## APPENDIX C2: SAR DISTRIBUTION PLOTS FOR HOT SPOT CONFIGURATION

# GPRS 850

Date: 6/25/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 333E285E**

## Configuration: Mobile Hot Spot MSL - GPRS 850

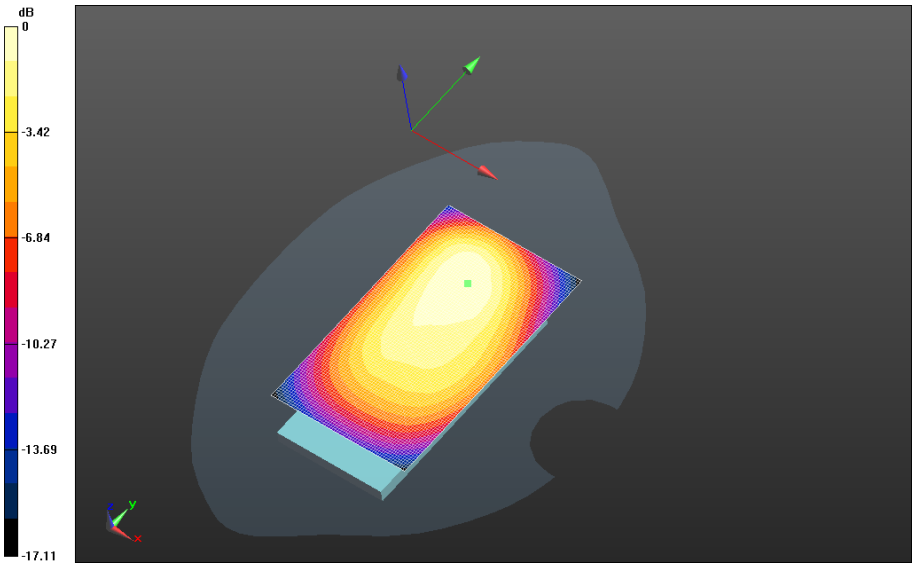
Communication System: GSM 850; Communication System Band: GSM 850; Frequency: 836.8 MHz
Medium Parameters used: f=836.8 MHz; $\sigma$ = 0.956 S/m; $\varepsilon_r$ = 52.829; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**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)

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GSM850_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.695 V/m; **Power Drift = 0.075 dB**

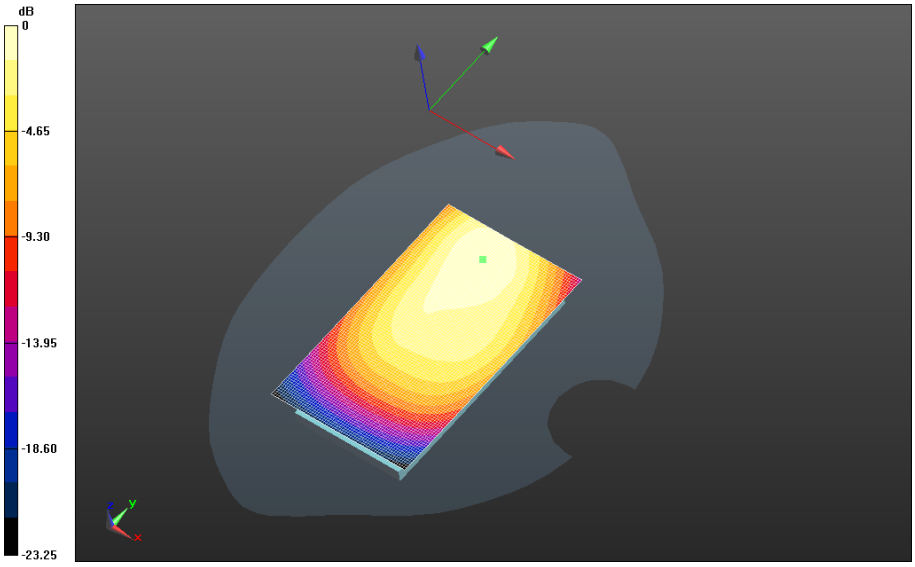
**Fast SAR: SAR(1g) = 0.641 W/kg; SAR(10g) = 0.442 W/kg**
Maximum value of SAR (interpolated) = 0.717 W/kg




0 dB = 0.717 W/kg = -1.44 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.890 V/m; **Power Drift = 0.044 dB**

**Fast SAR: SAR(1g) = 0.778 W/kg; SAR(10g) = 0.532 W/kg**
Maximum value of SAR (interpolated) = 0.887 W/kg

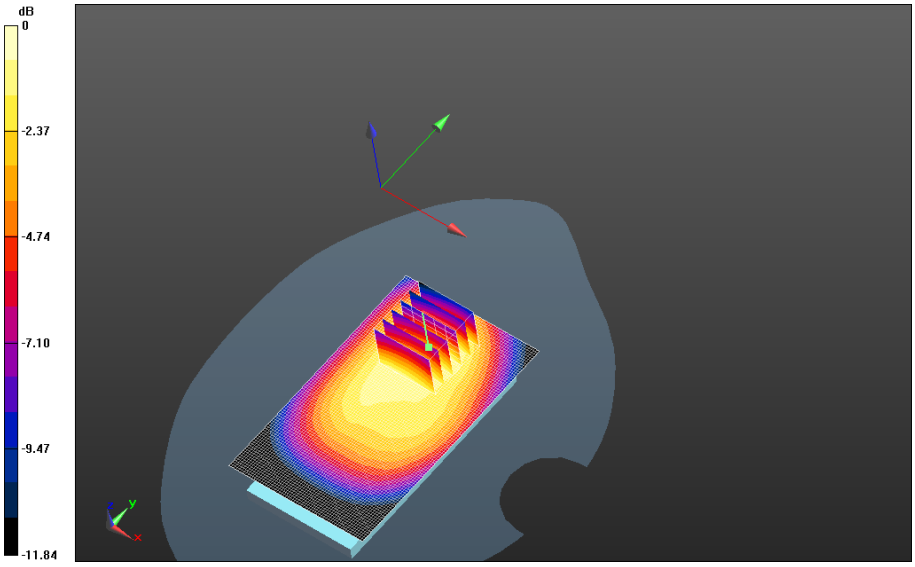



0 dB = 0.717 W/kg = -1.44 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan128_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.570 V/m; **Power Drift = -0.026 dB**

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan128_amb_temp_22.8C_liq_temp_21.1C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 26.570 V/m; **Power Drift = -0.026 dB**

**Averaged SAR: SAR(1g) = 0.783 W/kg; SAR(10g) = 0.558 W/kg**
Maximum value of SAR (interpolated) = 1.07 W/kg

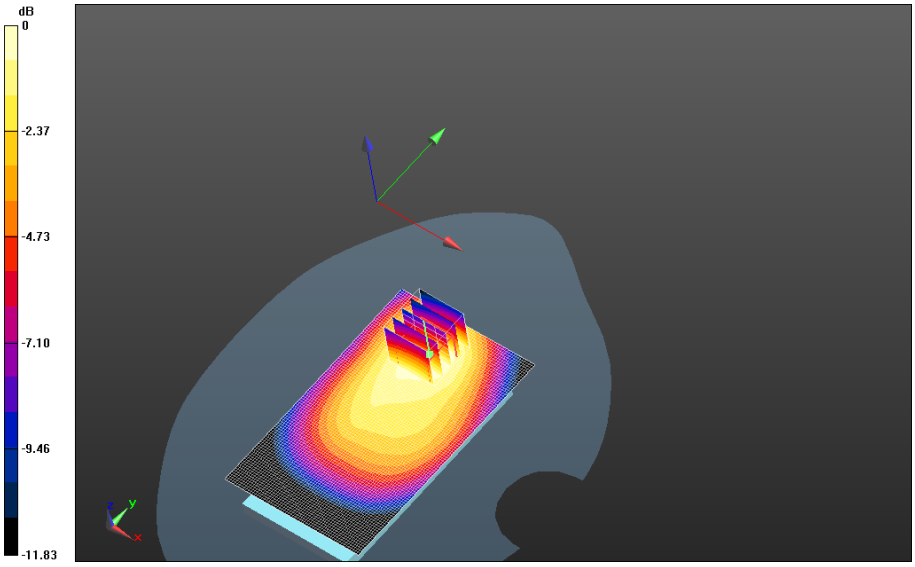



0 dB = 0.887 W/kg = -0.52 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 28.173 V/m; **Power Drift = -0.062 dB**

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 28.173 V/m; **Power Drift = -0.062 dB**

**Averaged SAR: SAR(1g) = 0.971 W/kg; SAR(10g) = 0.687 W/kg**
Maximum value of SAR (interpolated) = 1.33 W/kg

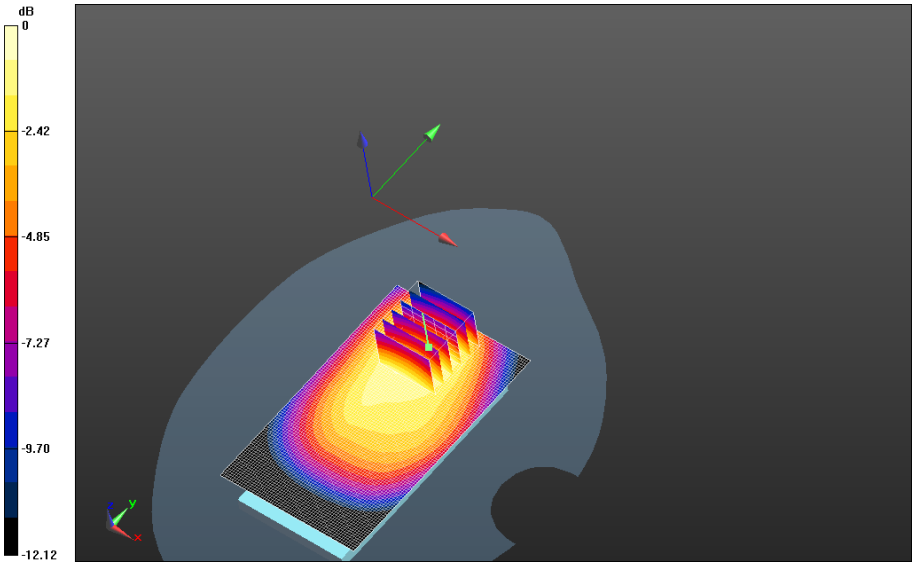



0 dB = 0.888 W/kg = -0.52 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C_2nd/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 27.761 V/m; **Power Drift = -0.038 dB**

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C_2nd/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 27.761 V/m; **Power Drift = -0.038 dB**

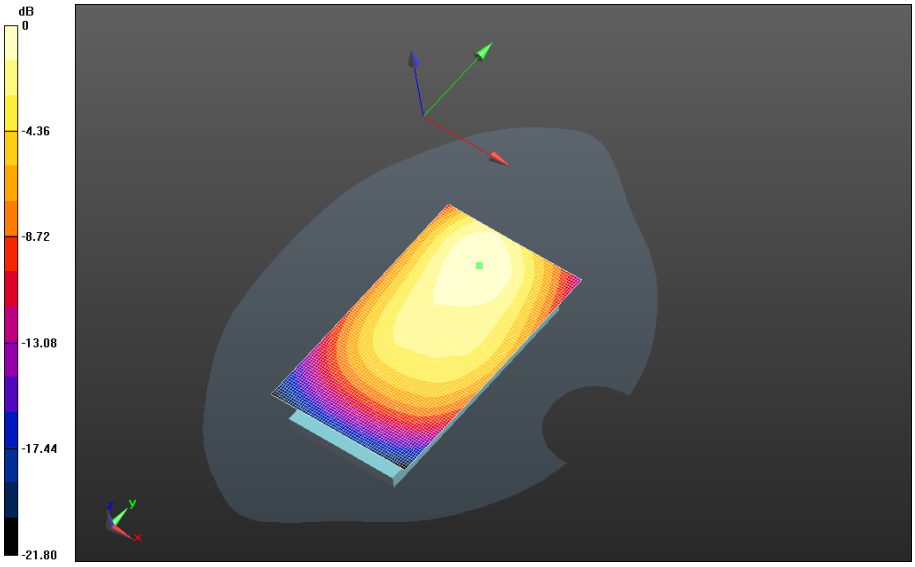
**Averaged SAR: SAR(1g) = 0.958 W/kg; SAR(10g) = 0.677 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg




0 dB = 1.10 W/kg = 0.41 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan251_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 26.048 V/m; **Power Drift = 0.013 dB**

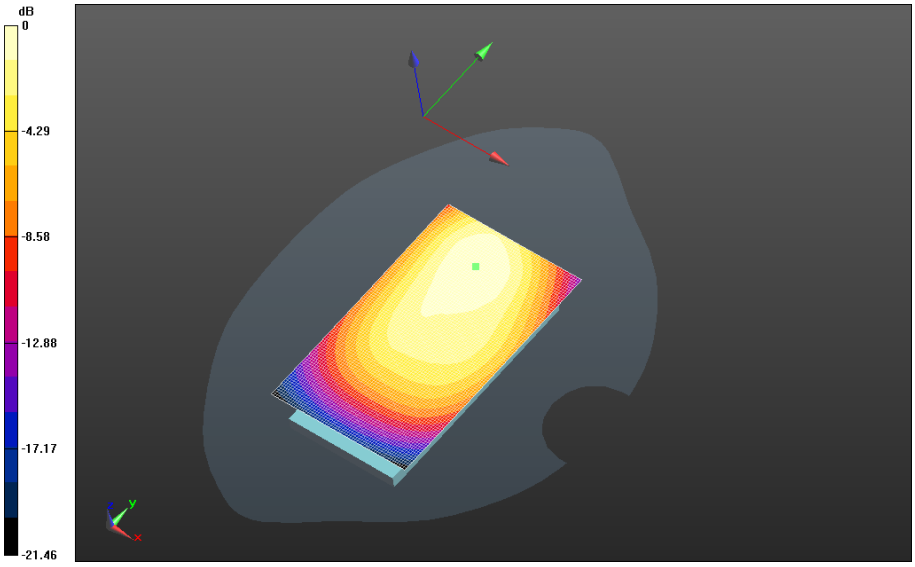
**Fast SAR: SAR(1g) = 0.918 W/kg; SAR(10g) = 0.630 W/kg**
Maximum value of SAR (interpolated) = 1.04 W/kg




0 dB = 1.08 W/kg = 0.33 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_4-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.701 V/m; **Power Drift = -0.043 dB**

**Fast SAR: SAR(1g) = 0.810 W/kg; SAR(10g) = 0.559 W/kg**
Maximum value of SAR (interpolated) = 0.917 W/kg

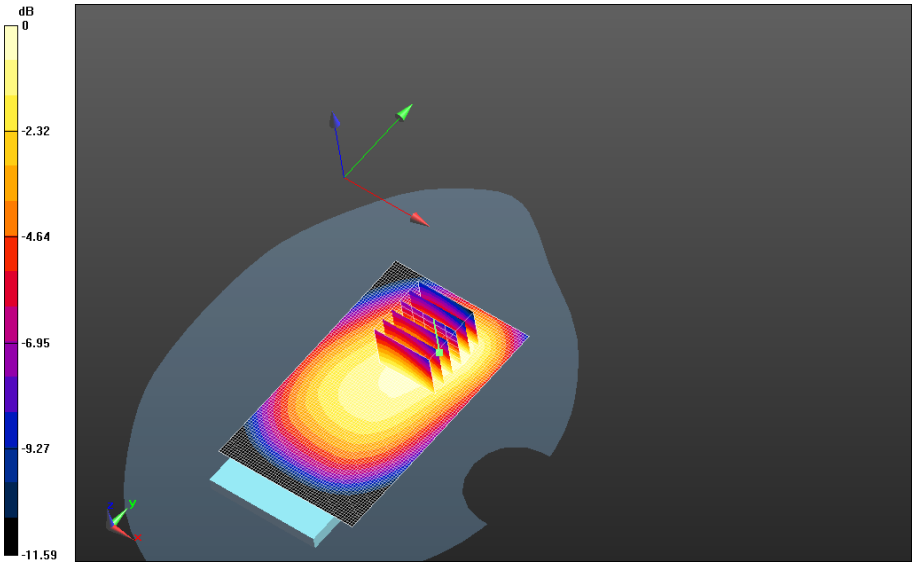



0 dB = 1.04 W/kg = 0.17 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS850_chan190_amb_temp_23.6C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 27.055 V/m; **Power Drift = -0.017 dB**

**Mobile Hot Spot MSL - GPRS 850/10mm Device Front - GPRS850_chan190_amb_temp_23.6C_liq_temp_22.5C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 27.055 V/m; **Power Drift = -0.017 dB**

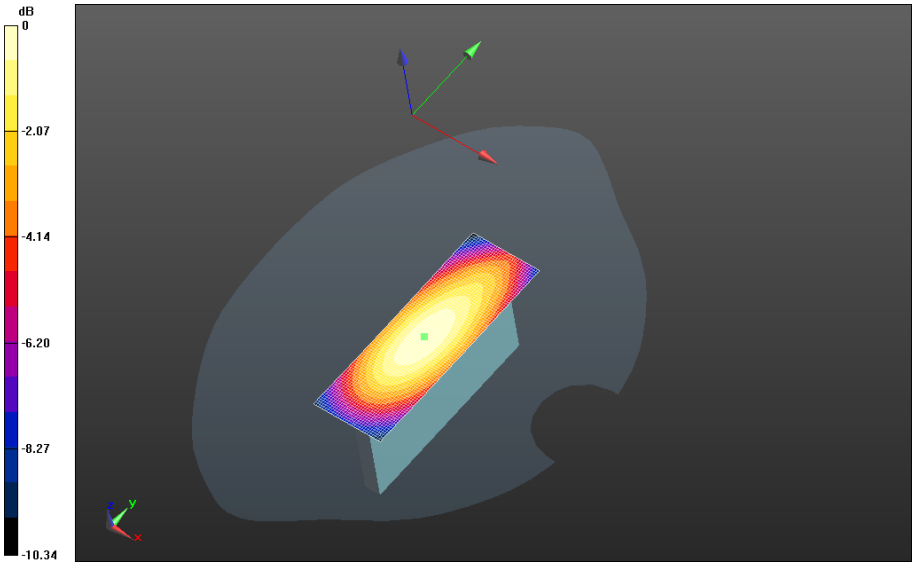
**Averaged SAR: SAR(1g) = 0.749 W/kg; SAR(10g) = 0.548 W/kg**
Maximum value of SAR (interpolated) = 0.998 W/kg




0 dB = 0.917 W/kg = -0.38 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Left - GPRS850_chan190_amb_temp_22.9C_liq_temp_21.9C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 25.661 V/m; **Power Drift = 0.079 dB**

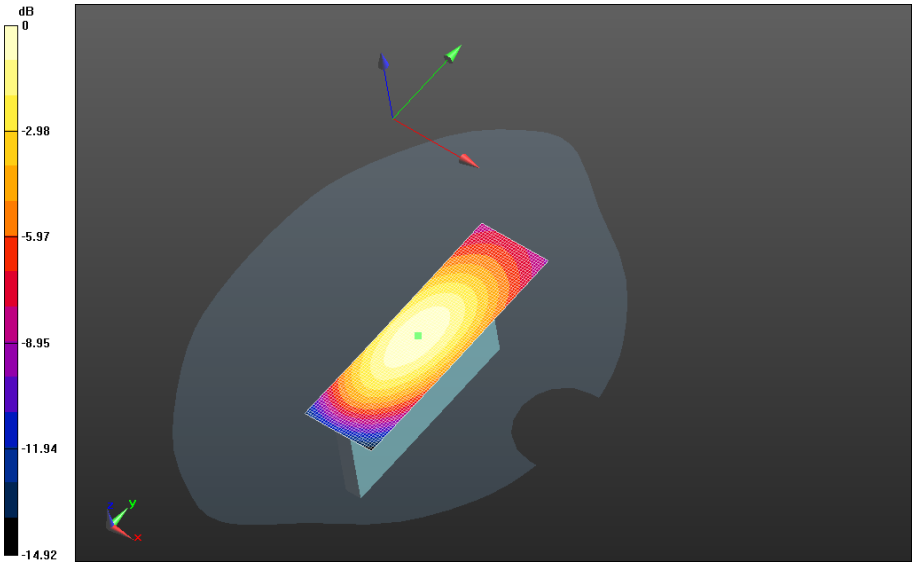
**Fast SAR: SAR(1g) = 0.516 W/kg; SAR(10g) = 0.347 W/kg**
Maximum value of SAR (interpolated) = 0.586 W/kg




0 dB = 0.836 W/kg = -0.78 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Right - GPRS850_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.276 V/m; **Power Drift = 0.065 dB**

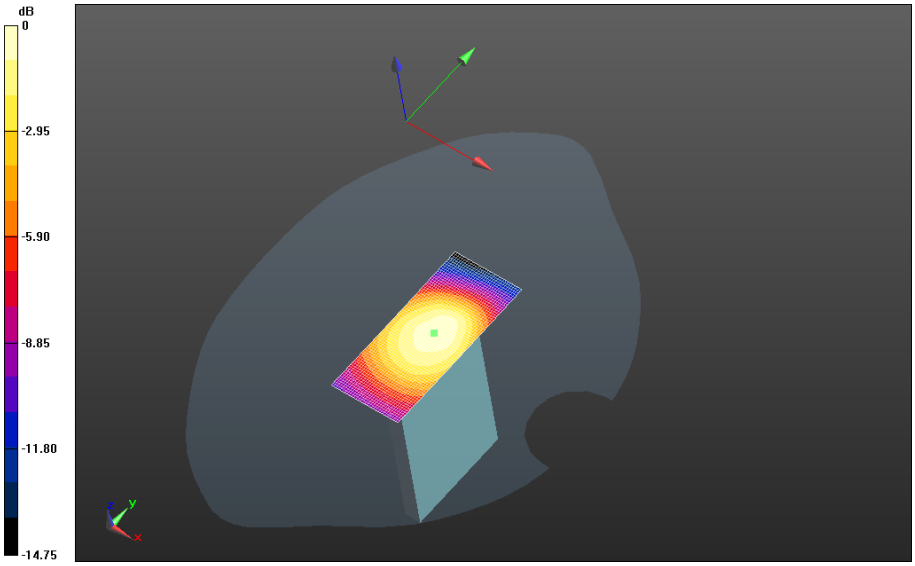
**Fast SAR: SAR(1g) = 0.394 W/kg; SAR(10g) = 0.265 W/kg**
Maximum value of SAR (interpolated) = 0.452 W/kg




