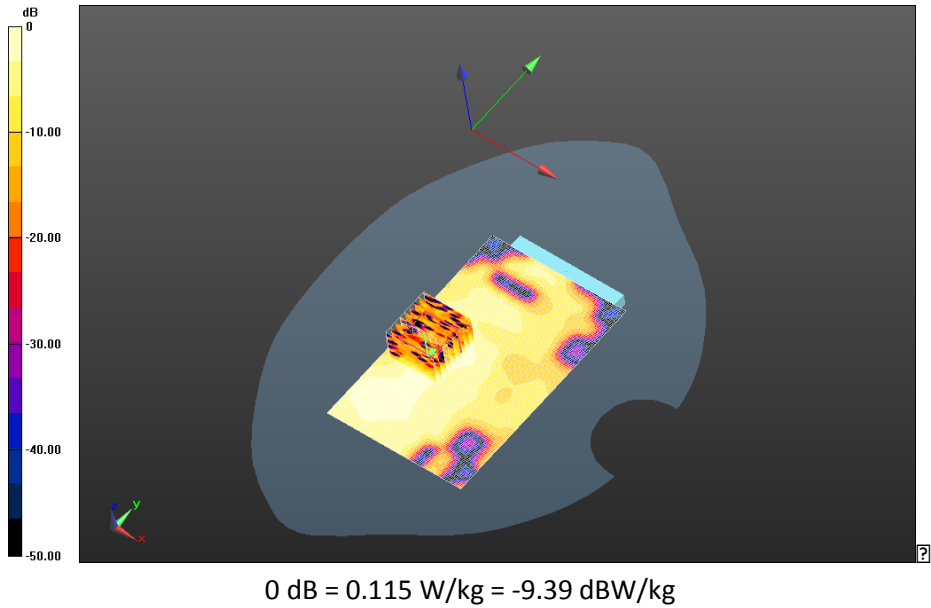
(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 5.221 V/m; **Power Drift = -0.191 dB**

Averaged SAR: SAR(1g) = 0.0633 W/kg; SAR(10g) = 0.0250 W/kg

Maximum value of SAR (interpolated) = 0.241 W/kg

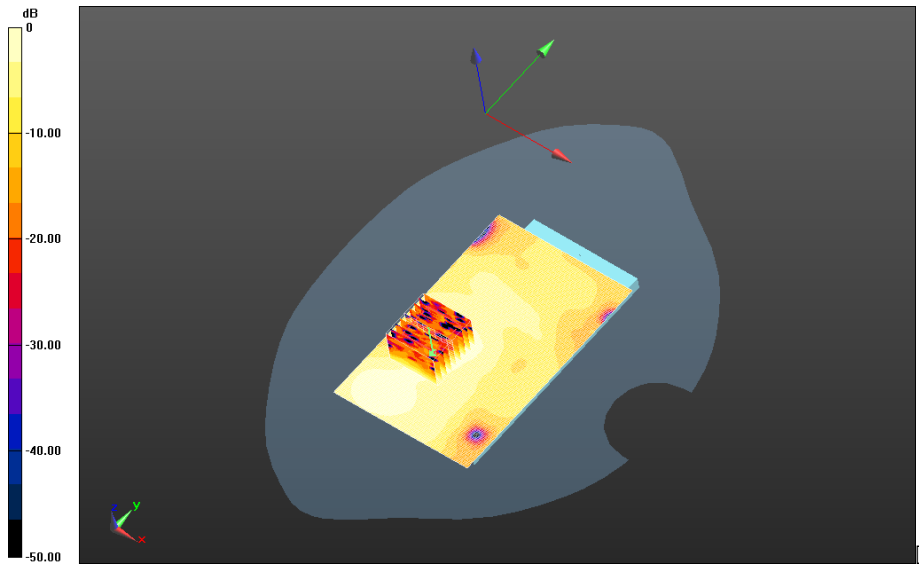
	Document Appendix C1 for the BlackBerry® Smartphone Model RGB141LW SAR Report Rev 2			Page 57(72)
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Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -
802.11a_chan52_low_band_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan
(41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 4.298 V/m; **Power Drift = -0.135 dB**

Averaged SAR: SAR(1g) = 0.161 W/kg; SAR(10g) = 0.0634 W/kg
Maximum value of SAR (interpolated) = 0.552 W/kg

