| Testing<br>Services**     |          | Annex B to Hearing Aid Compatibility RF Emissions Test<br>Report for the BlackBerry® Smartphone model RFX101LW |                  |        | Page<br>1(11) |
|---------------------------|----------|--|------------------|--------|---------------|
| Author Data Dates of Test |          |  | Report No        | FCC ID |               |
| Daoud Attayi              | June 13- | July 04, 2013  | RTS-6046-1307-26 | L6AR   | FX100LW       |

# Annex B: Probe and dipole descriptions and calibration certificates

**B.2** Dipole calibration certificate

Page

Author Data **Daoud Attayi** 

Dates of Test June 13-July 04, 2013

#### FCC ID Report No L6ARFX100LW RTS-6046-1307-26

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**Calibration Laboratory of** Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



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Swiss Calibration Service

Accreditation No.: SCS 108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client **RTS (RIM Testing Services)** 

Certificate No: CD835V3-1089\_Jan13

| CALIBRATION (   | CERTIFICAT                        |   |                                |
|---|-----------------------------------|---|--------------------------------|
| Object  | CD835V3 - SN:                     | 1089 Satury Construction New York   |                                |
| Calibration procedure(s)  | QA CAL-20.v6<br>Calibration proce | edure for dipoles in air  |                                |
| Calibration date:   | January 15, 201                   | 3   |                                |
| The measurements and the unce<br>All calibrations have been condu | ertainties with confidence p      | ional standards, which realize the physical unit probability are given on the following pages and physicality; environment temperature $(22 \pm 3)^{\circ}$ | d are part of the certificate. |
| Calibration Equipment used (M&                                    | I E critical for calibration)     | Cal Data (Cartilizata Mal)  | Scheduled Calibration          |
| Primary Standards<br>Power meter EPM-442A                         | GB37480704                        | Cal Date (Certificate No.)<br>01-Nov-12 (No. 217-01640)   | Oct-13                         |
| Power meter EPM-442A<br>Power sensor HP 8481A                     | U\$37292783                       | 01-Nov-12 (No. 217-01640)   | Oct-13                         |
| Reference 10 dB Attenuator  | SN: 5047.2 (10g)                  | 27-Mar-12 (No. 217-01640)   | Apr-13                         |
| Probe ER3DV6  | SN: 2336                          | 28-Dec-12 (No. ER3-2336_Dec12)  | Dec-13                         |
| Probe H3DV6   | SN: 6065                          | 28-Dec-12 (No. H3-6065_Dec12)   | Dec-13                         |
| DAE4  | SN: 781                           | 29-May-12 (No. DAE4-781_May12)  | May-13                         |
| Secondary Standards   | ID #                              | Check Date (in house)   | Scheduled Check                |
| Power meter Agilent 4419B   | SN: GB42420191                    | 09-Oct-09 (in house check Oct-12)   | In house check; Oct-13         |
| Power sensor HP E4412A  | SN: MY41495277                    | 01-Apr-08 (in house check Oct-12)   | In house check: Oct-13         |
| Power sensor HP 8482A   | SN: US37295597                    | 09-Oct-09 (in house check Oct-12)   | In house check: Oct-13         |
| Network Analyzer HP 8753E   | US37390585                        | 18-Oct-01 (in house check Oct-12)   | In house check: Oct-13         |
| RF generator R&S SMT-06   | SN: 832283/011                    | 27-Aug-12 (in house check Oct-12)   | In house check: Oct-14         |
| Calibrated by:  | Name<br>Claudio Leubler           | Function<br>Laboratory Technician   | Signatüre                      |
| Approved by:  | Fin Bomholt                       | Deputy Technical Manager  | F. Bandade                     |
| ······································                            |                                   | n full without without provide of the laboratory  | Issued: January 17, 2013       |
| This calibration certificate shall n                              | tot be reproduced except t        | n full without written approval of the laboratory   | ۶<br>                          |