0 dB = 0.586 W/kg = -2.32 dBW/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Bottom - GPRS850_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.832 V/m; **Power Drift = -0.00535 dB**

**Fast SAR: SAR(1g) = 0.268 W/kg; SAR(10g) = 0.175 W/kg**
Maximum value of SAR (interpolated) = 0.315 W/kg




0 dB = 0.452 W/kg = -3.45 dBW/kg

Date: 6/28/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7671**

## Configuration: Mobile Hot Spot 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; $\varepsilon_r$ = 53.124; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

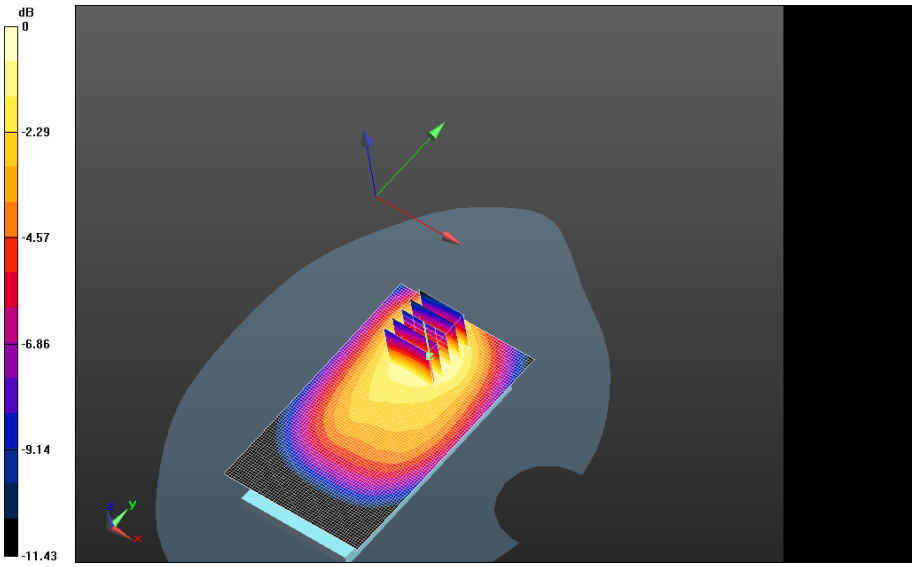
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.825 W/kg

**Mobile Hot Spot MSL - GPRS 850/10mm Device Back - GPRS850_3-Slots_chan190_amb_temp_22.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 22.307 V/m; **Power Drift = -0.036 dB**

**Averaged SAR: SAR(1g) = 0.725 W/kg; SAR(10g) = 0.502 W/kg**
Maximum value of SAR (interpolated) = 1.02 W/kg




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

# UMTS Band V

Date: 6/25/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 333E285E**

## Configuration: Mobile Hot Spot 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; $\sigma$ = 0.955 S/m; $\varepsilon_r$ = 52.833; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

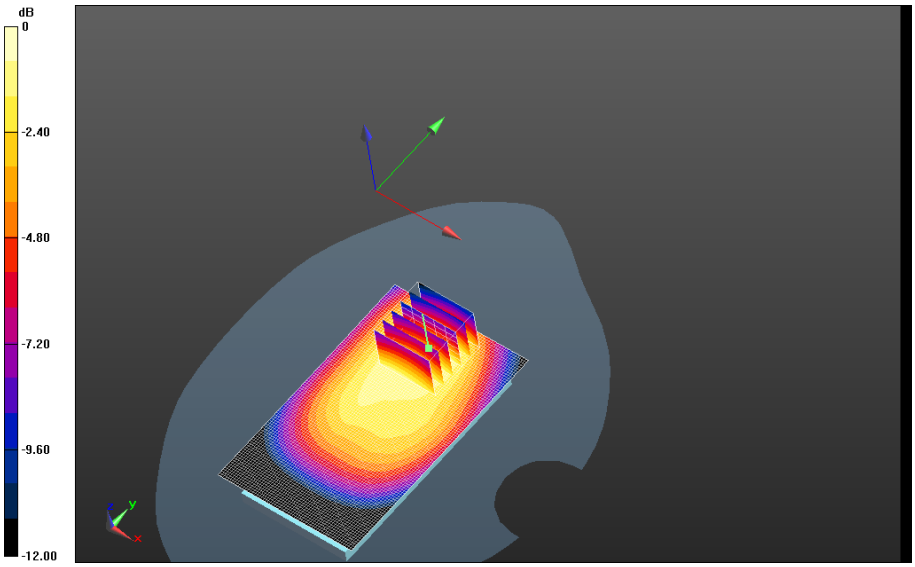
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS_band V_chan4182_amb_temp_23.5C_liq_temp_21.8C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.445 V/m; **Power Drift = -0.107 dB**

**Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS_band V_chan4182_amb_temp_23.5C_liq_temp_21.8C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 20.445 V/m; **Power Drift = -0.107 dB**

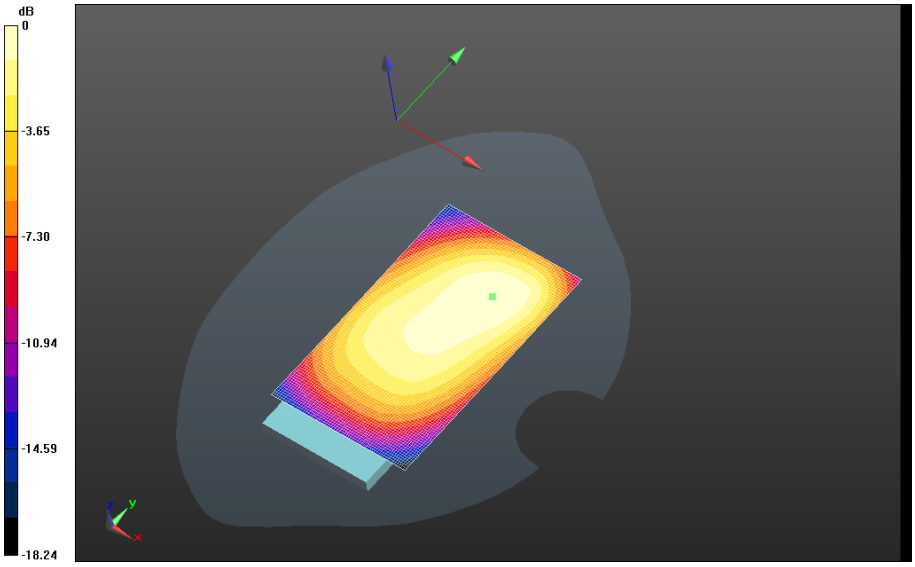
**Averaged SAR: SAR(1g) = 0.497 W/kg; SAR(10g) = 0.352 W/kg**
Maximum value of SAR (interpolated) = 0.679 W/kg




0 dB = 0.563 W/kg = -2.49 dBW/kg

**Mobile Hot Spot MSL - UMTS band V/10mm Device Front - UMTS_band V_chan4182_amb_temp_23.4C_liq_temp_21.6C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.034 V/m; **Power Drift = -0.011 dB**

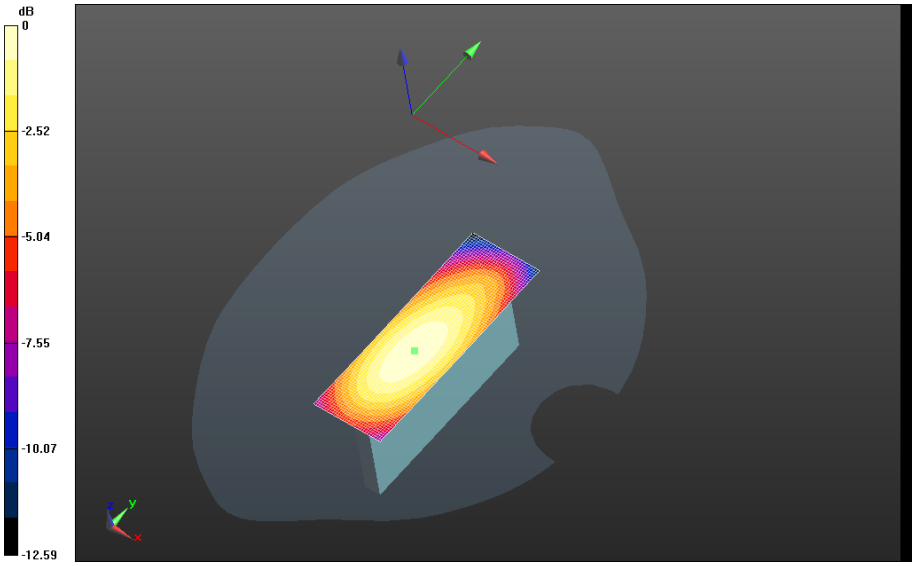
**Fast SAR: SAR(1g) = 0.442 W/kg; SAR(10g) = 0.307 W/kg**
Maximum value of SAR (interpolated) = 0.499 W/kg




0 dB = 0.563 W/kg = -2.49 dBW/kg

**Mobile Hot Spot MSL - UMTS band V/10mm Device Left - UMTS_band V_chan4182_amb_temp_23.2C_liq_temp_21.7C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 19.958 V/m; **Power Drift = -0.082 dB**

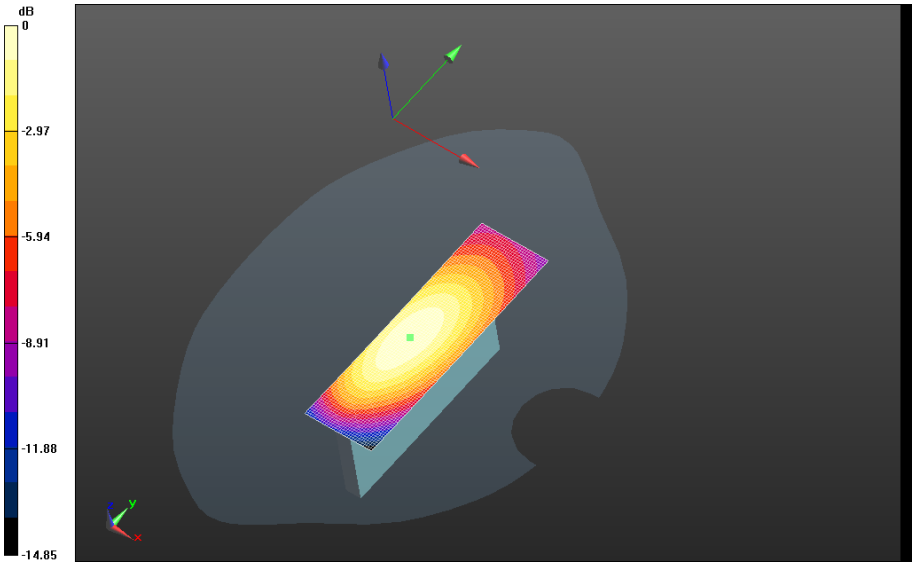
**Fast SAR: SAR(1g) = 0.318 W/kg; SAR(10g) = 0.216 W/kg**
Maximum value of SAR (interpolated) = 0.362 W/kg




0 dB = 0.499 W/kg = -3.02 dBW/kg

**Mobile Hot Spot MSL - UMTS band V/10mm Device Right - UMTS_band V_chan4182_amb_temp_23.1C_liq_temp_21.5C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.328 V/m; **Power Drift = -0.067 dB**

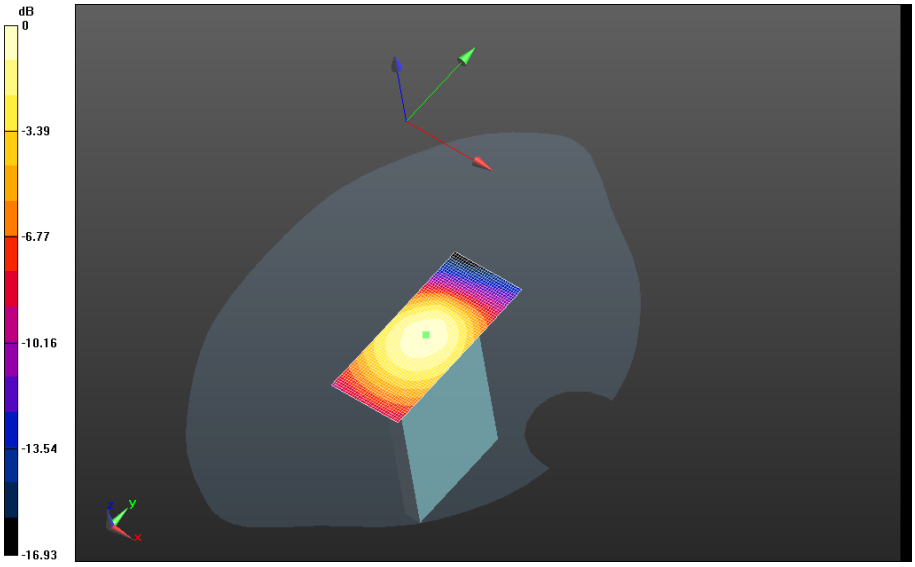
**Fast SAR: SAR(1g) = 0.259 W/kg; SAR(10g) = 0.174 W/kg**
Maximum value of SAR (interpolated) = 0.296 W/kg




0 dB = 0.362 W/kg = -4.41 dBW/kg

**Mobile Hot Spot MSL - UMTS band V/10mm Device Bottom - UMTS_band V_chan4182_amb_temp_23.C_liq_temp_21.4C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 14.345 V/m; **Power Drift = 0.00741 dB**

**Fast SAR: SAR(1g) = 0.160 W/kg; SAR(10g) = 0.106 W/kg**
Maximum value of SAR (interpolated) = 0.191 W/kg




0 dB = 0.296 W/kg = -5.29 dBW/kg

Date: 6/28/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7671**

## Configuration: Mobile Hot Spot 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; $\varepsilon_r$ = 53.128; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

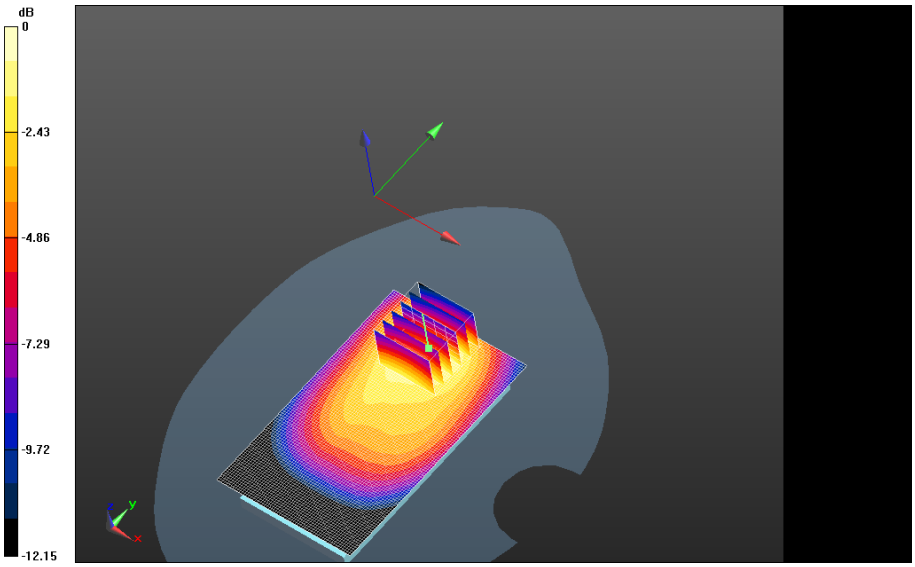
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS_band V_chan4182_amb_temp_23.5C_liq_temp_21.8C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.627 W/kg

**Mobile Hot Spot MSL - UMTS band V/10mm Device Back - UMTS_band V_chan4182_amb_temp_23.5C_liq_temp_21.8C/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 19.362 V/m; **Power Drift = 0.00745 dB**

**Averaged SAR: SAR(1g) = 0.556 W/kg; SAR(10g) = 0.383 W/kg**
Maximum value of SAR (interpolated) = 0.788 W/kg




0 dB = 0.636 W/kg = -1.97 dBW/kg

# CDMA 800

Date: 6/28/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA**

## Configuration: Mobile Hot Spot MSL - CDMA 800 BC10

Communication System: CDMA 800; Communication System Band: CDMA 2000 BC 10;
Frequency: 817.9 MHz
Medium Parameters used: f=817.9 MHz; $\sigma$ = 0.943 S/m; $\varepsilon_r$ = 53.307; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

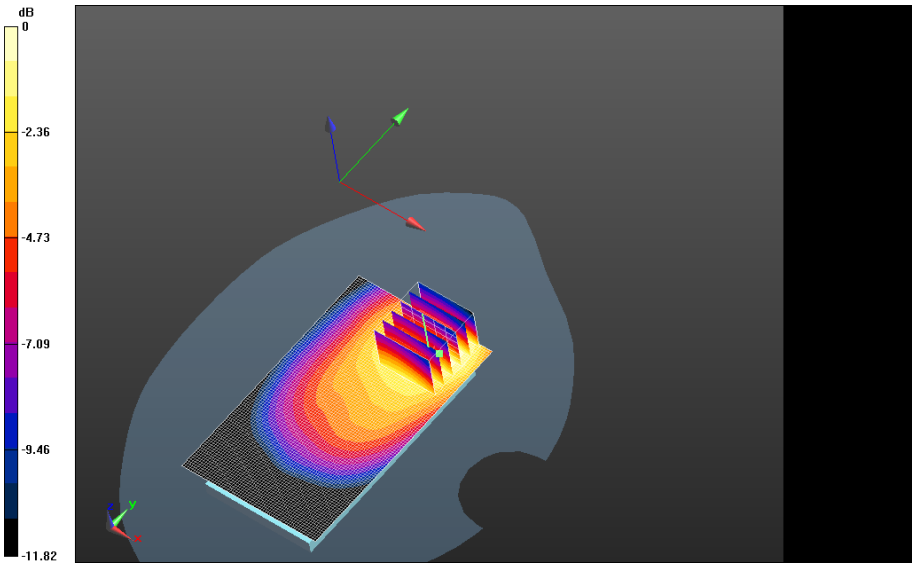
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan476_amb_temp_23.2C_liq_temp_22.3C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.098 V/m; **Power Drift = -0.164 dB**

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan476_amb_temp_23.2C_liq_temp_22.3C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 23.098 V/m; **Power Drift = -0.164 dB**

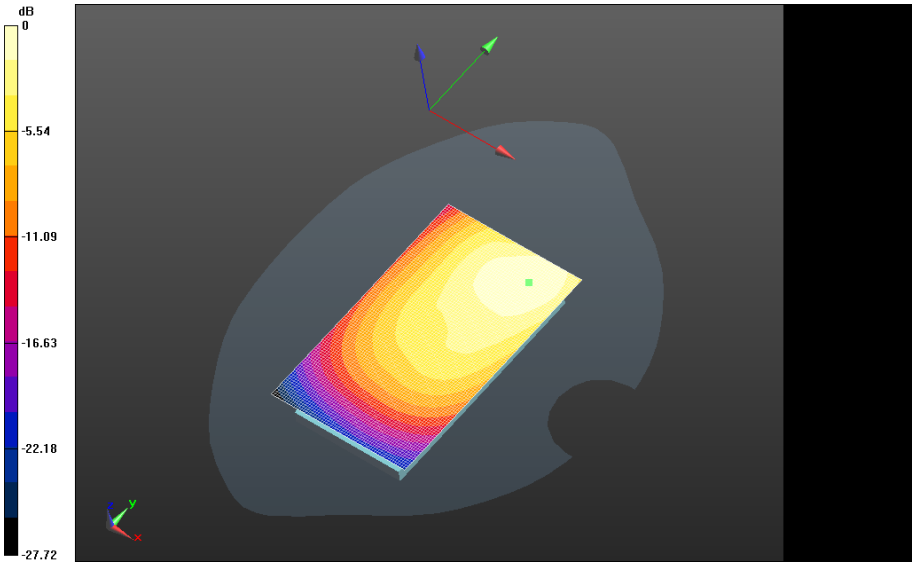
**Averaged SAR: SAR(1g) = 0.939 W/kg; SAR(10g) = 0.650 W/kg**
Maximum value of SAR (interpolated) = 1.30 W/kg




0 dB = 1.06 W/kg = 0.25 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan580_amb_temp_23.2C_liq_temp_22.4C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.855 V/m; **Power Drift = -0.191 dB**

**Fast SAR: SAR(1g) = 0.907 W/kg; SAR(10g) = 0.615 W/kg**
Maximum value of SAR (interpolated) = 1.04 W/kg

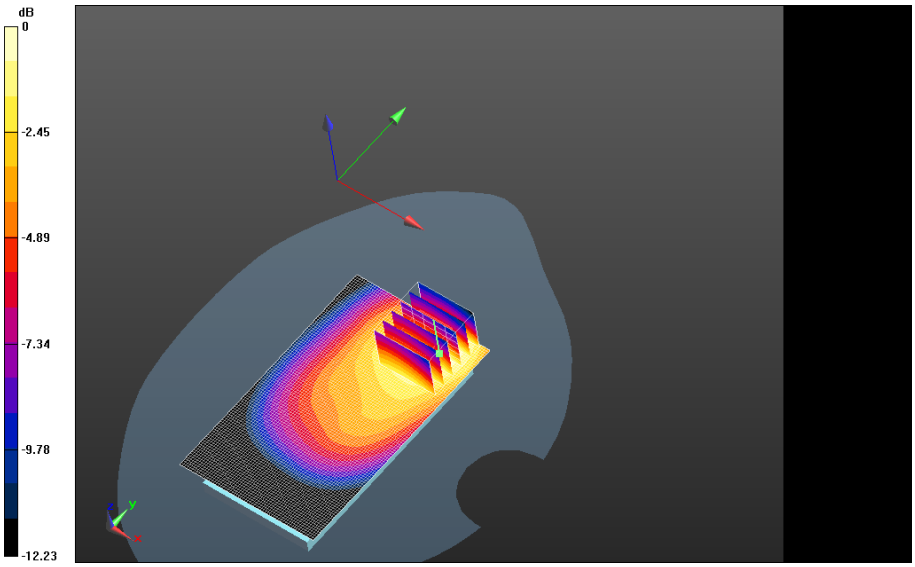



0 dB = 1.06 W/kg = 0.25 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan684_amb_temp_23.0C_liq_temp_22.6/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.287 V/m; **Power Drift = 0.031 dB**

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan684_amb_temp_23.0C_liq_temp_22.6/Zoom Scan (26x26x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 23.287 V/m; **Power Drift = 0.031 dB**