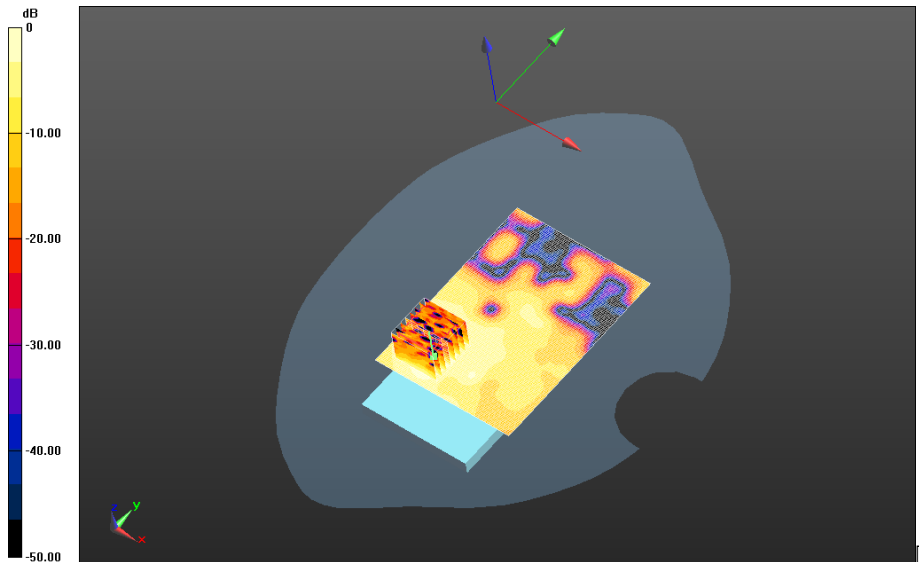


0 dB = 0.115 W/kg = -9.39 dBW/kg

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Body Worn MSL - 802.11a 5200 MHz/Holster Device Back -
802.11a_chan52_low_band_Amb_Temp_23.4C_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 = 2.696 V/m; **Power Drift = -0.088 dB**

Averaged SAR: SAR(1g) = 0.0943 W/kg; SAR(10g) = 0.0354 W/kg
Maximum value of SAR (interpolated) = 0.301 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

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; $\sigma = 5.913$ S/m; $\epsilon_r = 49.261$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.15,4.15,4.15); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

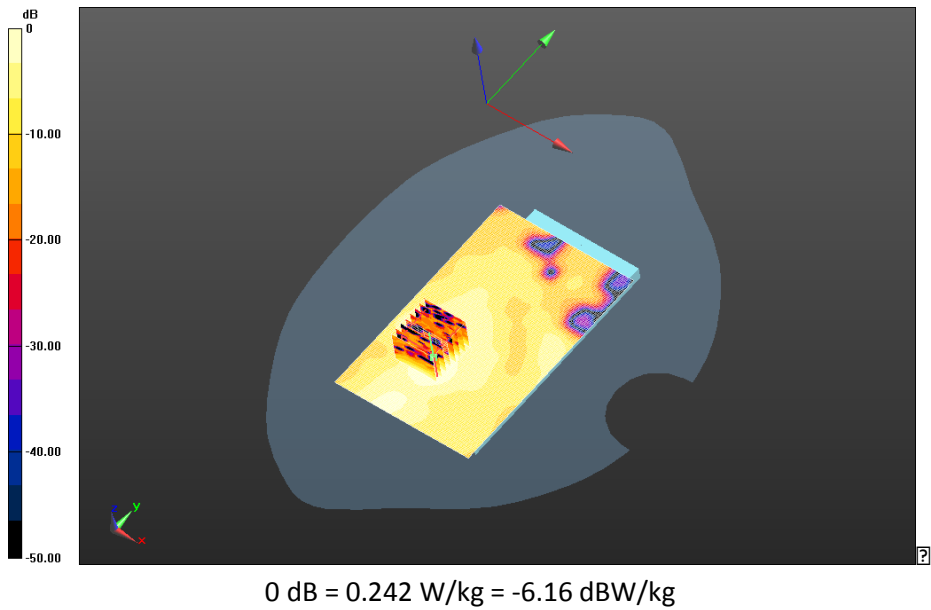
802.11n_chan104_upper_band1_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan (36x36x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 7.036 V/m; **Power Drift = 0.043 dB**