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Author Data **Daoud Attayi**  Dates of Test June 13-July 04, 2013

Document

FCC ID Report No RTS-6046-1307-26

L6ARFX100LW

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Schweizerischer Kalibrierdienst Service suisse d'étalonnage С Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

#### References

[2]

[1] ANSI-C63.19-2007

American National Standard for Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

ANSI-C63 19-2011 American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

#### Methods Applied and Interpretation of Parameters:

- Coordinate System: y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes. In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a distance of 10 mm (15 mm for [2]) above the top metal edge of the dipole arms.
- Measurement Conditions: Further details are available from the hardcopies at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- Antenna Positioning: The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Feed Point Impedance and Return Loss: These parameters are measured using a HP 8753E Vector Network Analyzer. The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution: E field is measured in the x-y-plane with an isotropic ER3D-field probe with 100 mW forward power to the antenna feed point. In accordance with [1] and [2], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 10 mm (15 mm for [2]) (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-Efield, in the plane above the dipole surface.
- H-field distribution: H-field is measured with an isotropic H-field probe with 100mW forward power to the antenna feed point, in the x-y-plane. The scan area and sensor distance is equivalent to the E-field scan. The maximum of the field is available at the center (subgrid 5) above the feed point. The H-field value stated as calibration value represents the maximum of the interpolated H-field, 10mm above the dipole surface at the feed point

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

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| Daoud Attayi June 13-July 04, 2013 | RTS-6046-1307-26 | L6ARFX100LW |

### **Measurement Conditions**

DASY system configuration, as far as not given on page 1.

| DASY Version                          | DASY5                  | V52.8.5 |
|---------------------------------------|------------------------|---------|
| Extrapolation                         | Advanced Extrapolation |         |
| Phantom                               | HAC Test Arch          |         |
| Distance Dipole Top - Probe<br>Center | 15mm                   |         |
| Scan resolution                       | dx, dy = 5 mm          |         |
| Frequency                             | 835 MHz ± 1 MHz        |         |
| Input power drift                     | < 0.05 dB              |         |

## Maximum Field values at 835 MHz

| E-field 15 mm above dipole surface | condition          | Interpolated maximum       |
|------------------------------------|--------------------|----------------------------|
| Maximum measured above high end    | 100 mW input power | 108.7 V / m                |
| Maximum measured above low end     | 100 mW input power | 108.3 V / m                |
| Averaged maximum above arm         | 100 mW input power | 108.5 V / m ± 12.8 % (k=2) |

#### Appendix

## Antenna Parameters

| Frequency | Return Loss | Impedance        |
|-----------|-------------|------------------|
| 800 MHz   | 16.1 dB     | 43.7 Ω - 13.5 jΩ |
| 835 MHz   | 26.1 dB     | 48.7 Ω + 4.7 jΩ  |
| 900 MHz   | 17.6 dB     | 56.3 Ω - 12.6 jΩ |
| 950 MHz   | 20.7 dB     | 46.2 Ω + 8.0 jΩ  |
| 960 MHz   | 15.0 dB     | 53.5 Ω + 18.3 jΩ |

#### 3.2 Antenna Design and Handling

The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

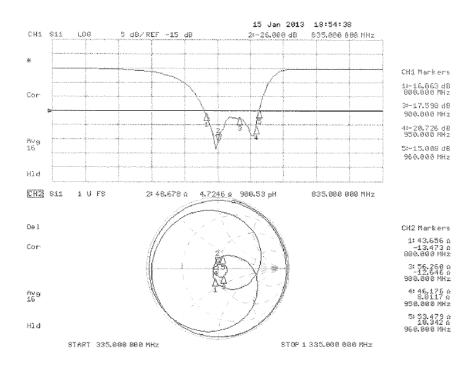
After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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|   |              | sting<br>rvices™ | Annex B to Hearing Aid Compatibility<br>Report for the BlackBerry® Smartpho |                  | 1      | Page 5(11) |
|---|--------------|------------------|---|------------------|--------|------------|
| A | Author Data  | Dates of Test    |   | Report No        | FCC ID |            |
|   | Daoud Attayi | June 13-         | July 04, 2013   | RTS-6046-1307-26 | L6AR   | FX100LW    |