**Averaged SAR: SAR(1g) = 0.953 W/kg; SAR(10g) = 0.662 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg

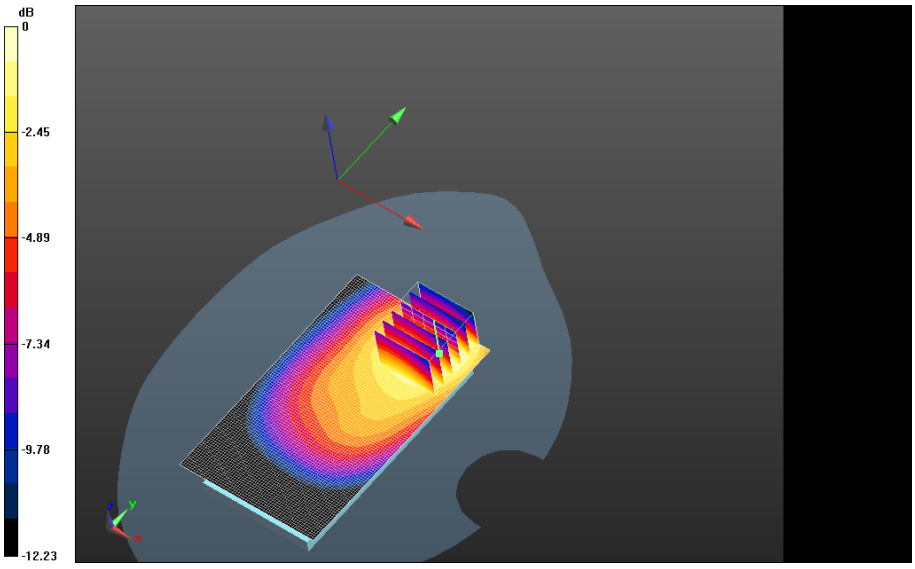



0 dB = 1.04 W/kg = 0.17 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan684_2nd_scan_amb_temp_22.7C_liq_temp_22.3/Area Scan (61x101x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 23.309 V/m; **Power Drift = 0.032 dB**

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Back - CDMA 800 BC10_chan684_2nd_scan_amb_temp_22.7C_liq_temp_22.3/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 23.309 V/m; **Power Drift = 0.032 dB**

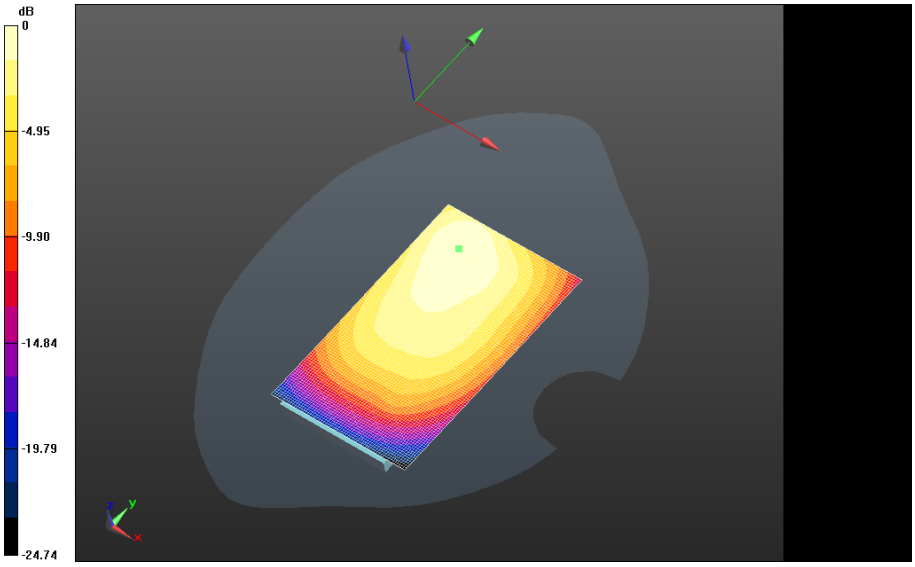
**Averaged SAR: SAR(1g) = 0.952 W/kg; SAR(10g) = 0.661 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg




0 dB = 1.08 W/kg = 0.33 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm 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 = 22.628 V/m; **Power Drift = 0.037 dB**

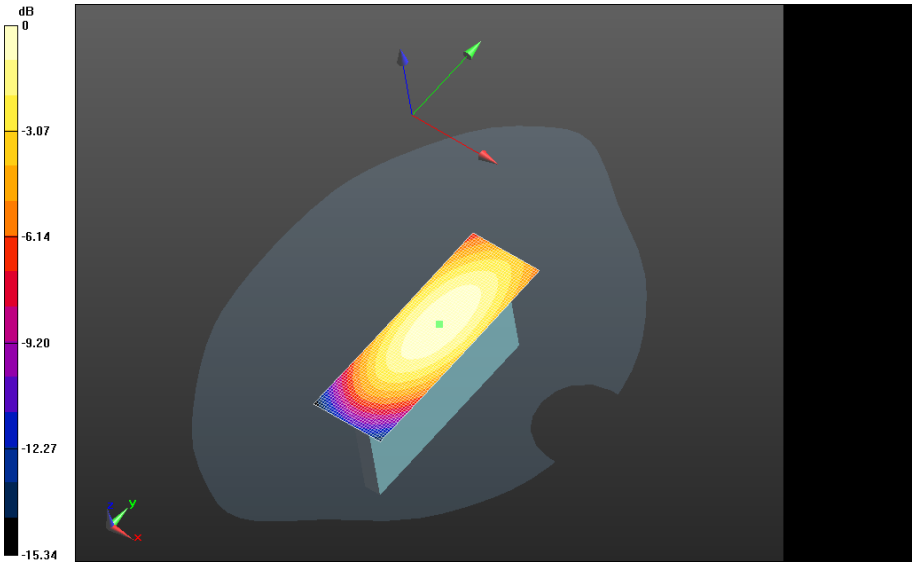
**Fast SAR: SAR(1g) = 0.608 W/kg; SAR(10g) = 0.417 W/kg**
Maximum value of SAR (interpolated) = 0.696 W/kg




0 dB = 1.08 W/kg = 0.33 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Left - CDMA 800 BC10_chan580_amb_temp_23.0C_liq_temp_22.2C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 19.385 V/m; **Power Drift = 0.029 dB**

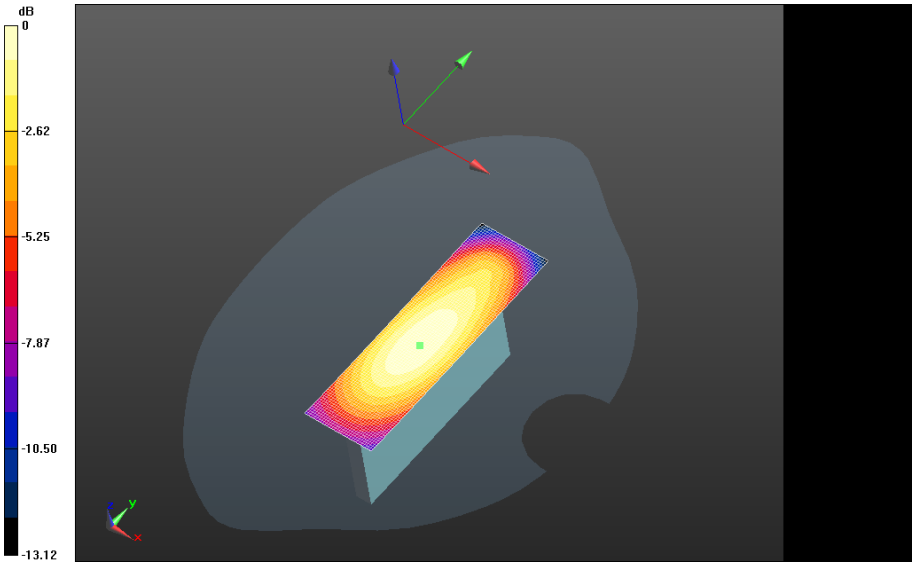
**Fast SAR: SAR(1g) = 0.293 W/kg; SAR(10g) = 0.200 W/kg**
Maximum value of SAR (interpolated) = 0.333 W/kg




0 dB = 0.696 W/kg = -1.57 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Right - CDMA 800 BC10_chan580_amb_temp_23.0C_liq_temp_22.2C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.366 V/m; **Power Drift = 0.086 dB**

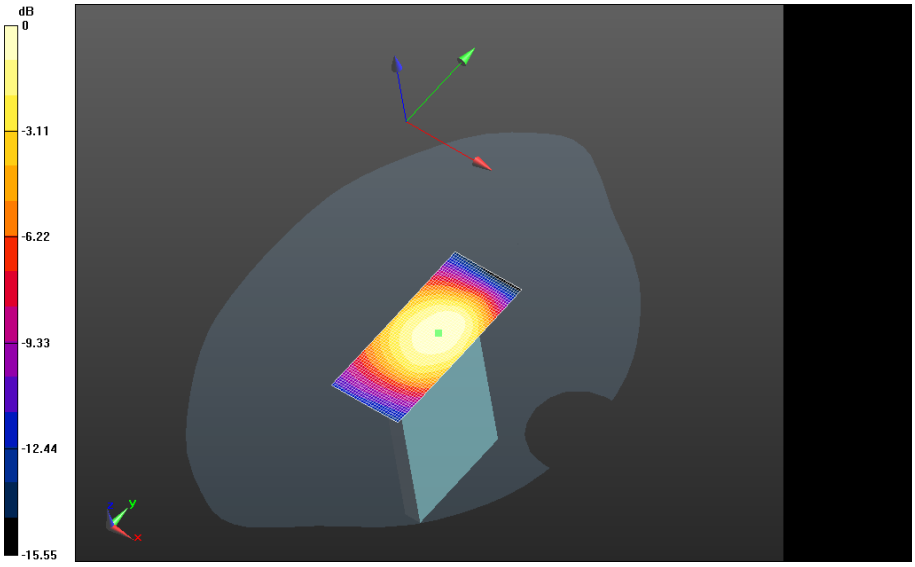
**Fast SAR: SAR(1g) = 0.389 W/kg; SAR(10g) = 0.264 W/kg**
Maximum value of SAR (interpolated) = 0.443 W/kg




0 dB = 0.333 W/kg = -4.78 dBW/kg

**Mobile Hot Spot MSL - CDMA 800 BC10/10mm Device Bottom - CDMA 800 BC10_chan580_amb_temp_23.0C_liq_temp_22.2C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 22.608 V/m; **Power Drift = 0.092 dB**

**Fast SAR: SAR(1g) = 0.451 W/kg; SAR(10g) = 0.301 W/kg**
Maximum value of SAR (interpolated) = 0.518 W/kg




0 dB = 0.443 W/kg = -3.54 dBW/kg

# CDMA 850

Date: 6/27/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA**

## Configuration: Mobile Hot Spot MSL - CDMA 850 BC0

Communication System: CDMA 850; Communication System Band: CDMA 2000 Cellular;
Frequency: 824.7 MHz
Medium Parameters used: f=825 MHz; $\sigma$ = 0.950 S/m; $\varepsilon_r$ = 53.215; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

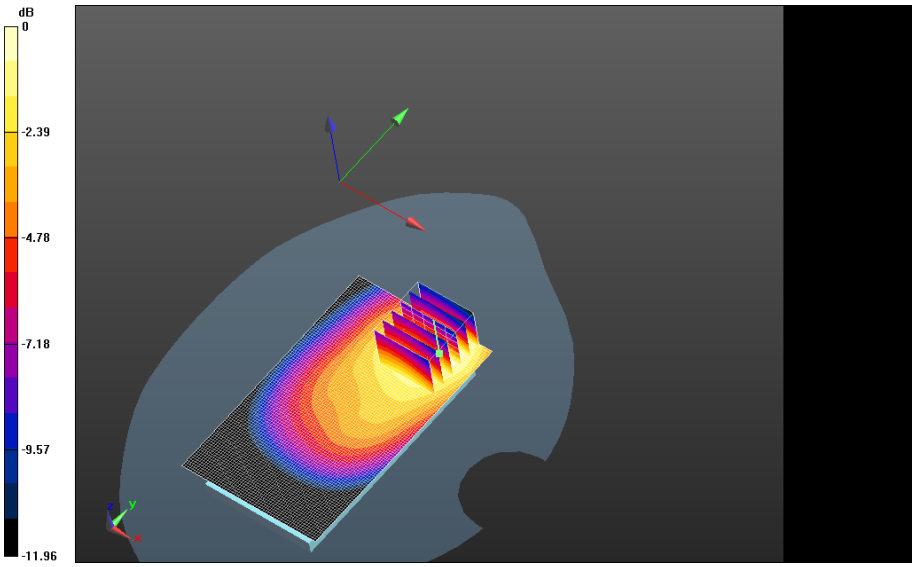
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan1013_amb_temp_23.3C_liq_temp_22.2C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.048 V/m; **Power Drift = 0.113 dB**

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan1013_amb_temp_23.3C_liq_temp_22.2C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 24.048 V/m; **Power Drift = 0.113 dB**

**Averaged SAR: SAR(1g) = 0.980 W/kg; SAR(10g) = 0.684 W/kg**
Maximum value of SAR (interpolated) = 1.35 W/kg

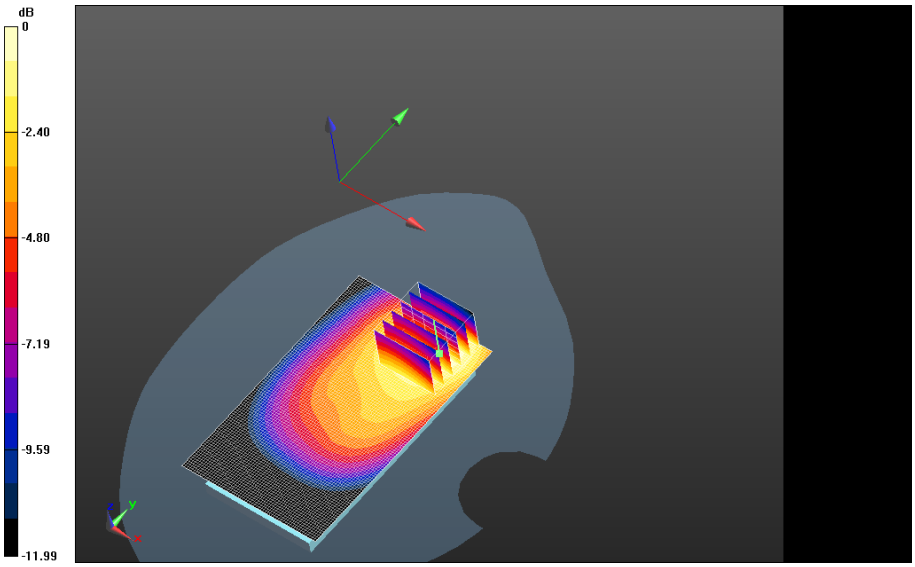



0 dB = 1.11 W/kg = 0.45 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan1013_2nd_Scan_amb_temp_23.2C_liq_temp_22.4C/Area Scan (61x101x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 24.252 V/m; **Power Drift = 0.073 dB**

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan1013_2nd_Scan_amb_temp_23.2C_liq_temp_22.4C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 24.252 V/m; **Power Drift = 0.073 dB**

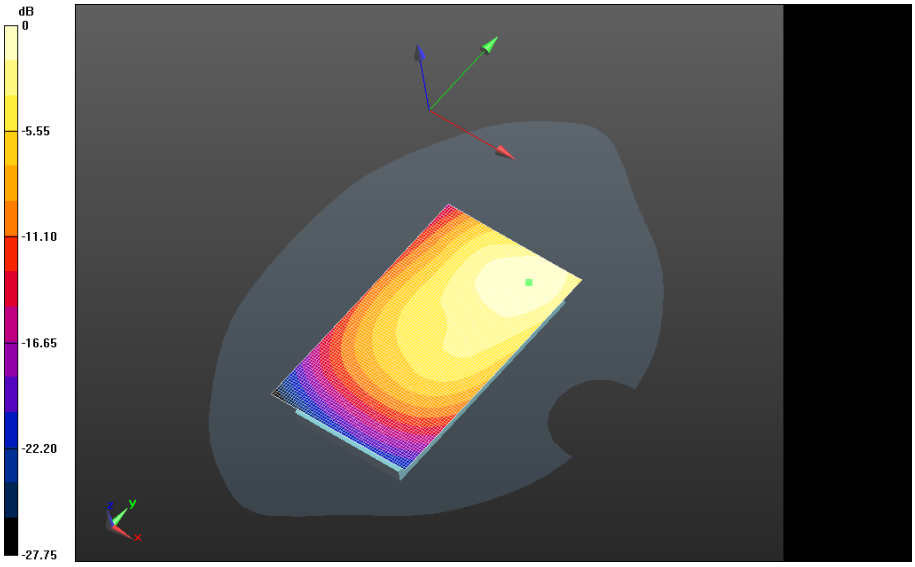
**Averaged SAR: SAR(1g) = 0.998 W/kg; SAR(10g) = 0.693 W/kg**
Maximum value of SAR (interpolated) = 1.38 W/kg




0 dB = 1.11 W/kg = 0.45 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan384_amb_temp_23.3C_liq_temp_22.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.209 V/m; **Power Drift = 0.070 dB**

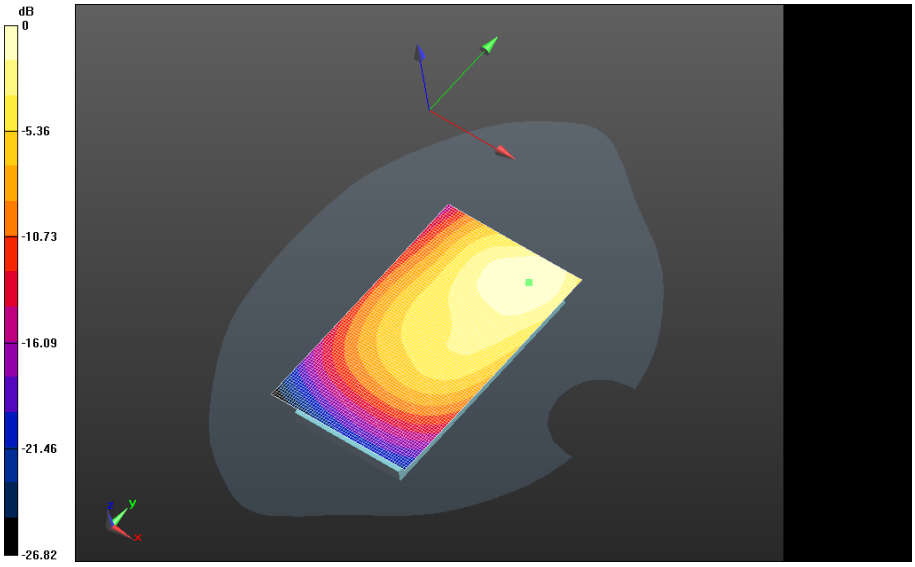
**Fast SAR: SAR(1g) = 0.820 W/kg; SAR(10g) = 0.555 W/kg**
Maximum value of SAR (interpolated) = 0.941 W/kg




0 dB = 1.13 W/kg = 0.53 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Back - CDMA 850 BC0_chan777_amb_temp_23.0C_liq_temp_22.0C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.315 V/m; **Power Drift = 0.063 dB**

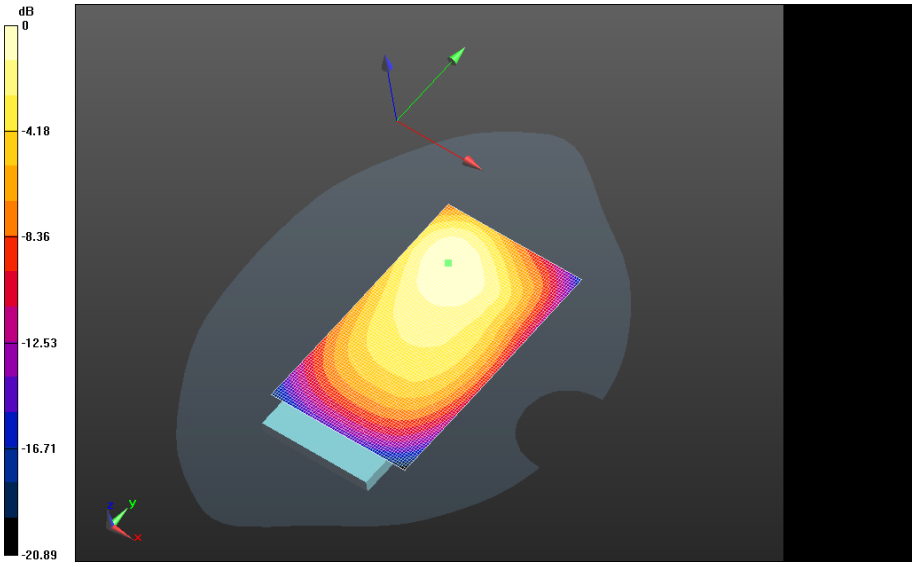
**Fast SAR: SAR(1g) = 0.858 W/kg; SAR(10g) = 0.579 W/kg**
Maximum value of SAR (interpolated) = 0.984 W/kg




0 dB = 0.941 W/kg = -0.26 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Front - CDMA 850 BC0_chan384_amb_temp_22.7C_liq_temp 22.3C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 21.433 V/m; **Power Drift = -0.092 dB**

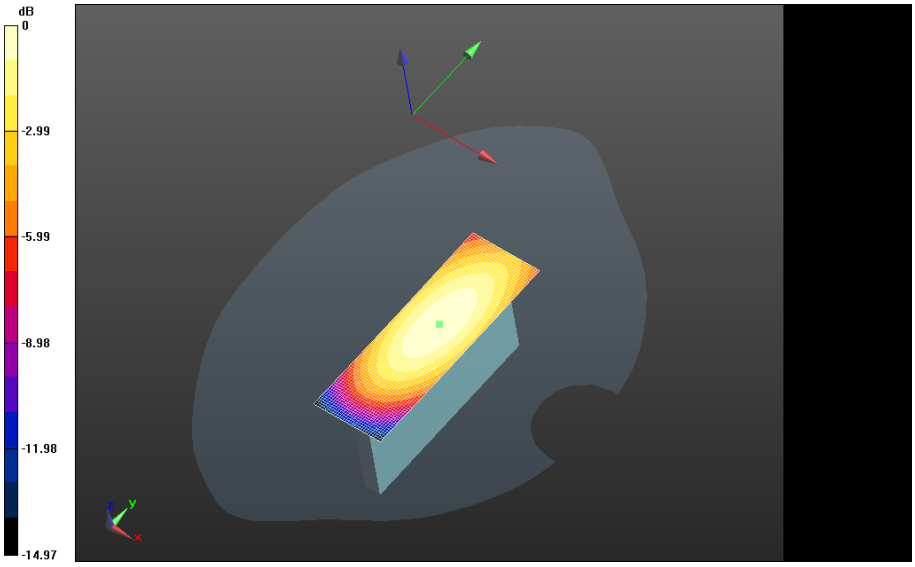
**Fast SAR: SAR(1g) = 0.652 W/kg; SAR(10g) = 0.446 W/kg**
Maximum value of SAR (interpolated) = 0.740 W/kg