Averaged SAR: SAR(1g) = 0.137 W/kg; SAR(10g) = 0.0513 W/kg

Maximum value of SAR (interpolated) = 0.521 W/kg

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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - 802.11a 5800 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz

Medium Parameters used: $f=5745$ MHz; $\sigma = 6.160$ S/m; $\epsilon_r = 48.197$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.19,4.19,4.19); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

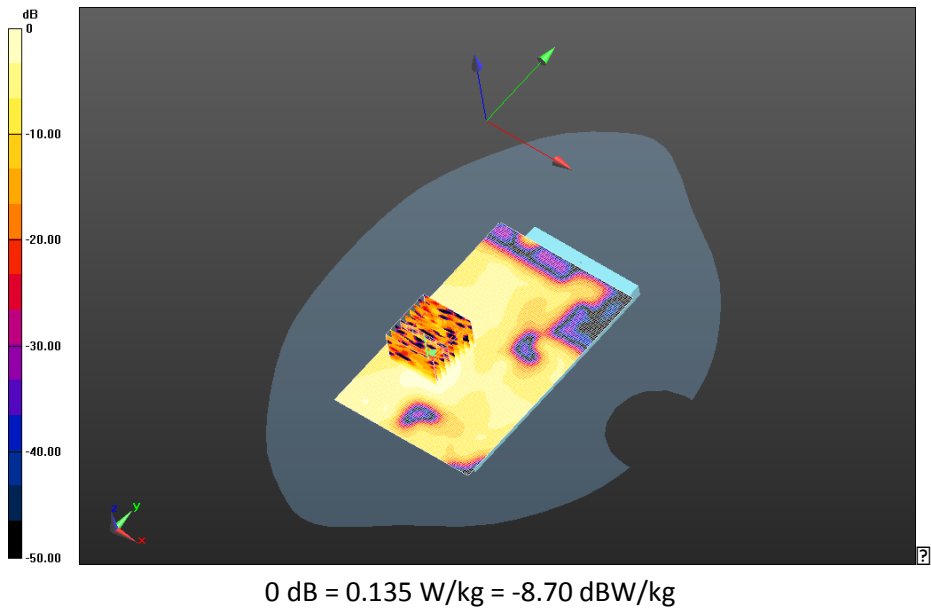
802.11a_chan149_upper_bandII_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 5.653 V/m; **Power Drift = -0.013 dB**

Averaged SAR: SAR(1g) = 0.0720 W/kg; SAR(10g) = 0.0284 W/kg

Maximum value of SAR (interpolated) = 0.252 W/kg

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802.11a, SvLTE_CDMA BC1_25_power level (RGB141LW)

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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - 802.11a 5200 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5180 MHz

Medium Parameters used: $f=5180$ MHz; $\sigma = 5.406$ S/m; $\epsilon_r = 49.943$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.68,4.68,4.68); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

802.11a_chan36_low_band_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan

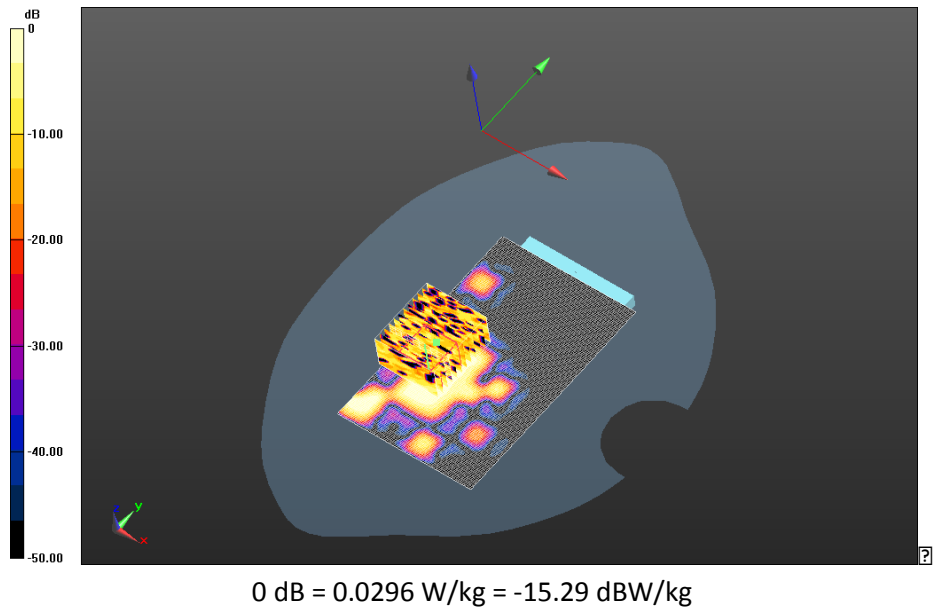
(51x56x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 2.386 V/m; **Power Drift = 0.140 dB**