## Impedance Measurement Plot



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Author Data Daoud Attayi

FCC ID Report No RTS-6046-1307-26

L6ARFX100LW

## **DASY5 E-field Result**

Date: 15.01.2013

Test Laboratory: SPEAG Lab2

#### DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: CD835V3 - SN: 1089

Communication System: CW; Frequency: 835 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

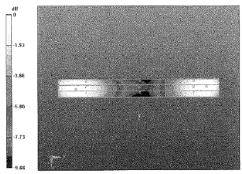
DASY52 Configuration:

- Probe: ER3DV6 SN2336; ConvF(1, 1, 1); Calibrated: 28.12.2012; 0
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 29.05.2012 0
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070 ۰
- DASY52 52.8.5(1059); SEMCAD X 14.6.8(7028)

## Dipole E-Field measurement @ 835MHz/E-Scan - 835MHz d=15mm/Hearing Aid Compatibility Test (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm Device Reference Point: 0, 0, -6.3 mm Reference Value = 111.1 V/m; Power Drift = -0.01 dB PMR not calibrated. PMF = 1.000 is applied. E-field emissions = 108.7 V/m Near-field category: M4 (AWF 0 dB)

| PMF scaled E-field |           |           |  |  |  |
|--------------------|-----------|-----------|--|--|--|
| Grid 1 M4          | Grid 2 M4 | Grid 3 M4 |  |  |  |
| 107.8 V/m          | 108.7 V/m | 105.3 V/m |  |  |  |
| Grid 4 M4          | Grid 5 M4 | Grid 6 M4 |  |  |  |
| 62.78 V/m          | 63.30 V/m | 62.10 V/m |  |  |  |
| Grid 7 M4          | Grid 8 M4 | Grid 9 M4 |  |  |  |
| 105.0 V/m          | 108.3 V/m | 107.6 V/m |  |  |  |