0 dB = 0.984 W/kg = -0.07 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Left - CDMA 850 BC0_chan384_amb_temp_23.5C_liq_temp_22.2C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.359 V/m; **Power Drift = 0.00175 dB**

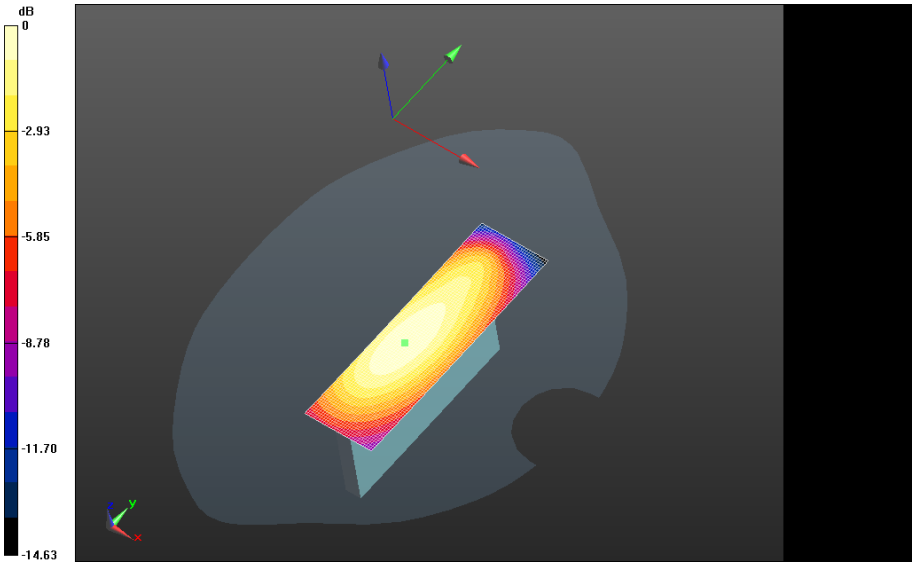
**Fast SAR: SAR(1g) = 0.268 W/kg; SAR(10g) = 0.182 W/kg**
Maximum value of SAR (interpolated) = 0.306 W/kg




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

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Right - CDMA 850 BC0_chan384_amb_temp_23.5C_liq_temp_22.2C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.332 V/m; **Power Drift = 0.097 dB**

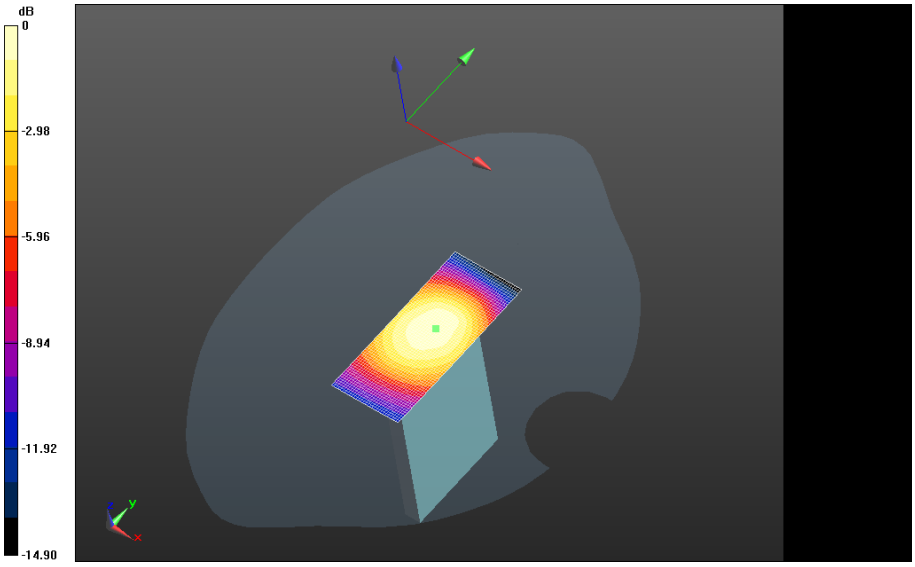
**Fast SAR: SAR(1g) = 0.333 W/kg; SAR(10g) = 0.225 W/kg**
Maximum value of SAR (interpolated) = 0.382 W/kg




0 dB = 0.306 W/kg = -5.14 dBW/kg

**Mobile Hot Spot MSL - CDMA 850 BC0/10mm Device Bottom - CDMA 850 BC0_chan384_amb_temp_23.5C_liq_temp_22.2C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 20.332 V/m; **Power Drift = 0.051 dB**

**Fast SAR: SAR(1g) = 0.358 W/kg; SAR(10g) = 0.239 W/kg**
Maximum value of SAR (interpolated) = 0.415 W/kg




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

# LTE 25 Full Power

Date: 7/2/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA**

## Configuration: Mobile Hot Spot MSL - LTE Band 25

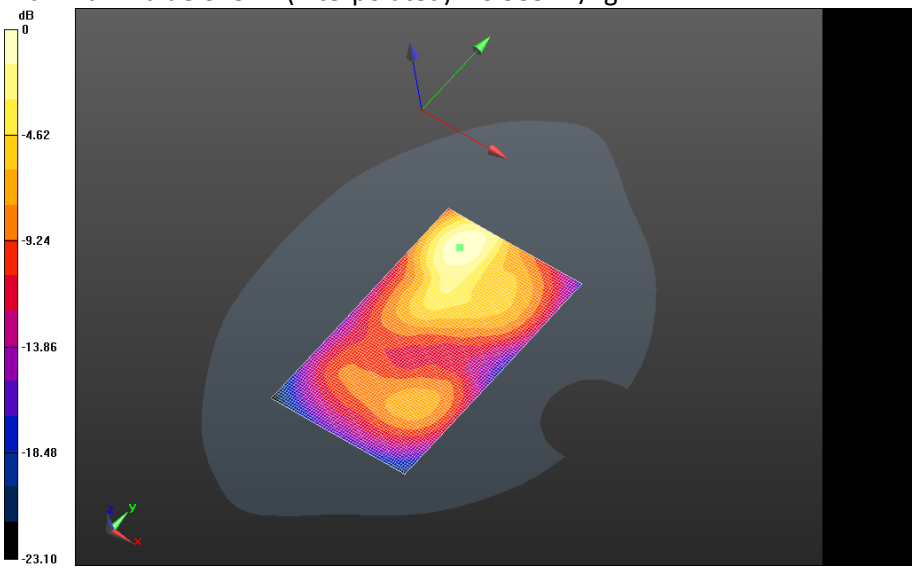
Communication System: LTE band 25; Communication System Band: LTE band 25; Frequency: 1860 MHz
Medium Parameters used: f=1860 MHz; $\sigma$ = 1.506 S/m; $\varepsilon_r$ = 50.738; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**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)

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Back - LTE_Band_25_chan26140_RB1_Offset99_amb_temp_23.1C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.466 V/m; **Power Drift = -0.104 dB**

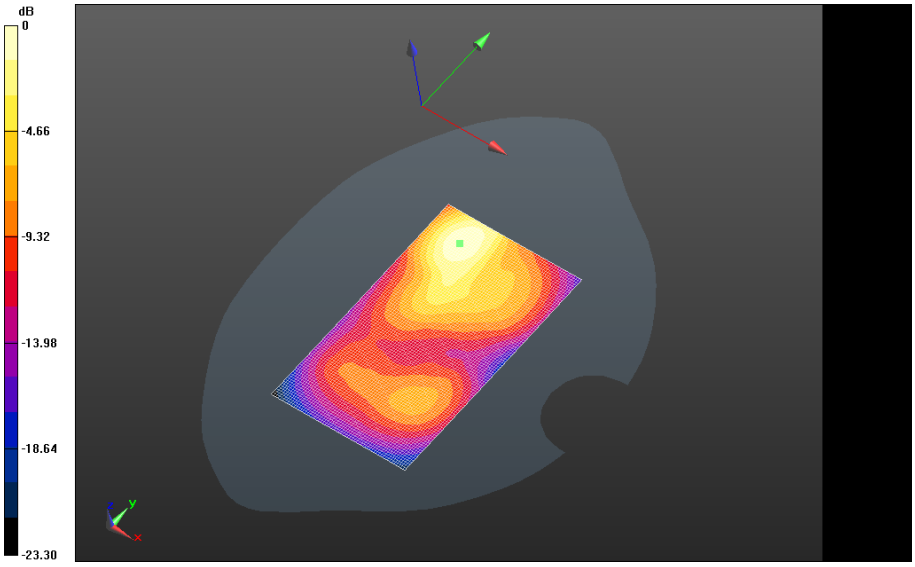
**Fast SAR: SAR(1g) = 0.744 W/kg; SAR(10g) = 0.412 W/kg**
Maximum value of SAR (interpolated) = 0.939 W/kg




0 dB = 0.939 W/kg = -0.27 dBW/kg

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Back - LTE_Band_25_chan26140_RB50_Offset50_amb_temp_23.4C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.381 V/m; **Power Drift = 0.024 dB**

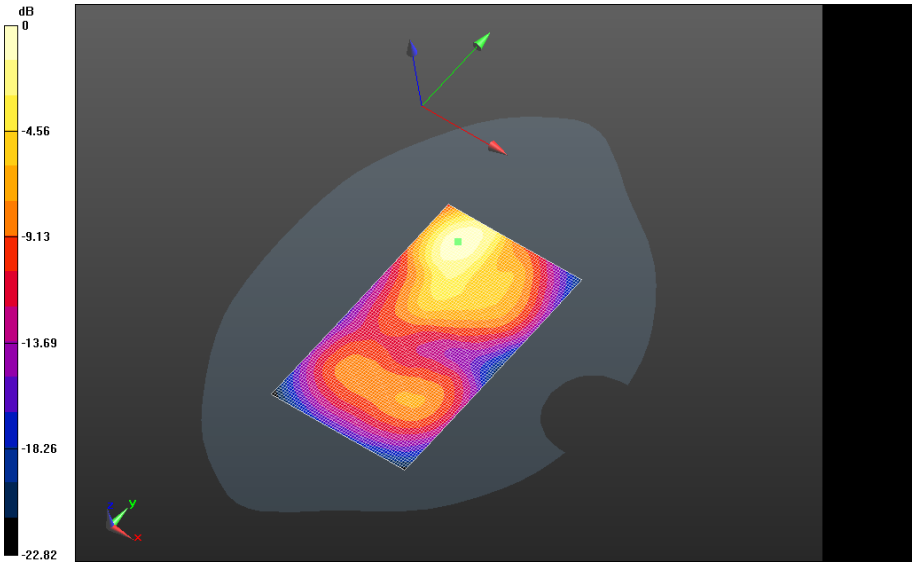
**Fast SAR: SAR(1g) = 0.785 W/kg; SAR(10g) = 0.431 W/kg**
Maximum value of SAR (interpolated) = 0.995 W/kg




0 dB = 0.939 W/kg = -0.27 dBW/kg

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Back - LTE_Band_25_chan26365_RB100_Offset0_amb_temp_23.1C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.061 V/m; **Power Drift = -0.071 dB**

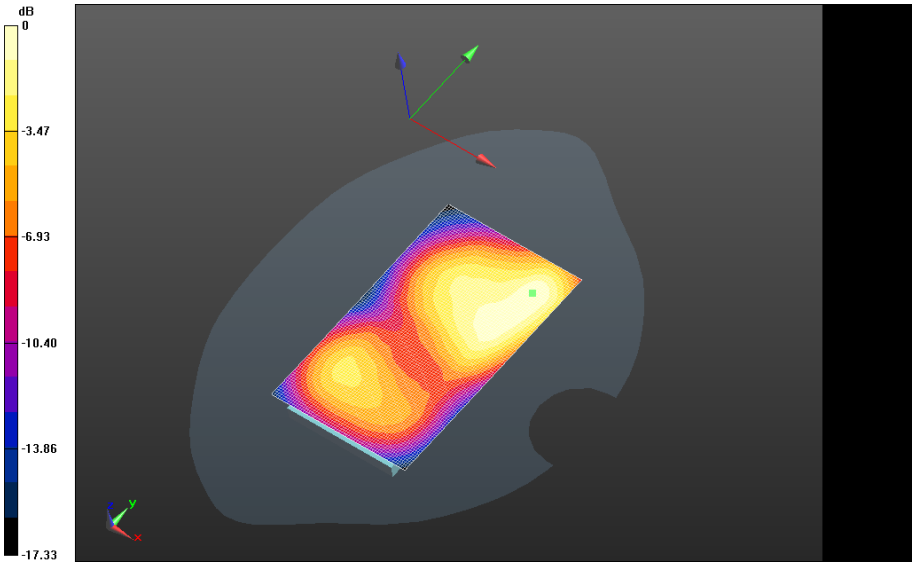
**Fast SAR: SAR(1g) = 0.705 W/kg; SAR(10g) = 0.385 W/kg**
Maximum value of SAR (interpolated) = 0.892 W/kg




0 dB = 0.995 W/kg = -0.02 dBW/kg

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Front - LTE_Band_25_chan26140_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 = 9.287 V/m; **Power Drift = 0.091 dB**

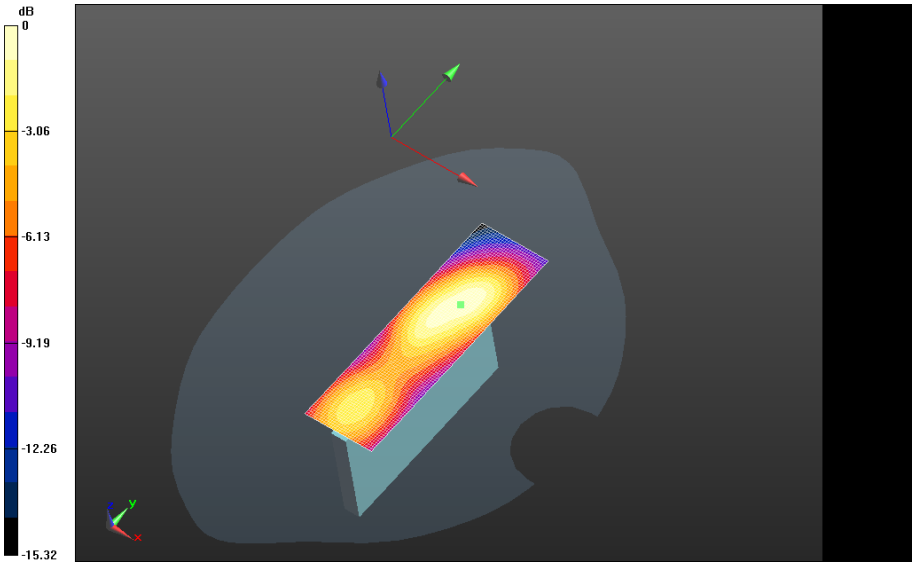
**Fast SAR: SAR(1g) = 0.406 W/kg; SAR(10g) = 0.244 W/kg**
Maximum value of SAR (interpolated) = 0.498 W/kg




0 dB = 0.892 W/kg = -0.50 dBW/kg

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Left - LTE_Band_25_chan26140_RB50_Offset50_amb_temp_23.3C_liq_temp_22.5C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.771 V/m; **Power Drift = -0.011 dB**

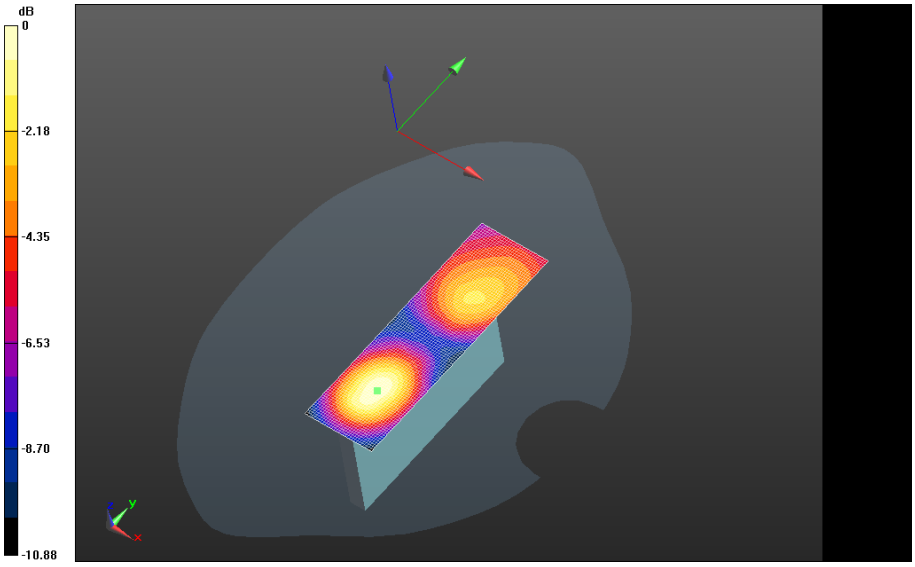
**Fast SAR: SAR(1g) = 0.251 W/kg; SAR(10g) = 0.143 W/kg**
Maximum value of SAR (interpolated) = 0.310 W/kg




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

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Right - LTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.1C_liq_temp_22.5C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 4.273 V/m; **Power Drift = 0.00827 dB**

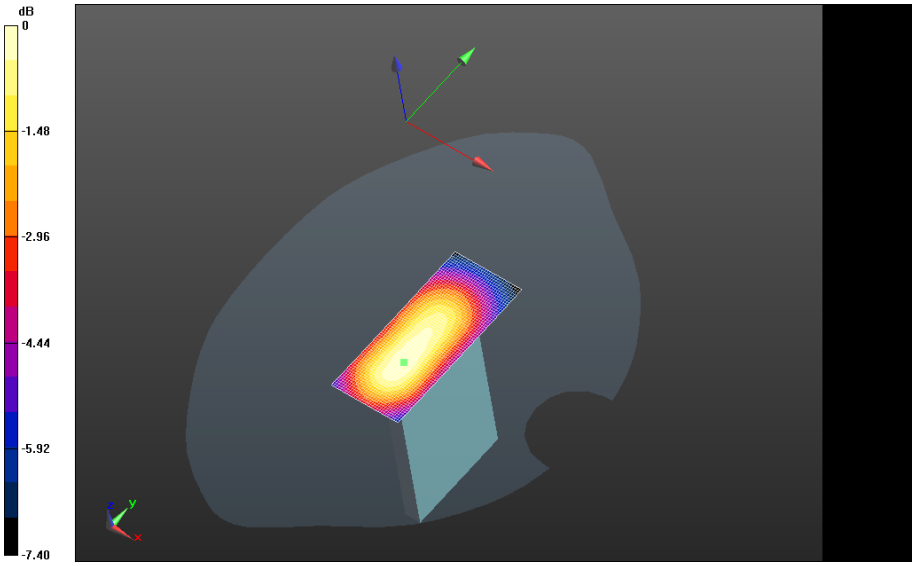
**Fast SAR: SAR(1g) = 0.0896 W/kg; SAR(10g) = 0.0499 W/kg**
Maximum value of SAR (interpolated) = 0.109 W/kg




0 dB = 0.310 W/kg = -5.09 dBW/kg

**Mobile Hot Spot MSL - LTE Band 25/10mm Device Bottom - LTE_Band_25_chan26365_RB50_Offset50_amb_temp_23.0C_liq_temp_22.5C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.555 V/m; **Power Drift = 0.012 dB**

**Fast SAR: SAR(1g) = 0.0904 W/kg; SAR(10g) = 0.0543 W/kg**
Maximum value of SAR (interpolated) = 0.108 W/kg




0 dB = 0.109 W/kg = -9.63 dBW/kg

# GPRS 1900

Date: 6/24/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 333E285E**

## Configuration: Mobile Hot Spot MSL - GPRS 1900

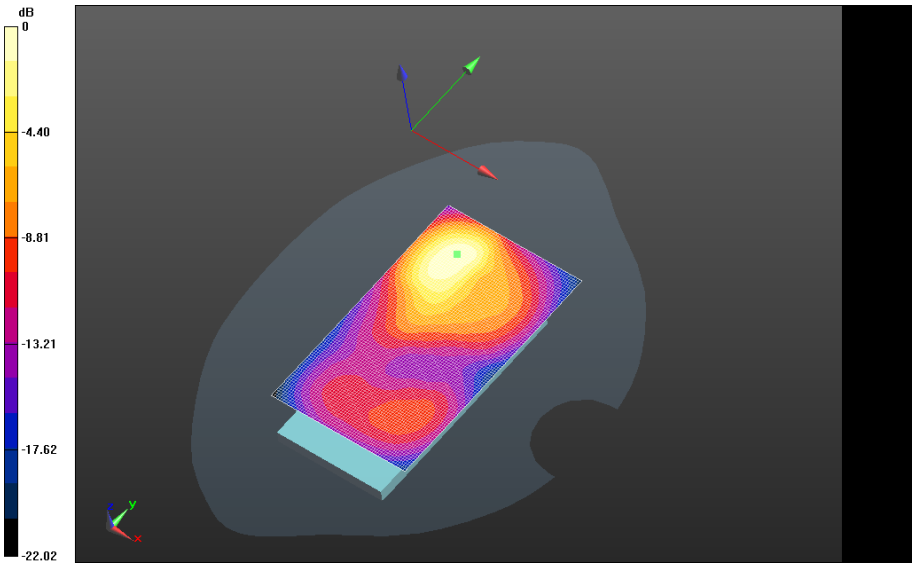
Communication System: GSM 1900; Communication System Band: GSM 1900; Frequency: 1880 MHz
Medium Parameters used: f=1880 MHz; $\sigma$ = 1.532 S/m; $\varepsilon_r$ = 51.502; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**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)

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GSM1900_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.885 V/m; **Power Drift = -0.026 dB**