Averaged SAR: SAR(1g) = 0.0131 W/kg; SAR(10g) = 0.00478 W/kg

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

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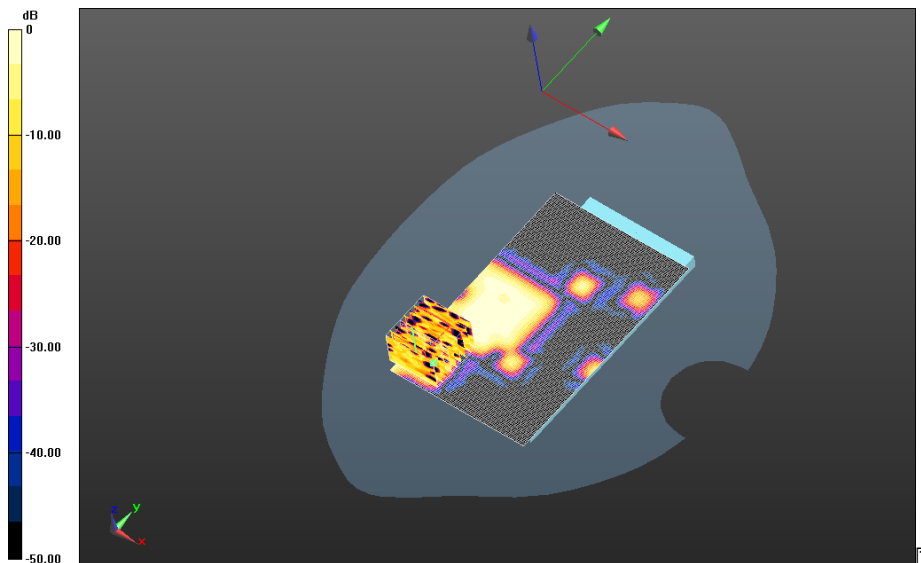
Body Worn MSL - 802.11a 5200 MHz/15mm Device Back -

802.11a_chan52_low_band_Amb_Temp_23.4C_Liquid_Temp_21.8C/Zoom Scan (41x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 2.970 V/m; **Power Drift = -0.179 dB**

Averaged SAR: SAR(1g) = 0.0190 W/kg; SAR(10g) = 0.00593 W/kg

Maximum value of SAR (interpolated) = 0.243 W/kg



0 dB = 0.0296 W/kg = -15.29 dBW/kg

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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

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; $\sigma = 5.913$ S/m; $\epsilon_r = 49.261$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.15,4.15,4.15); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

802.11a_chan104_upper_band1_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan

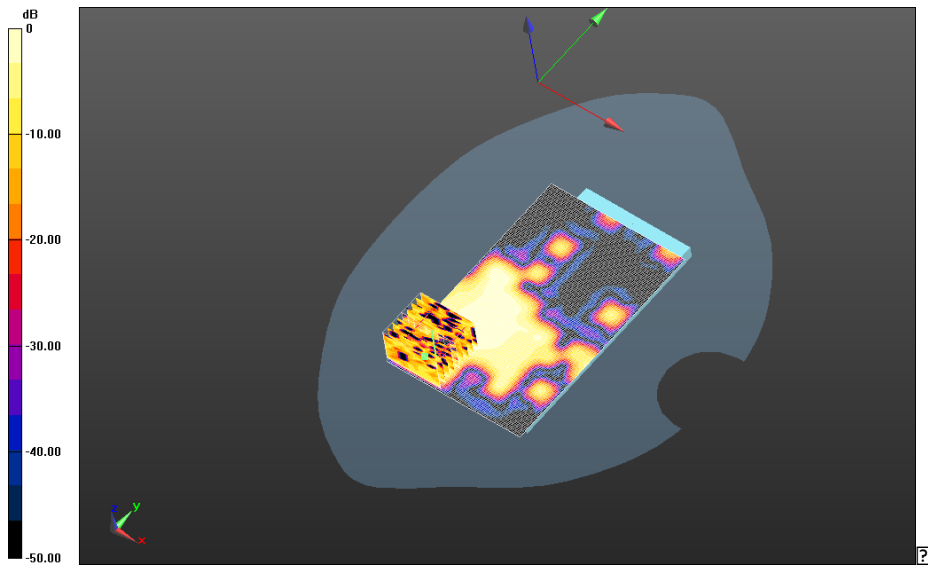
(46x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.691 V/m; **Power Drift = 0.033 dB**