0 dB = 108.7 V/m = 40.72 dBV/m

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|---|--|--|---|---------|
|   | Dates of Test<br>June 13-July 04   | , 2013   | Report No<br>RTS-6046-1307-26   | FCC ID  |
| alibration Laborate<br>chmid & Partner<br>Engineering AG  | -  |  | Schweizerischer Kalibrierdienst<br>Service suisse d'étalonnage<br>Servizio svizzero di taratura   |         |
| eughausstrasse 43, 8004 Zu  | itation Service (SAS)  | Accreditation N  | Swiss Calibration Service   |         |
| he Swiss Accreditation Serv<br>ultilateral Agreement for the  | -  |  |   |         |
| lient RTS (RIM Tes  | ting Services)   | Certificate No:  | CD1880V3-1068_Jan13   |         |
| CALIBRATION   | CERTIFICAT   |  | aan oo aan ta'u ah  |         |
|   |  | 1000   |   |         |
| Object  | CD1880V3 - SN:   | <b>1068</b> (1986) - 1987 - | ing always and the pro-   |         |
| Calibration procedure(s)  | QA CAL-20.v6<br>Calibration proce  | dure for dipoles in air  |   |         |
|   |  |  |   |         |
|   |  |  |   |         |
| Calibration date:   | January 15, 2013   |  |   |         |
| This calibration certificate doc<br>The measurements and the u  | January 15, 2013<br>uments the traceability to nati<br>coertainties with confidence p  | 3<br>ional standards, which realize the physical units<br>probability are given on the following pages and   | are part of the certificate.  |         |
| This calibration certificate doc<br>The measurements and the u<br>All calibrations have been con  | January 15, 2013<br>uments the traceability to nati<br>ncertainties with confidence p<br>ducted in the closed laborato   | 3<br>ional standards, which realize the physical units   | are part of the certificate.  |         |
| This calibration certificate doc<br>The measurements and the u<br>All calibrations have been con<br>Calibration Equipment used (I   | January 15, 2013<br>uments the traceability to nati<br>neertainties with confidence p<br>ducted in the closed faborato<br>4&TE critical for calibration}   | 3 ional standards, which realize the physical units robability are given on the following pages and ry facility: environment temperature ( $22 \pm 3$ )°C i  | are part of the certificate.<br>and humidity < 70%.   |         |
| This calibration certificate doc<br>The measurements and the u<br>All calibrations have been con  | January 15, 2013<br>uments the traceability to nati<br>ncertainties with confidence p<br>ducted in the closed laborato   | 3<br>ional standards, which realize the physical units<br>probability are given on the following pages and   | are part of the certificate.  |         |
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| This calibration certificate doc<br>The measurements and the ui<br>All calibrations have been con<br>Calibration Equipment used (I<br><u>Primary Standards</u><br>Power meter EPM-442A<br>Power sensor HP 8481A<br>Reference 10 dB Attenuator<br>Probe ER3DV6   | January 15, 2013<br>uments the traceability to nati<br>neertainties with confidence p<br>ducted in the closed laborato<br>#&TE critical for calibration)<br>ID #<br>GB37480704<br>US37292783<br>SN: 5047.2 (10q)<br>SN: 2336   | 3<br>ional standards, which realize the physical units<br>robability are given on the following pages and<br>ry facility: environment temperature (22 ± 3)°C i<br>Cal Date (Certificate No.)<br>01-Nov-12 (No. 217-01640)<br>01-Nov-12 (No. 217-01640)<br>27-Mar-12 (No. 217-01527)<br>28-Dec-12 (No. ER3-2336_Dec12)  | are part of the certificate.<br>and humidity < 70%.<br>Scheduled Calibration<br>Oct-13<br>Oct-13<br>Apr-13<br>Dec-13  |         |
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Document

#### FCC ID Report No RTS-6046-1307-26 L6ARFX100LW

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)



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Swiss Calibration Service

Accreditation No.: SCS 108

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

#### References

ANSI-C63.19-2007 [1]

American National Standard for Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

[2] ANSI-C63.19-2011

American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids

#### Methods Applied and Interpretation of Parameters:

- Coordinate System: y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes. In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a distance of 10 mm (15 mm for [2]) above the top metal edge of the dipole arms.
- Measurement Conditions: Further details are available from the hardcopies at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- Antenna Positioning: The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Feed Point Impedance and Return Loss: These parameters are measured using a HP 8753E Vector Network Analyzer. The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution: E field is measured in the x-y-plane with an isotropic ER3D-field probe with 100 mW forward power to the antenna feed point. In accordance with [1] and [2], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 10 mm (15 mm for [2]) (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-Efield, in the plane above the dipole surface
- H-field distribution: H-field is measured with an isotropic H-field probe with 100mW forward power to the antenna feed point, in the x-y-plane. The scan area and sensor distance is equivalent to the E-field scan. The maximum of the field is available at the center (subgrid 5) above the feed point. The H-field value stated as calibration value represents the maximum of the interpolated H-field, 10mm above the dipole surface at the feed point.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

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**Measurement Conditions** 

DASY system configuration, as far as not given on page 1.

| DASY Version                          | DASY5                  | V52.8.5 |
|---------------------------------------|------------------------|---------|
| Extrapolation                         | Advanced Extrapolation |         |
| Phantom                               | HAC Test Arch          | ·····   |
| Distance Dipole Top - Probe<br>Center | 15mm                   |         |
| Scan resolution                       | dx, dy = 5 mm          |         |
| Frequency                             | 1880 MHz ± 1 MHz       |         |
| Input power drift                     | < 0.05 dB              |         |