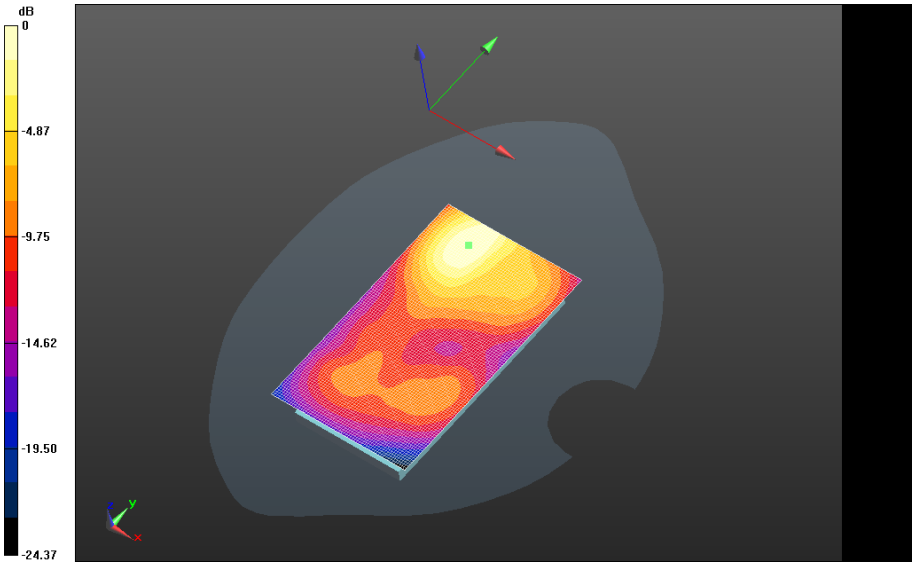
**Fast SAR: SAR(1g) = 0.650 W/kg; SAR(10g) = 0.364 W/kg**
Maximum value of SAR (interpolated) = 0.816 W/kg




0 dB = 0.816 W/kg = -0.88 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.288 V/m; **Power Drift = -0.091 dB**

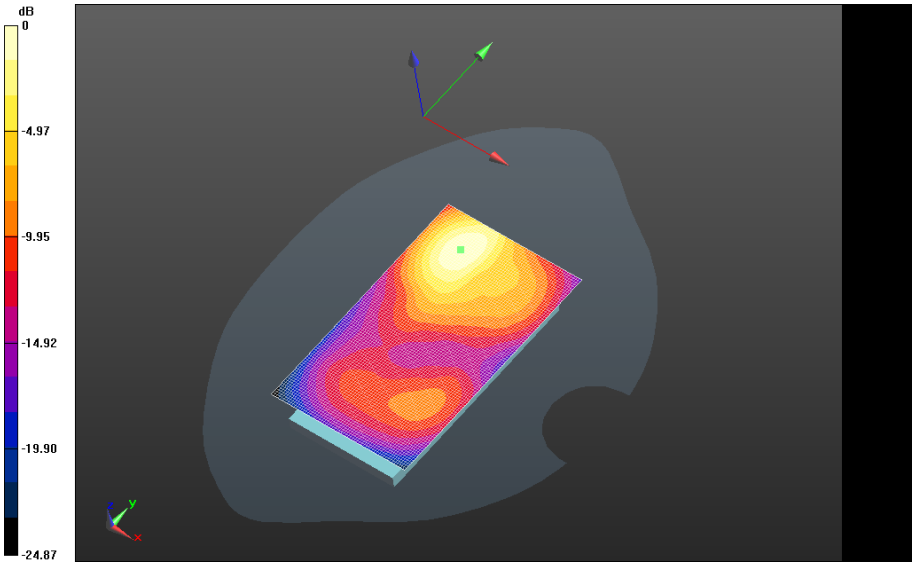
**Fast SAR: SAR(1g) = 0.888 W/kg; SAR(10g) = 0.503 W/kg**
Maximum value of SAR (interpolated) = 1.09 W/kg




0 dB = 0.816 W/kg = -0.88 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_3-Slots_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.444 V/m; **Power Drift = 0.090 dB**

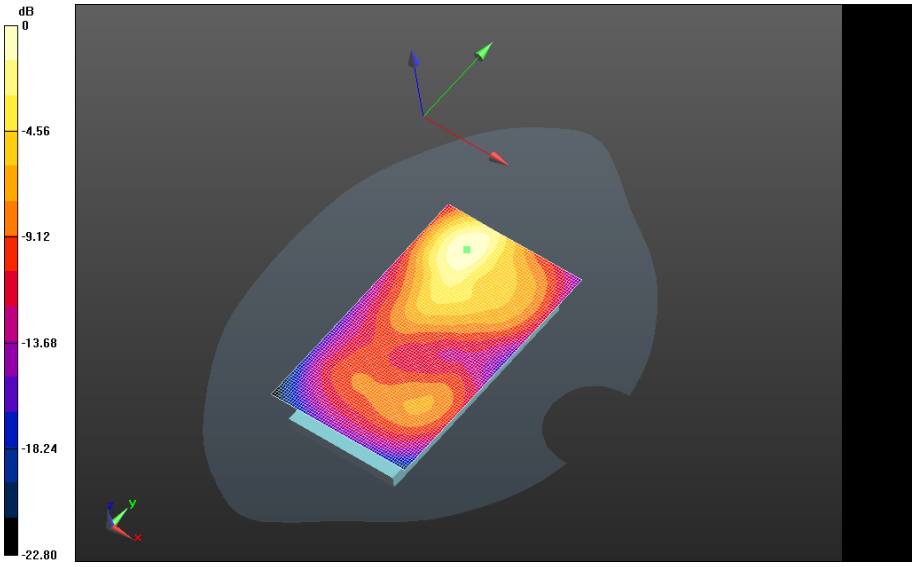
**Fast SAR: SAR(1g) = 0.808 W/kg; SAR(10g) = 0.448 W/kg**
Maximum value of SAR (interpolated) = 1.01 W/kg




0 dB = 1.09 W/kg = 0.37 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan512_amb_temp_23.1C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.190 V/m; **Power Drift = 0.037 dB**

**Fast SAR: SAR(1g) = 0.882 W/kg; SAR(10g) = 0.488 W/kg**
Maximum value of SAR (interpolated) = 1.10 W/kg

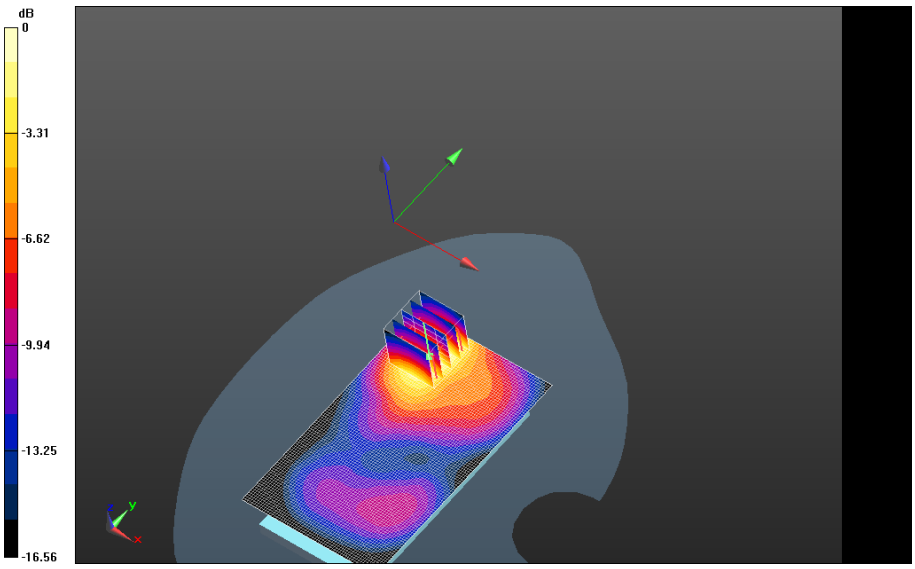



0 dB = 1.01 W/kg = 0.04 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.805 V/m; **Power Drift = 0.049 dB**

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan661_amb_temp_22.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.805 V/m; **Power Drift = 0.049 dB**

**Averaged SAR: SAR(1g) = 0.910 W/kg; SAR(10g) = 0.516 W/kg**
Maximum value of SAR (interpolated) = 1.48 W/kg

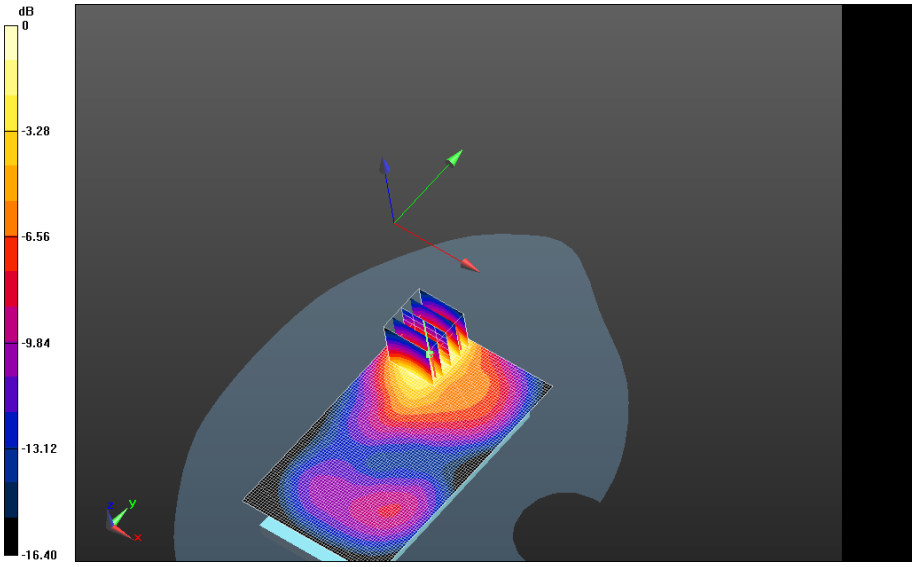



0 dB = 1.10 W/kg = 0.41 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan661_amb_temp_23.3C_liq_temp_22.2C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 7.484 V/m; **Power Drift = 0.066 dB**

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_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 = 7.484 V/m; **Power Drift = 0.066 dB**

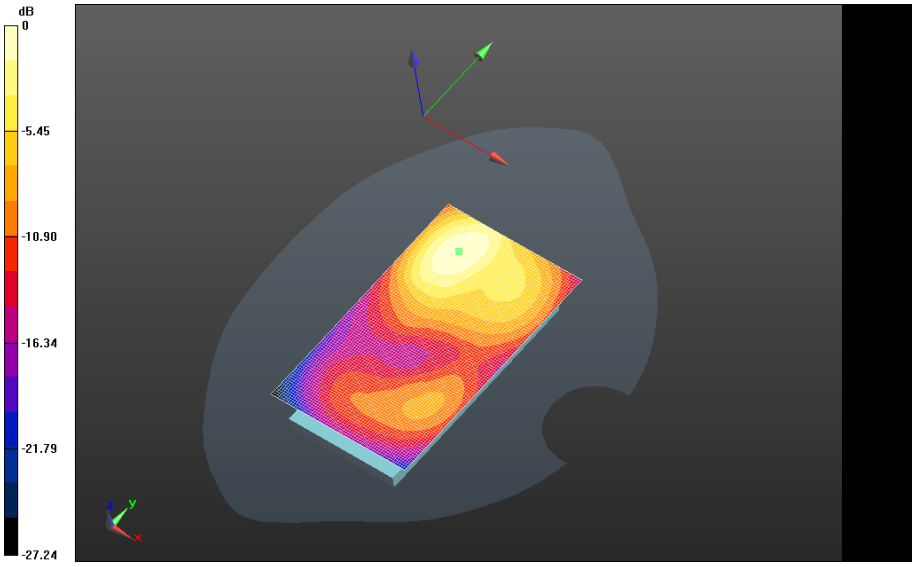
**Averaged SAR: SAR(1g) = 0.964 W/kg; SAR(10g) = 0.547 W/kg**
Maximum value of SAR (interpolated) = 1.61 W/kg




0 dB = 1.10 W/kg = 0.41 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan810_amb_temp_22.7C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.611 V/m; **Power Drift = 0.100 dB**

**Fast SAR: SAR(1g) = 0.764 W/kg; SAR(10g) = 0.434 W/kg**
Maximum value of SAR (interpolated) = 0.944 W/kg




0 dB = 1.16 W/kg = 0.64 dBW/kg

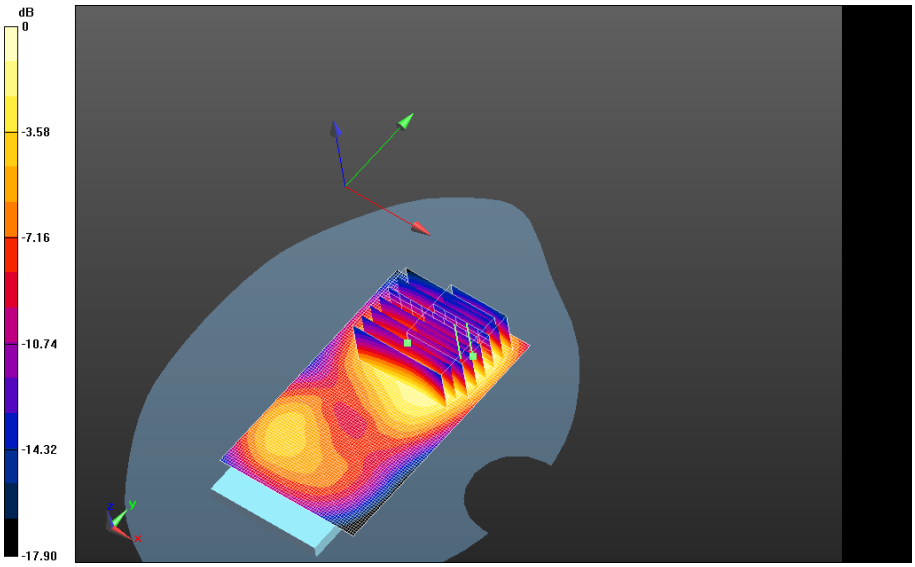
**Mobile Hot Spot MSL - GPRS 1900/10mm Device Front - GPRS1900_chan661_amb_temp_23.6C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.351 V/m; **Power Drift = 0.053 dB**

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Front - GPRS1900_chan661_amb_temp_23.6C_liq_temp_22.5C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.351 V/m; **Power Drift = 0.053 dB**

**Averaged SAR: SAR(1g) = 0.586 W/kg; SAR(10g) = 0.353 W/kg**
Maximum value of SAR (interpolated) = 0.988 W/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Front - GPRS1900_chan661_amb_temp_23.6C_liq_temp_22.5C/Zoom Scan 2 (41x31x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.351 V/m; **Power Drift = 0.070 dB**

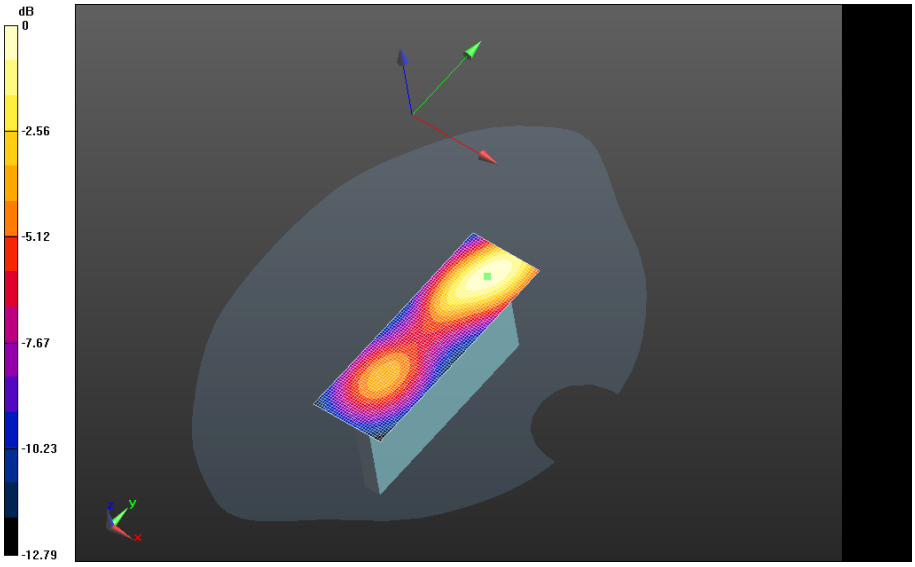
**Averaged SAR: SAR(1g) = 0.586 W/kg; SAR(10g) = 0.352 W/kg**
Maximum value of SAR (interpolated) = 0.981 W/kg




0 dB = 0.944 W/kg = -0.25 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Left - GPRS1900_chan661_amb_temp_22.9C_liq_temp_21.9C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.719 V/m; **Power Drift = -0.039 dB**

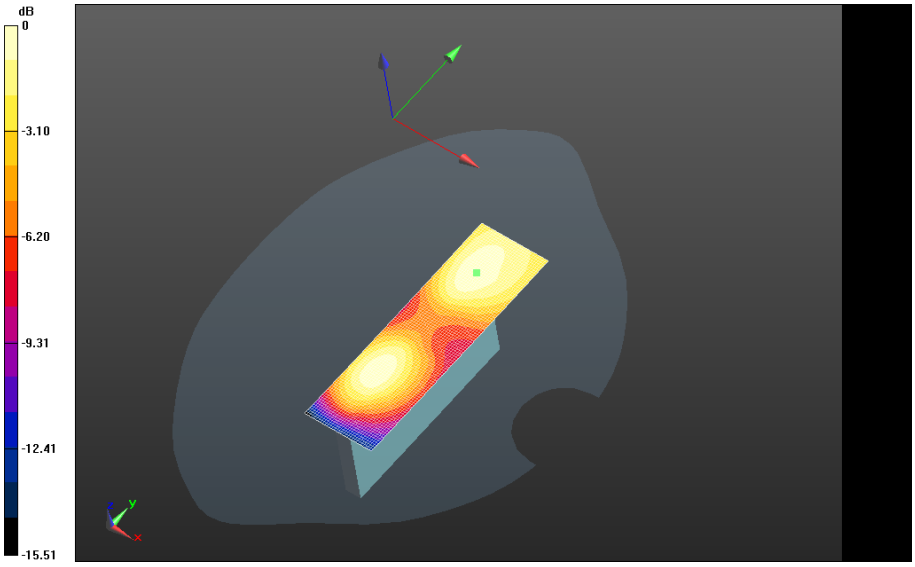
**Fast SAR: SAR(1g) = 0.514 W/kg; SAR(10g) = 0.290 W/kg**
Maximum value of SAR (interpolated) = 0.627 W/kg




0 dB = 0.690 W/kg = -1.61 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Right - GPRS1900_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.339 V/m; **Power Drift = 0.057 dB**

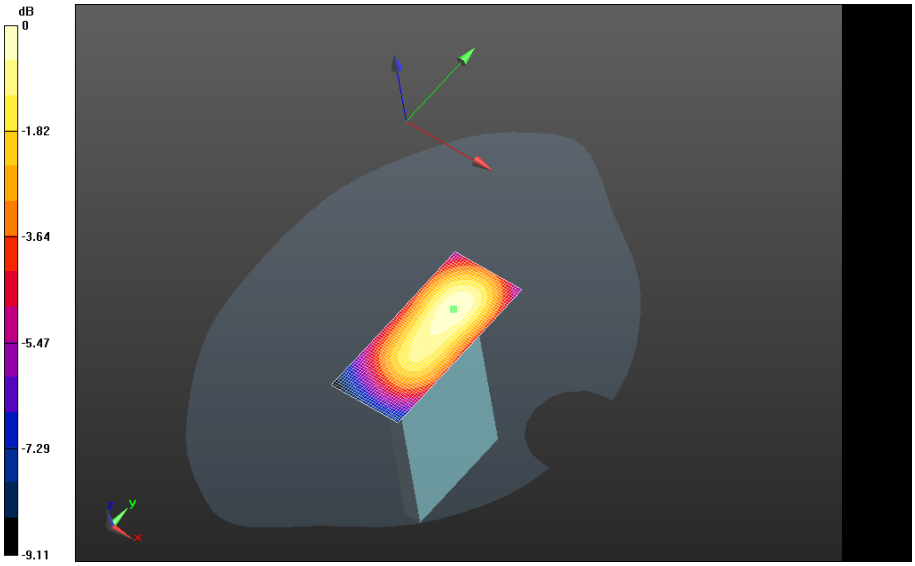
**Fast SAR: SAR(1g) = 0.0806 W/kg; SAR(10g) = 0.0479 W/kg**
Maximum value of SAR (interpolated) = 0.0981 W/kg




0 dB = 0.627 W/kg = -2.03 dBW/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Bottom - GPRS1900_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.011 V/m; **Power Drift = -0.048 dB**

**Fast SAR: SAR(1g) = 0.200 W/kg; SAR(10g) = 0.119 W/kg**
Maximum value of SAR (interpolated) = 0.239 W/kg




0 dB = 0.0981 W/kg = -10.08 dBW/kg

Date: 7/3/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691**

## Configuration: Mobile Hot Spot 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; $\varepsilon_r$ = 50.675; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

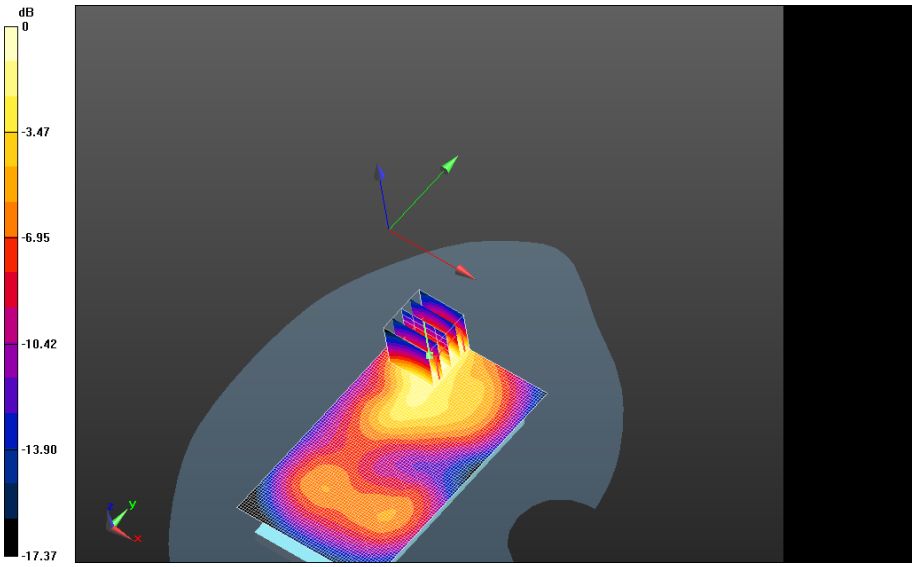
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan661_amb_temp_22.8C_liq_temp_21.1C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.647 W/kg