Averaged SAR: SAR(1g) = 0.0276 W/kg; SAR(10g) = 0.0100 W/kg

Maximum value of SAR (interpolated) = 0.317 W/kg

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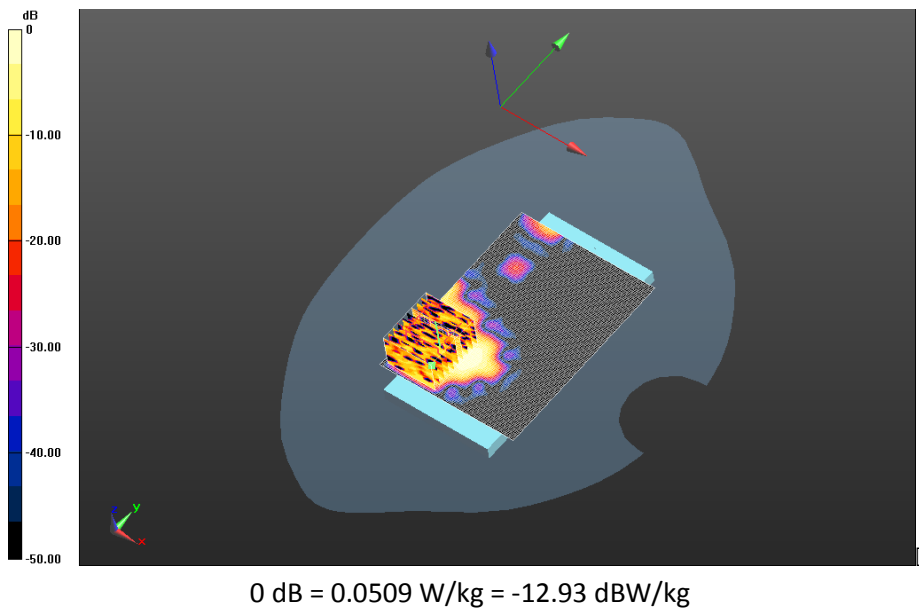


0 dB = 0.0509 W/kg = -12.93 dBW/kg

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Body Worn MSL - 802.11a 5500 MHz/Holster Device Back -
802.11a_chan104_upper_bandI_Amb_Temp_23.4C_Liquid_Temp_21.8C/Zoom Scan
(41x46x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm
Reference Value = 3.871 V/m; **Power Drift = 0.115 dB**

Averaged SAR: SAR(1g) = 0.0271 W/kg; SAR(10g) = 0.0104 W/kg
Maximum value of SAR (interpolated) = 0.127 W/kg



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Date: 8/9/2013

Test Lab: RIM Testing Services

DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691

Configuration: Body Worn MSL - 802.11a 5800 MHz

Communication System: 802.11a; Communication System Band: Low and Mid Bands; Frequency: 5745 MHz

Medium Parameters used: $f=5745$ MHz; $\sigma = 6.160$ S/m; $\epsilon_r = 48.197$; $\rho = 1.000$ g/cm³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3548; ConvF: (4.19,4.19,4.19); Calibrated: 1/15/2013;
- Sensor-Surface: 2 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn881; Calibrated: 1/14/2013
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

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

802.11a_chan149_upper_bandII_Amb_Temp_23.4C_Liquid_Temp_21.7C/Zoom Scan (56x41x61)/Cube 0: Interpolated grid: dx=0.800 mm, dy=0.800 mm, dz=0.400 mm

Reference Value = 3.146 V/m; **Power Drift = -0.197 dB**

Averaged SAR: SAR(1g) = 0.0211 W/kg; SAR(10g) = 0.00845 W/kg

Maximum value of SAR (interpolated) = 0.197 W/kg

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