### Maximum Field values at 1880 MHz

| E-field 15 mm above dipole surface | condition          | Interpolated maximum      |
|------------------------------------|--------------------|---------------------------|
| Maximum measured above high end    | 100 mW input power | 91.8 V / m                |
| Maximum measured above low end     | 100 mW input power | 88.7 V / m                |
| Averaged maximum above arm         | 100 mW input power | 90.3 V / m ± 12.8 % (k=2) |

## Appendix

#### Antenna Parameters

| Frequency | Return Loss | Impedance        |
|-----------|-------------|------------------|
| 1730 MHz  | 29.4 dB     | 48.9 Ω + 3.2 jΩ  |
| 1880 MHz  | 18.3 dB     | 46.9 Ω + 11.5 jΩ |
| 1900 MHz  | 18.4 dB     | 50.4 Ω + 12.1 jΩ |
| 1950 MHz  | 24.8 dB     | 54.4 Ω + 4.1 jΩ  |
| 2000 MHz  | 24.6 dB     | 45.0 Ω + 2.4 jΩ  |

#### 3.2 Antenna Design and Handling

The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

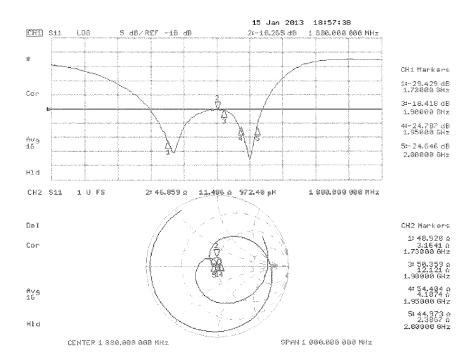
After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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|              | Document<br>Annex B to Hearing Aid Compatibility RF Emissions Test<br>Report for the BlackBerry® Smartphone model RFX101LW |               | Page 10(11)      |        |      |
|--------------|--|---------------|------------------|--------|------|
| Author Data  | Dates of Test  |               | Report No        | FCC ID |      |
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## Impedance Measurement Plot



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## **DASY5 E-field Result**

Date: 15.01.2013

Test Laboratory: SPEAG Lab2

## DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1068

Communication System: CW; Frequency: 1880 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007) \\

DASY52 Configuration:

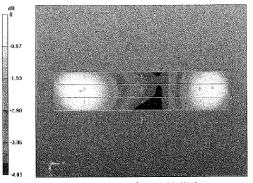
- Probe: ER3DV6 SN2336; Convf(1, 1, 1); Calibrated: 28.12.2012; 0
- œ Sensor-Surface: (Fix Surface)
- 0 Electronics: DAE4 Sn781; Calibrated: 29.05.2012
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070 .
- ۵ DASY52 52.8.5(1059); SEMCAD X 14.6.8(7028)

## Dipole E-Field measurement @ 1880MHz/E-Scan - 1880MHz d=15mm/Hearing Aid Compatibility Test (41x181x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm Device Reference Point: 0, 0, -6.3 mm Reference Value = 155.5 V/m; Power Drift = -0.00 dB PMR not calibrated. PMF = 1.000 is applied. E-field emissions = 91.75 V/m Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

| Grid 1 M3 | Grid 2 M3 | Grid 3 M3         |
|-----------|-----------|-------------------|
| 89.91 V/m | 91.75 V/m | 90.49 V/m         |
| Grid 4 M3 | Grid 5 M3 | Grid 6 M3         |
| 69.84 V/m | 70.70 V/m | 69.56 V/m         |
| Grid 7 M3 | Grid 8 M3 | Grid 9 M <b>3</b> |
| 85.61 V/m | 88.65 V/m | 88.08 V/m         |



0 dB = 91.75 V/m = 39.25 dBV/m

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