**Mobile Hot Spot MSL - GPRS 1900/10mm Device Back - GPRS1900_4-Slots_chan661_amb_temp_22.8C_liq_temp_21.1C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.735 V/m; **Power Drift = 0.00546 dB**

**Averaged SAR: SAR(1g) = 0.562 W/kg; SAR(10g) = 0.314 W/kg**
Maximum value of SAR (interpolated) = 0.942 W/kg




0 dB = 0.664 W/kg = -1.78 dBW/kg

# UMTS Band II

Date: 6/21/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 333E285E**

## Configuration: Mobile Hot Spot MSL - UMTS II

Communication System: WCDMA FDD II; Communication System Band: UMTS FDD II; Frequency: 1852.4 MHz
Medium Parameters used: f=1852.4 MHz; $\sigma$ = 1.528 S/m; $\varepsilon_r$ = 51.601; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

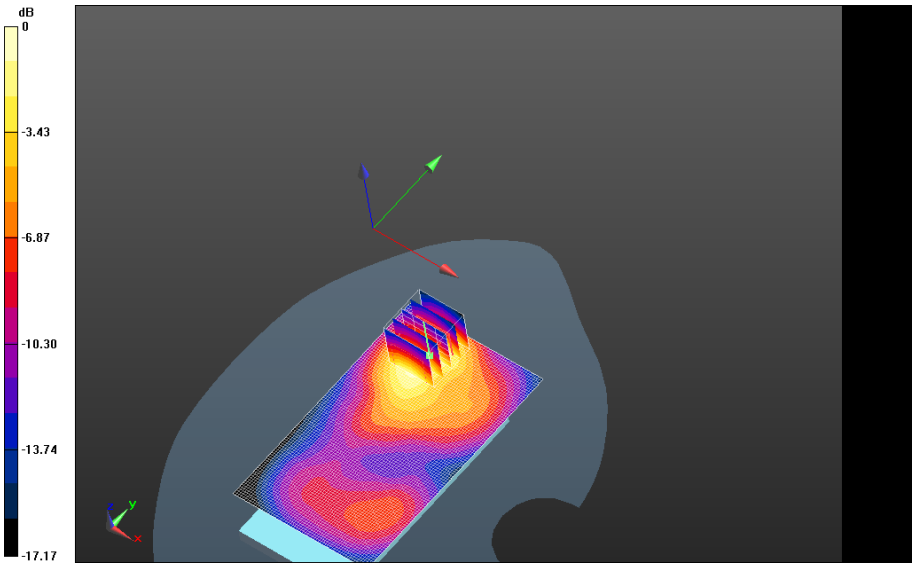
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9262_amb_temp_23.7C_liq_temp_22.3C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 8.710 V/m; **Power Drift = -0.031 dB**

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9262_amb_temp_23.7C_liq_temp_22.3C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 8.710 V/m; **Power Drift = -0.031 dB**

**Averaged SAR: SAR(1g) = 1.03 W/kg; SAR(10g) = 0.586 W/kg**
Maximum value of SAR (interpolated) = 1.69 W/kg

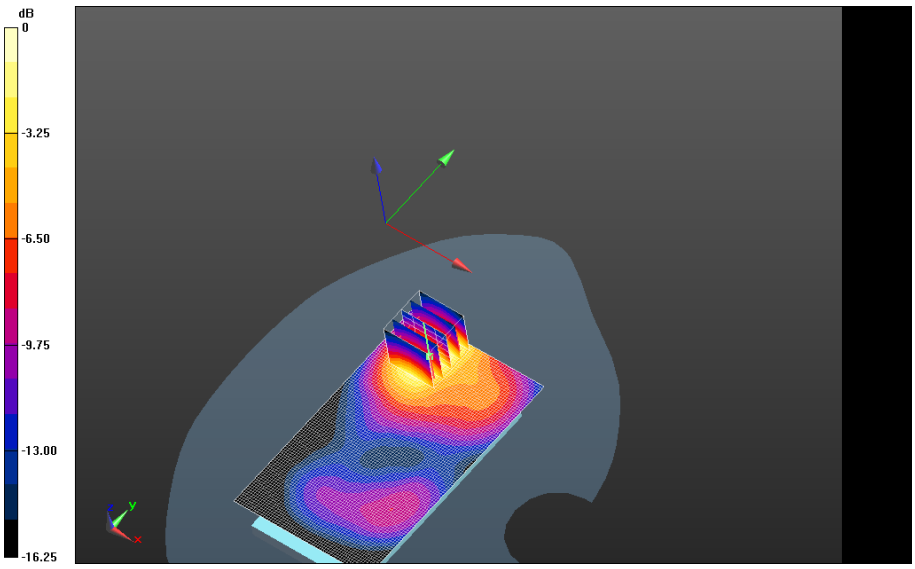



0 dB = 1.22 W/kg = 0.86 dBW/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.977 V/m; **Power Drift = -0.136 dB**

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.977 V/m; **Power Drift = -0.136 dB**

**Averaged SAR: SAR(1g) = 1.19 W/kg; SAR(10g) = 0.674 W/kg**
Maximum value of SAR (interpolated) = 1.95 W/kg

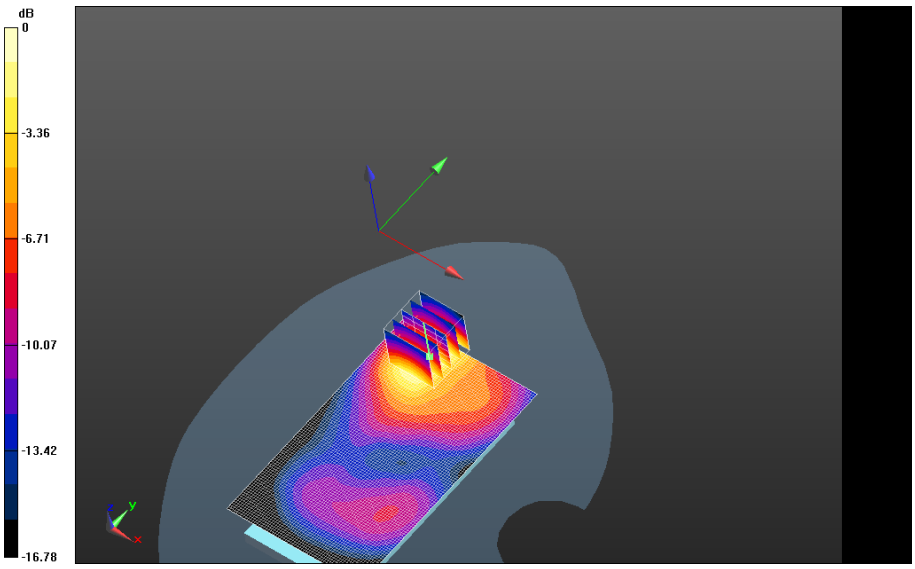



0 dB = 1.22 W/kg = 0.86 dBW/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C_2nd/Area Scan (61x101x1):**
Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.663 V/m; **Power Drift = -0.098 dB**

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C_2nd/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 6.663 V/m; **Power Drift = -0.098 dB**

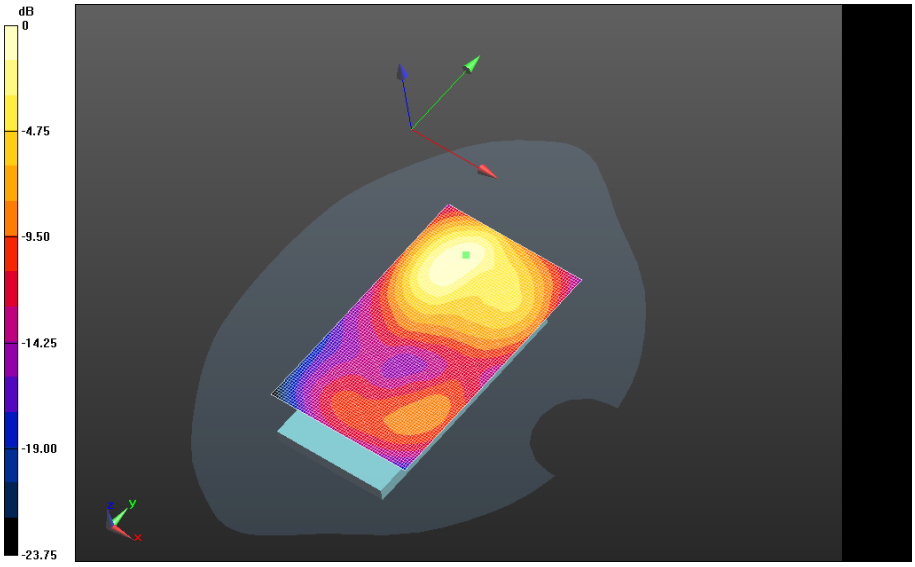
**Averaged SAR: SAR(1g) = 1.12 W/kg; SAR(10g) = 0.639 W/kg**
Maximum value of SAR (interpolated) = 1.85 W/kg




0 dB = 1.45 W/kg = 1.61 dBW/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9538_amb_temp_23.6C_liq_temp_22.4C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.886 V/m; **Power Drift = 0.126 dB**

**Fast SAR: SAR(1g) = 0.939 W/kg; SAR(10g) = 0.540 W/kg**
Maximum value of SAR (interpolated) = 1.17 W/kg




0 dB = 1.37 W/kg = 1.37 dBW/kg

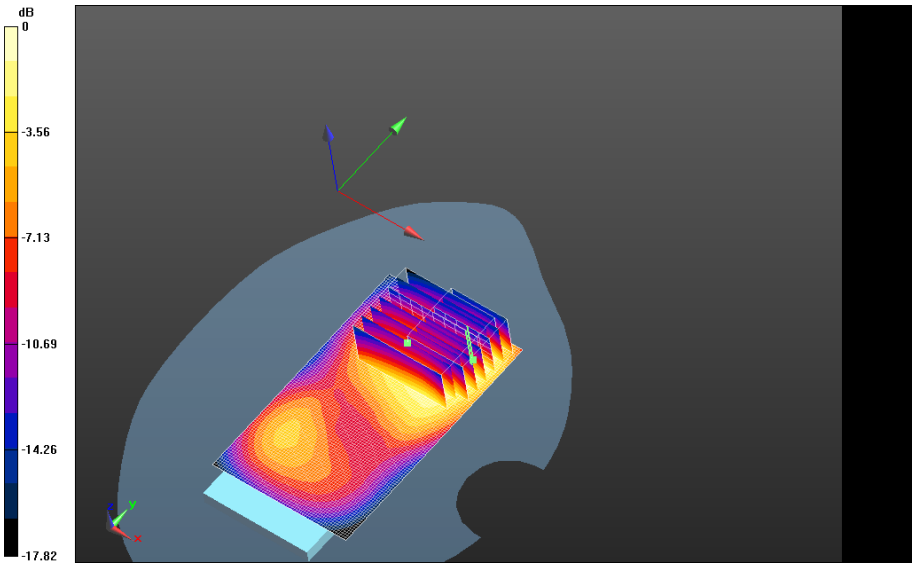
**Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.6C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 9.536 V/m; **Power Drift = 0.058 dB**

**Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.6C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.536 V/m; **Power Drift = 0.058 dB**

**Averaged SAR: SAR(1g) = 0.818 W/kg; SAR(10g) = 0.492 W/kg**
Maximum value of SAR (interpolated) = 1.40 W/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Front - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.6C/Zoom Scan 2 (41x31x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 9.536 V/m; **Power Drift = 0.063 dB**

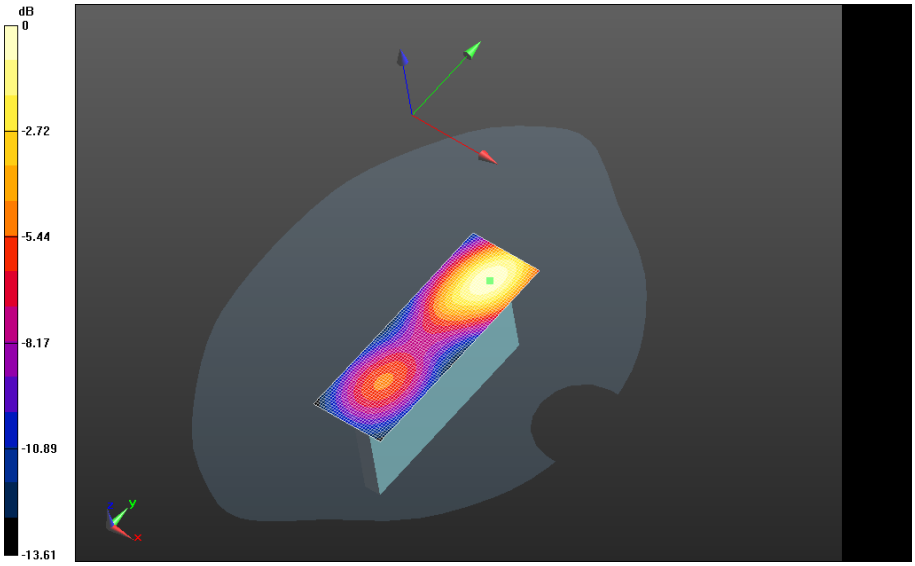
**Averaged SAR: SAR(1g) = 0.819 W/kg; SAR(10g) = 0.490 W/kg**
Maximum value of SAR (interpolated) = 1.38 W/kg




0 dB = 1.17 W/kg = 0.68 dBW/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Left - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.5C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.898 V/m; **Power Drift = -0.101 dB**

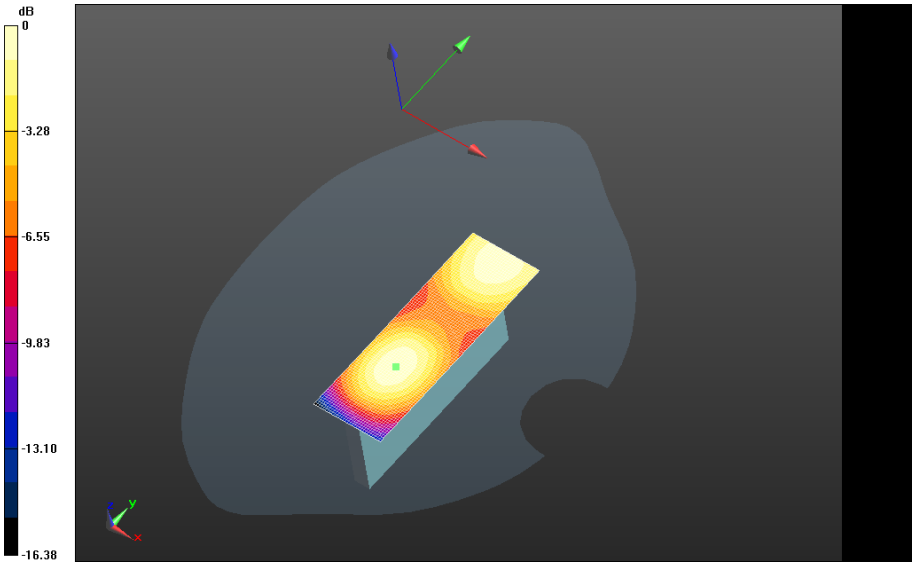
**Fast SAR: SAR(1g) = 0.822 W/kg; SAR(10g) = 0.458 W/kg**
Maximum value of SAR (interpolated) = 1.01 W/kg




0 dB = 0.989 W/kg = -0.05 dBW/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Right - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.5C/Area Scan (31x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 5.990 V/m; **Power Drift = 0.027 dB**

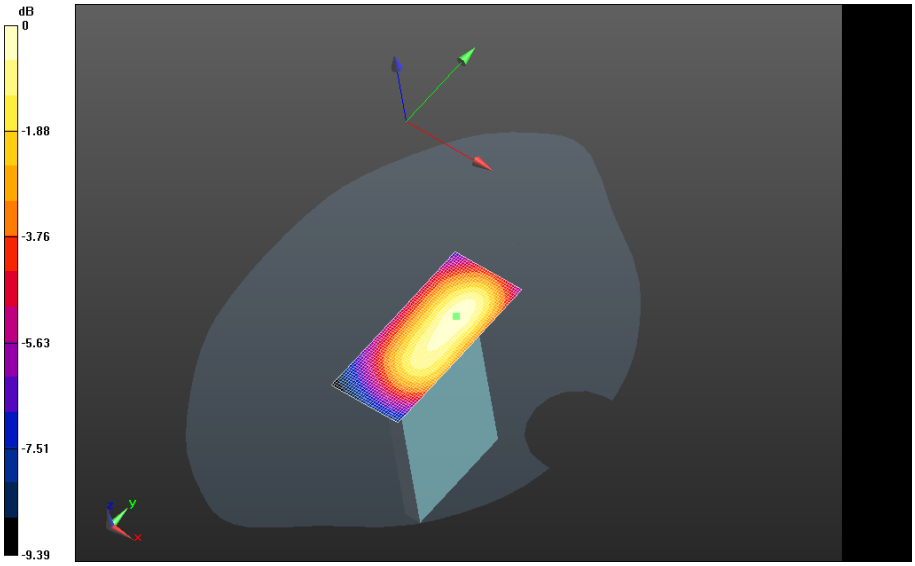
**Fast SAR: SAR(1g) = 0.106 W/kg; SAR(10g) = 0.0616 W/kg**
Maximum value of SAR (interpolated) = 0.128 W/kg




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

**Mobile Hot Spot MSL - UMTS II/10mm Device Bottom - UMTS_II_chan9400_amb_temp_23.8C_liq_temp_22.5C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 13.876 V/m; **Power Drift = -0.030 dB**

**Fast SAR: SAR(1g) = 0.276 W/kg; SAR(10g) = 0.163 W/kg**
Maximum value of SAR (interpolated) = 0.335 W/kg




0 dB = 0.128 W/kg = -8.93 dBW/kg

Date: 7/3/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691**

## Configuration: Mobile Hot Spot 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; $\varepsilon_r$ = 50.675; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

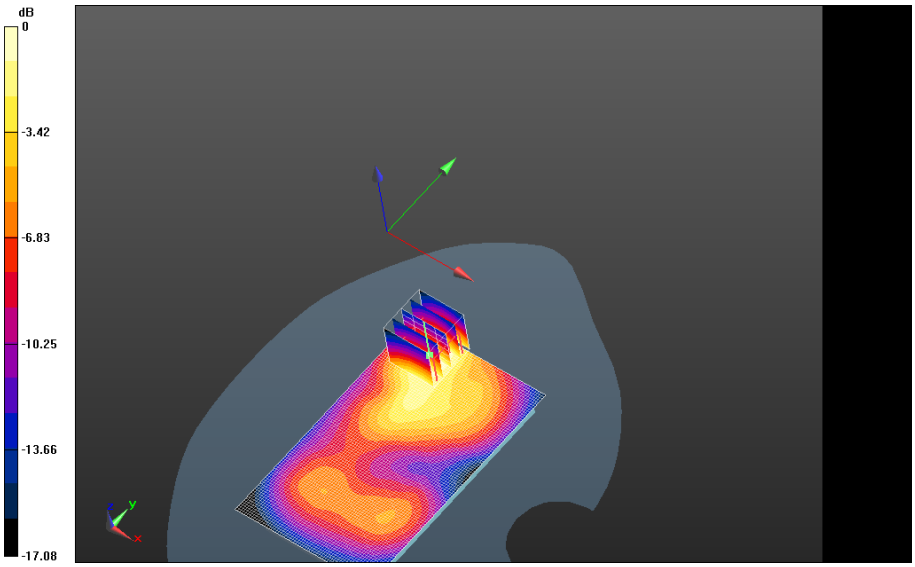
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.682 W/kg

**Mobile Hot Spot MSL - UMTS II/10mm Device Back - UMTS_II_chan9400_amb_temp_23.6C_liq_temp_22.4C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 7.981 V/m; **Power Drift = -0.161 dB**

**Averaged SAR: SAR(1g) = 0.585 W/kg; SAR(10g) = 0.330 W/kg**
Maximum value of SAR (interpolated) = 0.993 W/kg




0 dB = 0.691 W/kg = -1.61 dBW/kg

# CDMA 1900

Date: 6/28/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E7691**

## Configuration: Mobile Hot Spot MSL - CDMA 1900 BC1

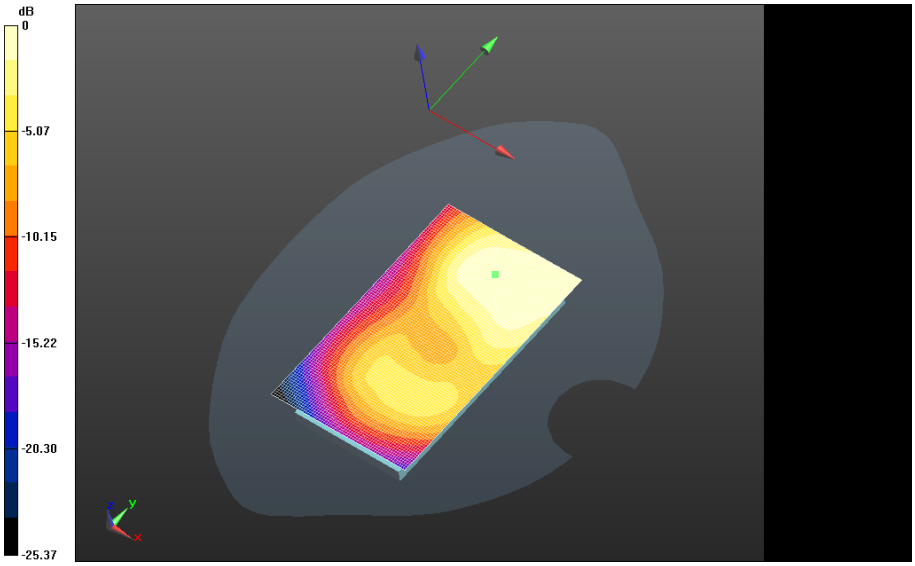
Communication System: CDMA 1900; Communication System Band: CDMA 2000 PCS;
Frequency: 1851.25 MHz
Medium Parameters used: f=1851.25 MHz; $\sigma$ = 1.489 S/m; $\varepsilon_r$ = 51.239; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

**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)

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan25_amb_temp_23.6C_liq_temp_22.5C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 12.250 V/m; **Power Drift = 0.097 dB**

**Fast SAR: SAR(1g) = 0.796 W/kg; SAR(10g) = 0.496 W/kg**
Maximum value of SAR (interpolated) = 0.947 W/kg

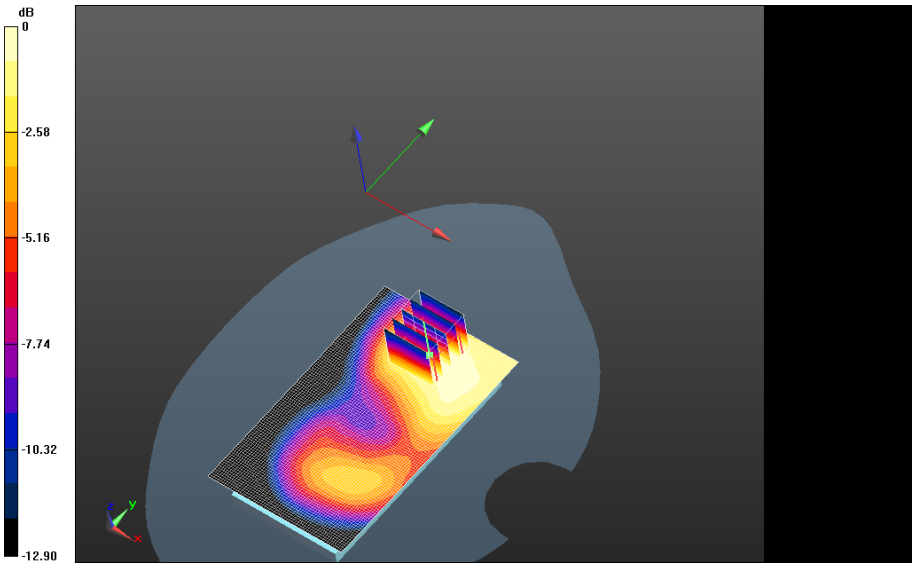



0 dB = 0.947 W/kg = -0.24 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan600_amb_temp_23.3C_liq_temp_22.6C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.498 V/m; **Power Drift = -0.069 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan600_amb_temp_23.3C_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 = 11.498 V/m; **Power Drift = -0.069 dB**

**Averaged SAR: SAR(1g) = 0.847 W/kg; SAR(10g) = 0.547 W/kg**
Maximum value of SAR (interpolated) = 1.30 W/kg

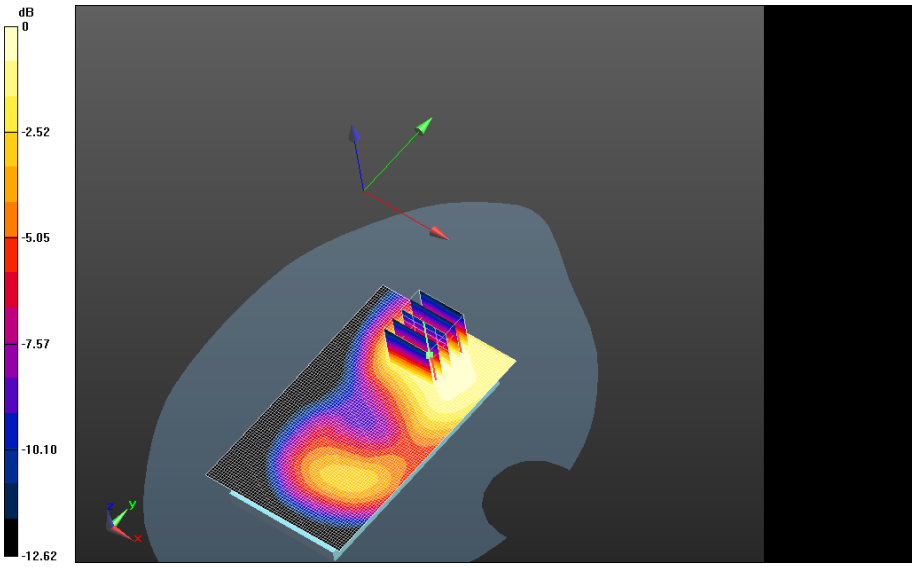



0 dB = 0.947 W/kg = -0.24 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan600_2nd scan_amb_temp_23.1C_liq_temp_22.8C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 11.484 V/m; **Power Drift = -0.099 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan600_2nd scan_amb_temp_23.1C_liq_temp_22.8C/Zoom Scan (21x21x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 11.484 V/m; **Power Drift = -0.099 dB**

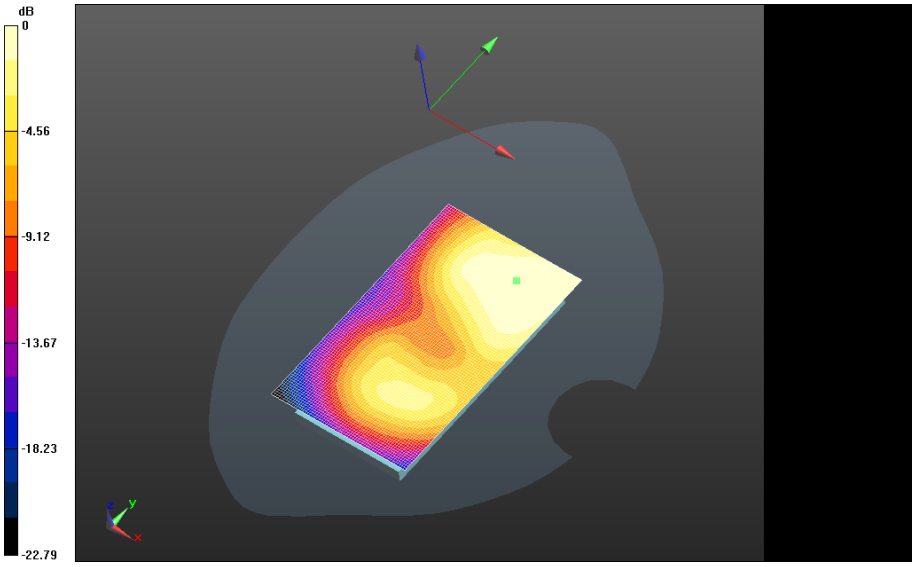
**Averaged SAR: SAR(1g) = 0.849 W/kg; SAR(10g) = 0.546 W/kg**
Maximum value of SAR (interpolated) = 1.32 W/kg




0 dB = 0.997 W/kg = -0.01 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Back - CDMA 1900 BC1_chan1175_amb_temp_23.1C_liq_temp_22.4C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 10.554 V/m; **Power Drift = -0.051 dB**

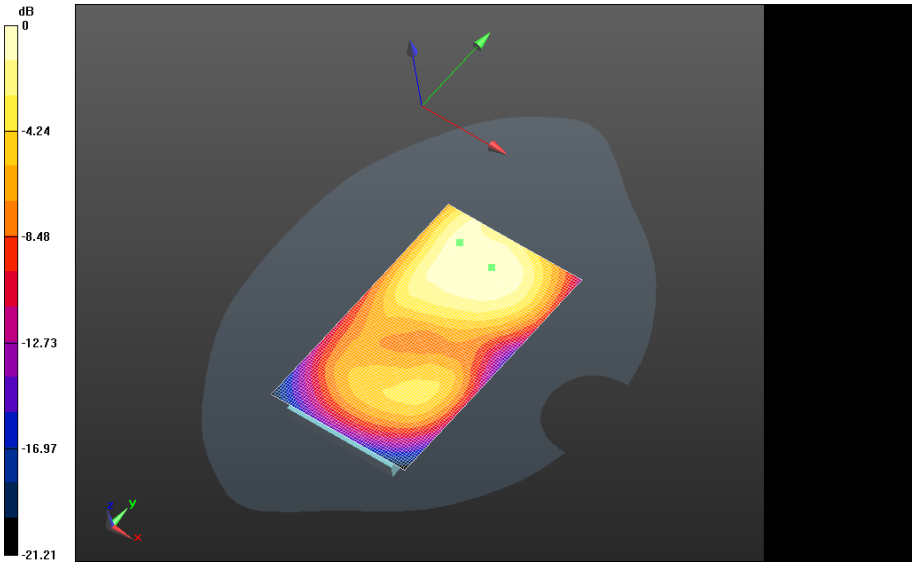
**Fast SAR: SAR(1g) = 0.718 W/kg; SAR(10g) = 0.448 W/kg**
Maximum value of SAR (interpolated) = 0.858 W/kg




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

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan25_amb_temp_23.4C_liq_temp 22.3C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.063 V/m; **Power Drift = -0.070 dB**

**Fast SAR: SAR(1g) = 1.09 W/kg; SAR(10g) = 0.677 W/kg**
Maximum value of SAR (interpolated) = 1.29 W/kg



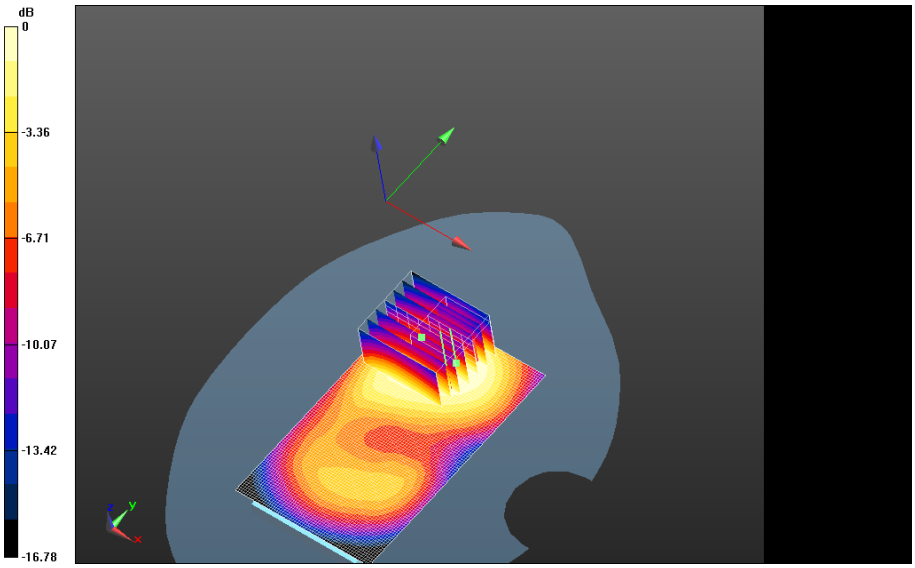

0 dB = 0.858 W/kg = -0.67 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan600_amb_temp_23.4C_liq_temp 22.3C/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.143 V/m; **Power Drift = -0.098 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm 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 = 16.143 V/m; **Power Drift = -0.098 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan600_amb_temp_23.4C_liq_temp 22.3C/Zoom Scan 2 (36x31x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 16.143 V/m; **Power Drift = 0.384 dB**

**Averaged SAR: SAR(1g) = 1.07 W/kg; SAR(10g) = 0.704 W/kg**
Maximum value of SAR (interpolated) = 1.62 W/kg



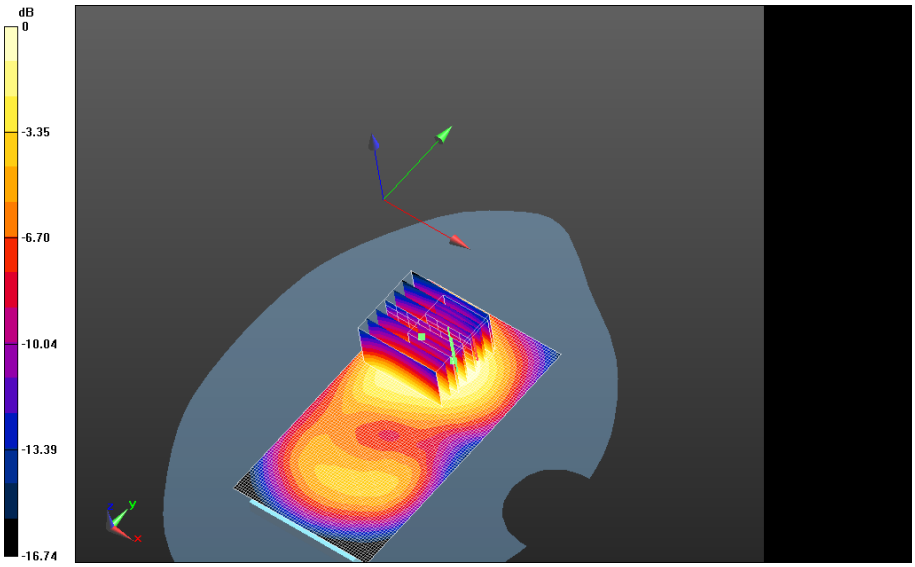

0 dB = 1.29 W/kg = 1.11 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan600_2nd Scan_amb_temp_23.4C_liq_temp 22.3C/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.244 V/m; **Power Drift = -0.00231 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan600_2nd Scan_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 = 15.244 V/m; **Power Drift = -0.00231 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan600_2nd Scan_amb_temp_23.4C_liq_temp 22.3C/Zoom Scan 2 (36x31x36)/Cube 0:** Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 15.244 V/m; **Power Drift = 0.084 dB**

**Averaged SAR: SAR(1g) = 1.09 W/kg; SAR(10g) = 0.703 W/kg**
Maximum value of SAR (interpolated) = 1.67 W/kg



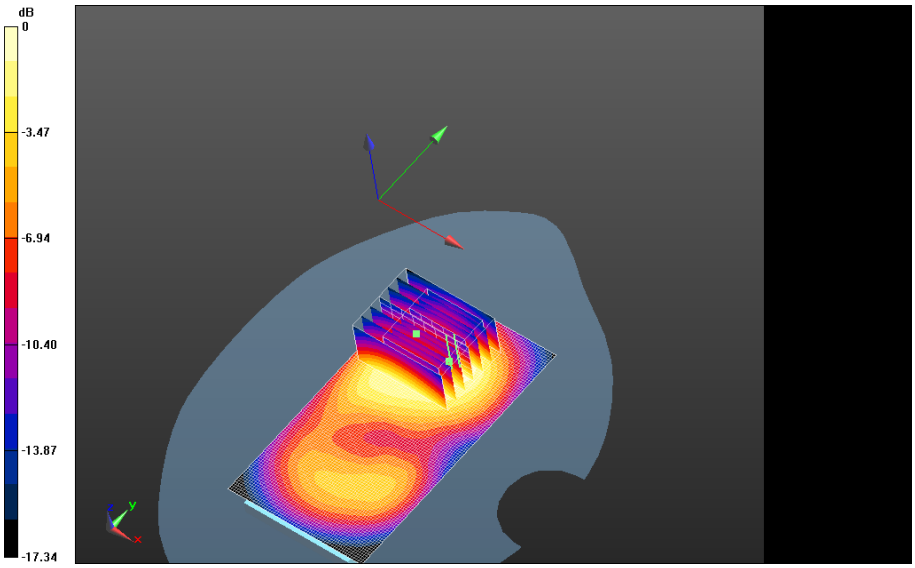

0 dB = 1.23 W/kg = 0.90 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan1175_amb_temp_23.3C_liq_temp 22.3C/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 15.533 V/m; **Power Drift = -0.016 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan1175_amb_temp_23.3C_liq_temp 22.3C/Zoom Scan (26x26x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 15.533 V/m; **Power Drift = -0.016 dB**

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Front - CDMA 1900 BC1_chan1175_amb_temp_23.3C_liq_temp 22.3C/Zoom Scan 2 (41x31x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 15.533 V/m; **Power Drift = 0.101 dB**

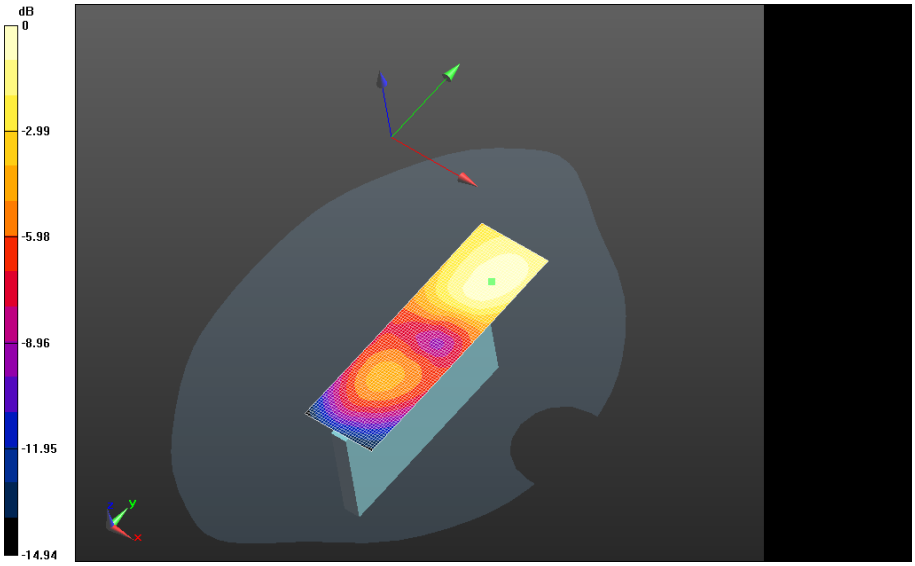
**Averaged SAR: SAR(1g) = 1.08 W/kg; SAR(10g) = 0.697 W/kg**
Maximum value of SAR (interpolated) = 1.66 W/kg




0 dB = 1.25 W/kg = 0.97 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Left - CDMA 1900 BC1_chan600_amb_temp_23.1C_liq_temp_22.3C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 6.502 V/m; **Power Drift = -0.028 dB**

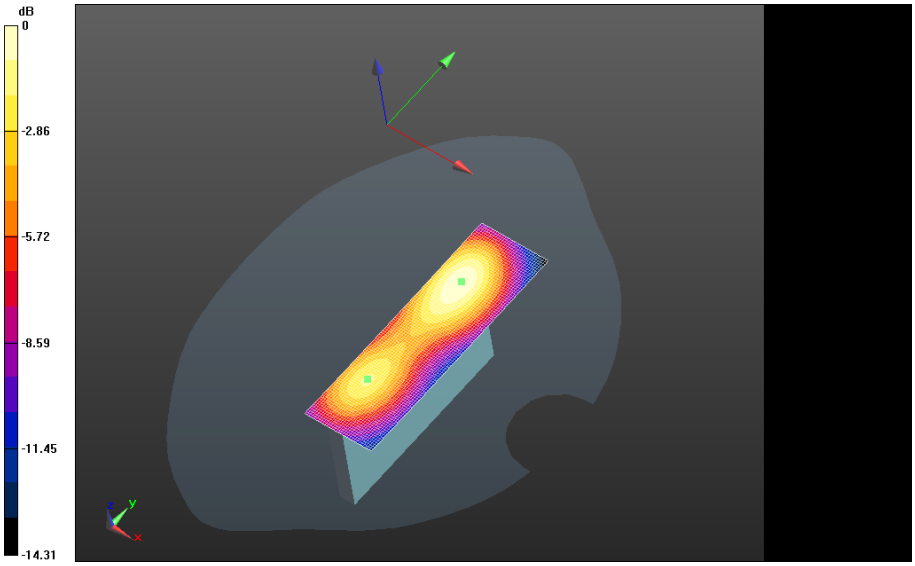
**Fast SAR: SAR(1g) = 0.178 W/kg; SAR(10g) = 0.108 W/kg; Secondary SAR(1g) = 0.898 W/kg**
Maximum value of SAR (interpolated) = 0.215 W/kg




0 dB = 1.27 W/kg = 1.04 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Right - CDMA 1900 BC1_chan25_amb_temp_23.6C_liq_temp_22.3C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.273 V/m; **Power Drift = 0.083 dB**

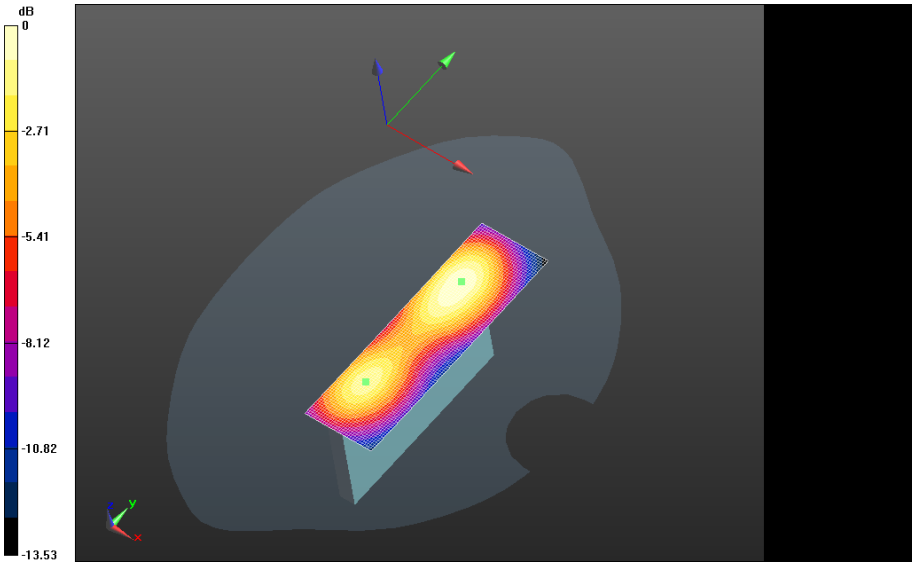
**Fast SAR: SAR(1g) = 0.818 W/kg; SAR(10g) = 0.464 W/kg; Secondary SAR(1g) = 0.548 W/kg**
Maximum value of SAR (interpolated) = 1.01 W/kg




0 dB = 0.215 W/kg = -6.68 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Right - CDMA 1900 BC1_chan600_amb_temp_23.1C_liq_temp_22.3C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 17.867 V/m; **Power Drift = -0.033 dB**

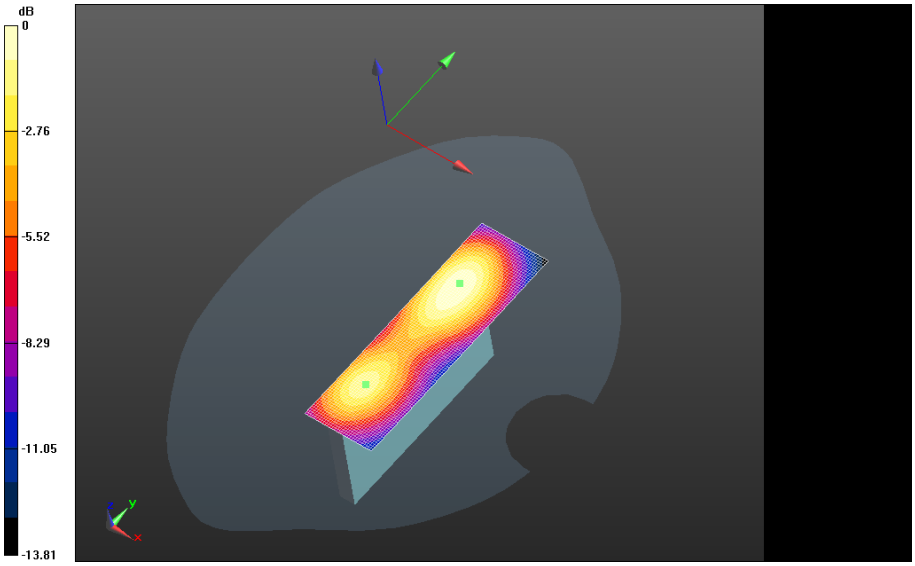
**Fast SAR: SAR(1g) = 0.872 W/kg; SAR(10g) = 0.499 W/kg; Secondary SAR(1g) = 0.666 W/kg**
Maximum value of SAR (interpolated) = 1.07 W/kg




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

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Right - CDMA 1900 BC1_chan1175_amb_temp_23.1C_liq_temp_22.3C/Area Scan (31x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 16.734 V/m; **Power Drift = -0.098 dB**

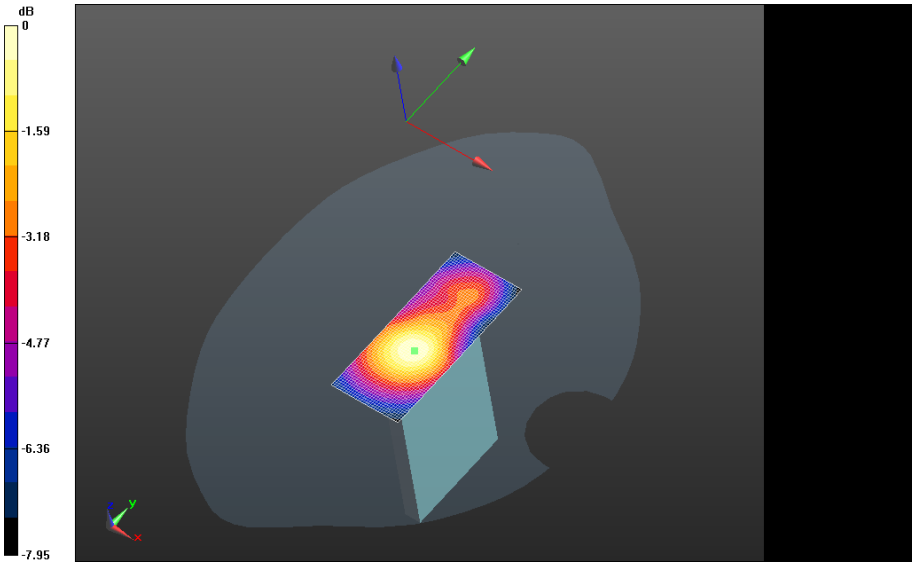
**Fast SAR: SAR(1g) = 0.786 W/kg; SAR(10g) = 0.452 W/kg; Secondary SAR(1g) = 0.598 W/kg**
Maximum value of SAR (interpolated) = 0.959 W/kg




0 dB = 1.07 W/kg = 0.29 dBW/kg

**Mobile Hot Spot MSL - CDMA 1900 BC1/10mm Device Bottom - CDMA 1900 BC1_chan600_amb_temp_23.5C_liq_temp_22.2C/Area Scan (31x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 18.135 V/m; **Power Drift = -0.089 dB**

**Fast SAR: SAR(1g) = 0.407 W/kg; SAR(10g) = 0.237 W/kg; Secondary SAR(1g) = 0.598 W/kg**
Maximum value of SAR (interpolated) = 0.492 W/kg




0 dB = 0.959 W/kg = -0.18 dBW/kg

# 802.11b/g

Date: 7/25/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 303E76AA**

## Configuration: Mobile Hot Spot 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; $\varepsilon_r$ = 50.993; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

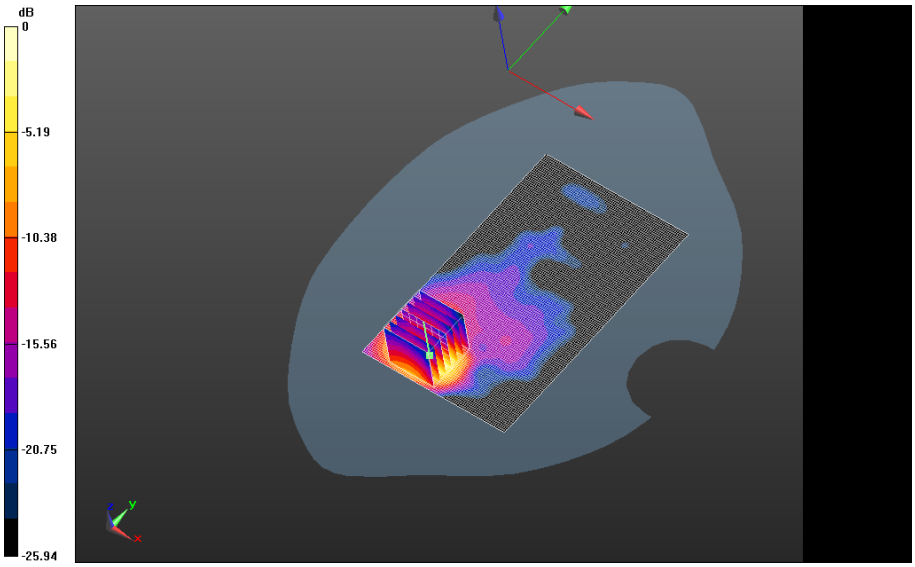
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan6_amb_temp_23.0C_liq_temp_22.6C/Area Scan 2 (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.186 V/m; **Power Drift = 0.195 dB**

**Mobile Hot Spot MSL - 802.11g/10mm Device Back - 802.11g_chan6_amb_temp_23.0C_liq_temp_22.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 1.186 V/m; **Power Drift = 0.195 dB**

**Averaged SAR: SAR(1g) = 0.190 W/kg; SAR(10g) = 0.0839 W/kg**
Maximum value of SAR (interpolated) = 0.422 W/kg

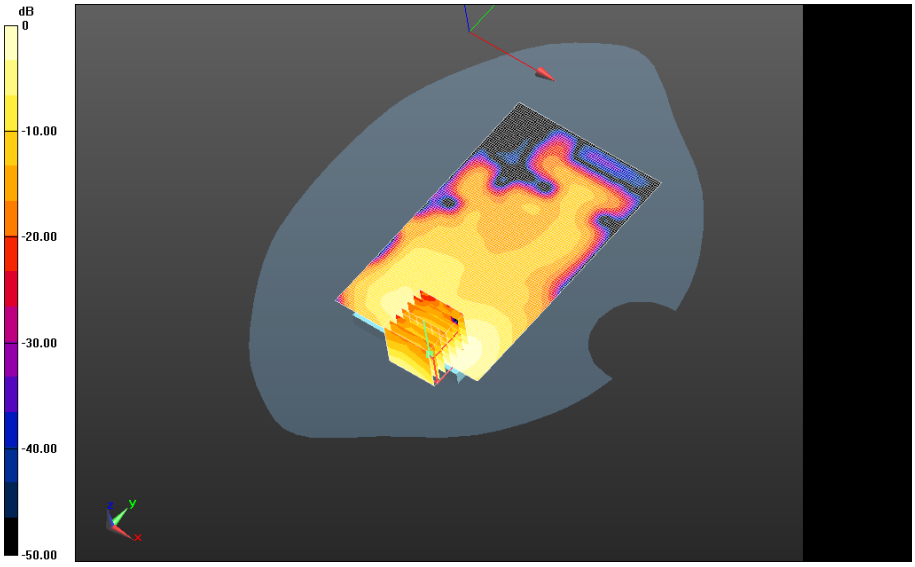



0 dB = 0.257 W/kg = -5.90 dBW/kg

**Mobile Hot Spot MSL - 802.11g/10mm Device Front - 802.11g_chan6_amb_temp_23.2C_liq_temp_21.5C/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 1.407 V/m; **Power Drift = 0.429 dB**

**Mobile Hot Spot MSL - 802.11g/10mm Device Front - 802.11g_chan6_amb_temp_23.2C_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 = 1.407 V/m; **Power Drift = 0.429 dB**

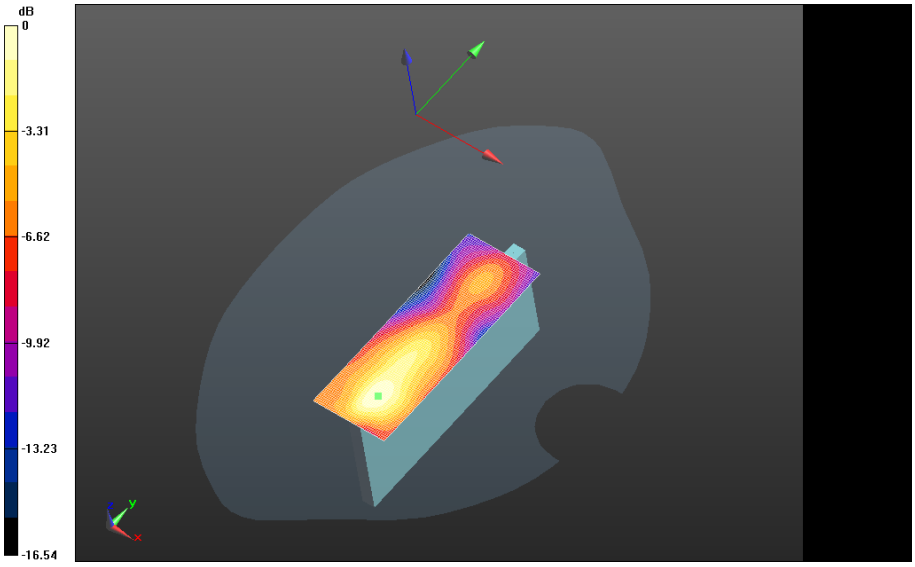
**Averaged SAR: SAR(1g) = 0.0451 W/kg; SAR(10g) = 0.0232 W/kg**
Maximum value of SAR (interpolated) = 0.0878 W/kg




0 dB = 0.257 W/kg = -5.90 dBW/kg

**Mobile Hot Spot MSL - 802.11g/10mm Device Left - 802.11g_chan6_amb_temp_23.0C_liq_temp_22.6C/Area Scan (41x111x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 2.789 V/m; **Power Drift = -0.00381 dB**

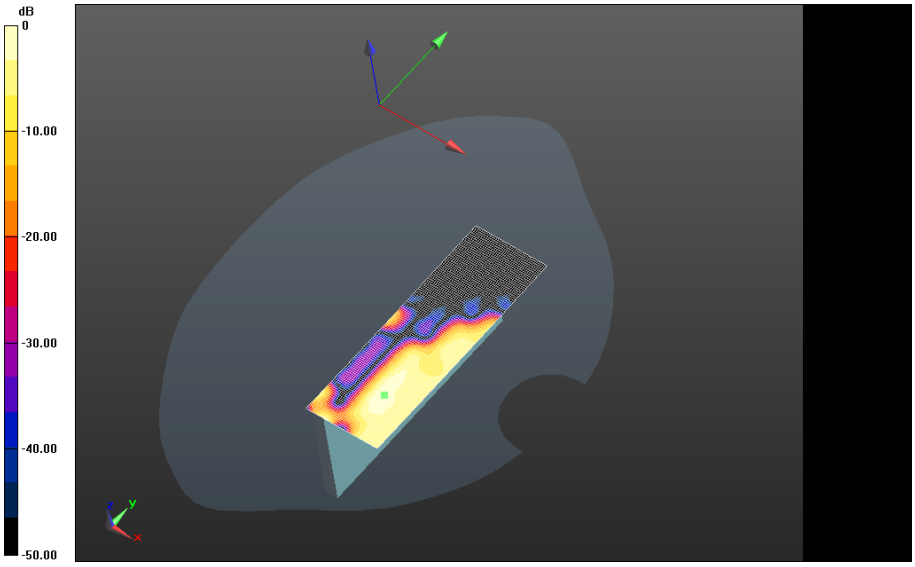
**Fast SAR: SAR(1g) = 0.0286 W/kg; SAR(10g) = 0.0142 W/kg**
Maximum value of SAR (interpolated) = 0.0375 W/kg




0 dB = 0.0572 W/kg = -12.43 dBW/kg

**Mobile Hot Spot MSL - 802.11g/10mm Device Right - 802.11g_chan6_amb_temp_22.7C_liq_temp_22.6C/Area Scan (41x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 0.394 V/m; **Power Drift = 0.382 dB**

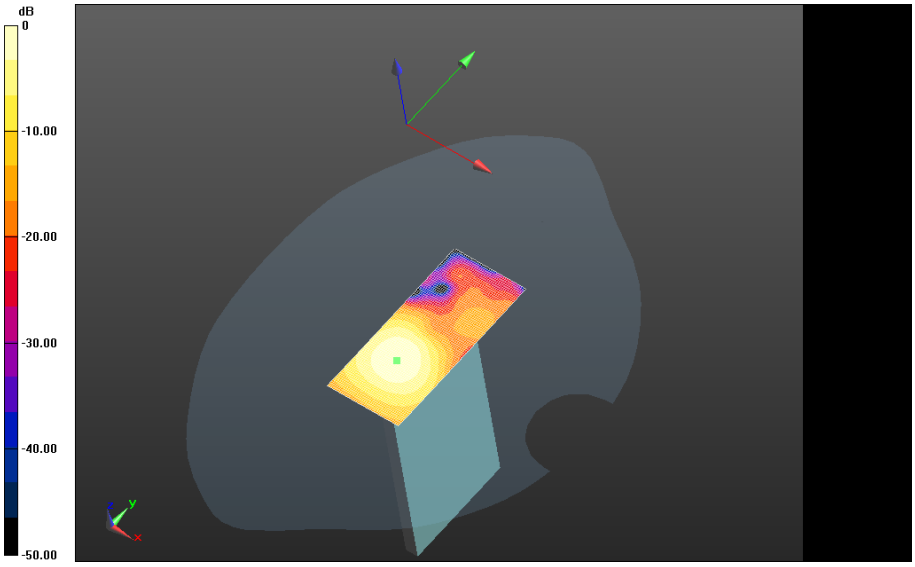
**Fast SAR: SAR(1g) = 0.00258 W/kg; SAR(10g) = 0.00113 W/kg**
Maximum value of SAR (interpolated) = 0.00447 W/kg




0 dB = 0.0375 W/kg = -14.26 dBW/kg

**Mobile Hot Spot MSL - 802.11g/10mm Device Top - 802.11g_chan6_amb_temp_23.0C_liq_temp_22.6C/Area Scan (41x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Reference Value = 4.182 V/m; **Power Drift = 0.00828 dB**

**Fast SAR: SAR(1g) = 0.0904 W/kg; SAR(10g) = 0.0444 W/kg**
Maximum value of SAR (interpolated) = 0.118 W/kg




0 dB = 0.00447 W/kg = -23.50 dBW/kg

# Bluetooth

Date: 6/18/2013

Test Lab: RIM Testing Services
**DUT Name: BlackBerry Smartphone, Type: Sample, Serial: 333E2854**

## Configuration: Mobile Hot Spot MSL - Bluetooth

Communication System: 802.11 b (2450); Communication System Band: 802.11 b; Frequency: 2437 MHz
Medium Parameters used: f=2437 MHz; $\sigma$ = 1.887 S/m; $\varepsilon_r$ = 50.251; $\rho$ = 1.000 g/cm$^3$
Phantom section: Flat Section

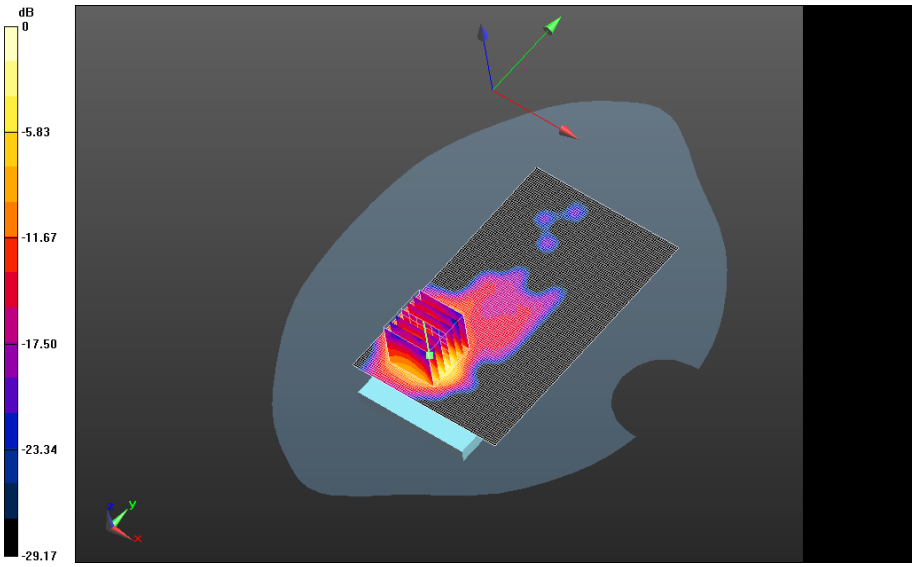
**DASY Configuration:**

- 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)

**Mobile Hot Spot MSL - Bluetooth/10mm Device Back - Bluetooth_chan0_amb_temp_23.1C_liq_temp_21.6C/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0836 W/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Back - Bluetooth_chan0_amb_temp_23.1C_liq_temp_21.6C/Zoom Scan (31x31x36)/Cube 0:**
Interpolated grid: dx=1.000 mm, dy=1.000 mm, dz=1.000 mm
Reference Value = 5.908 V/m; **Power Drift = -0.00777 dB**

**Averaged SAR: SAR(1g) = 0.0617 W/kg; SAR(10g) = 0.0273 W/kg**
Maximum value of SAR (interpolated) = 0.134 W/kg

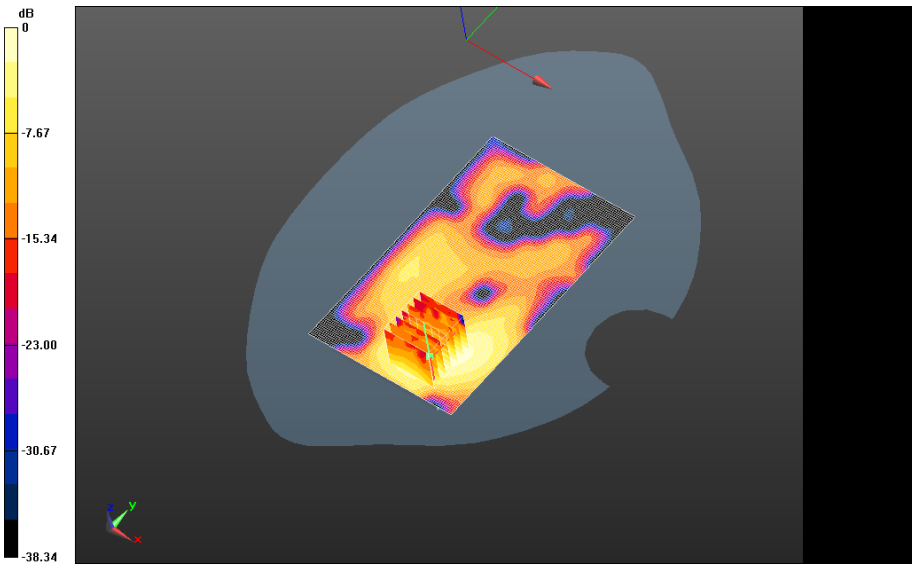



0 dB = 0.0821 W/kg = -10.86 dBW/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Front - Bluetooth_chan0_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) = 0.0230 W/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Front - Bluetooth_chan0_amb_temp_23.2C_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 = 3.513 V/m; **Power Drift = 0.324 dB**

**Averaged SAR: SAR(1g) = 0.0186 W/kg; SAR(10g) = 0.00923 W/kg**
Maximum value of SAR (interpolated) = 0.0384 W/kg

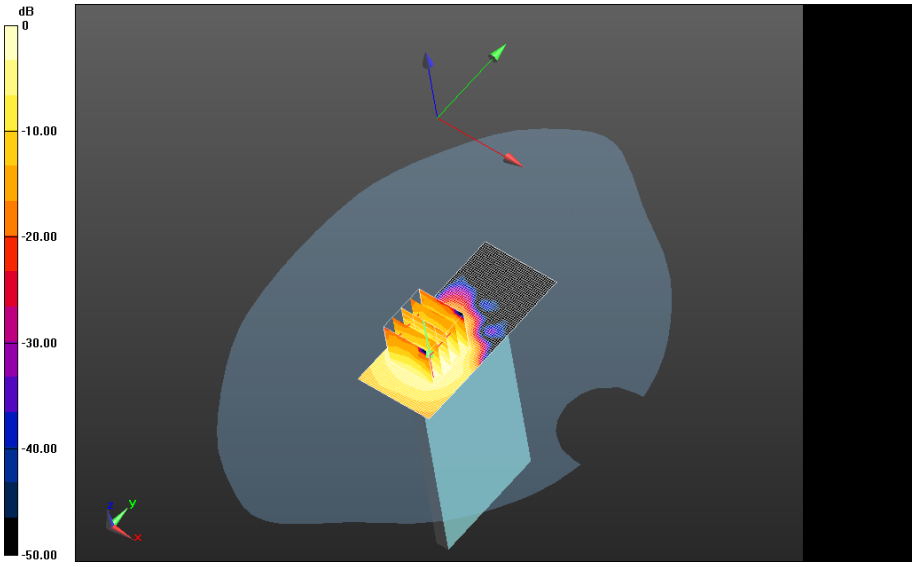



0 dB = 0.0821 W/kg = -10.86 dBW/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Top - Bluetooth_chan0_amb_temp_23.2C_liq_temp_21.4C/Area Scan (41x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0377 W/kg

**Mobile Hot Spot MSL - Bluetooth/10mm Device Top - Bluetooth_chan0_amb_temp_23.2C_liq_temp_21.4C/Zoom Scan (21x21x36)/Cube 0:**
Interpolated grid: dx=1.500 mm, dy=1.500 mm, dz=1.000 mm
Reference Value = 4.441 V/m; **Power Drift = 0.156 dB**

**Averaged SAR: SAR(1g) = 0.0307 W/kg; SAR(10g) = 0.0158 W/kg**
Maximum value of SAR (interpolated) = 0.0596 W/kg




0 dB = 0.0243 W/kg = -16.14 dBW/kg