SlackB	erry	Document Annex B to Hearing Aid Co Report for the BlackBerry® (STR100-2)			Page 1(14)
Author Data Daoud Attayi	Dates of Test	17, 2015	Report No RTS-6063-1503-09	FCC ID	RHC160LW

# Annex B: Probe and dipole description and calibration certificates

B.1 Probe, measurement chain description, specification and calibration certificate

SlackB	erry		Aid Compatibility RF Emissions Berry® Smartphone model RHC		Page 2(14)
Author Data Daoud Attayi	Dates of Test Feb. 02-	17, 2015	Report No RTS-6063-1503-09	FCC ID L6A	RHC160LW

DASY Dosimetric Assessment System by Schmid & Partner Engineering AG

DASY Schmid & Partner Engineering AG News Sales Contact		A REAL PROVIDENCE OF A REAL PR
Applications	ER3DV6 ISOTRO	PIC E-FIELD PROBE FOR GENERAL NEAR-FIELD
Support & Downloads Products DASY4 Packages	-	<u>t Flyer</u> (PDF, 192kB)
EASY4     Probes     ET3DV6 - Isotropic Dos-Probe     ES3DV3 - Isotropic Dos-Probe	Construction	One dipole parallel, two dipoles normal to probe axis Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
EX3DV4 - Isotropic Dos-Probe ET1DV3 - D-Probe	Calibration	In air from 100 MHz to 3.0 GHz (absolute accuracy ±6.0%, k=2)
EUV3 - Universal Vector E-Probe H3DV6 - Isotropic H-Probe	Frequency	100 MHz to > 6 GHz; Linearity: $\pm$ 0.2 dB (100 MHz to 3 GHz)
HUV4 - Universal Vector H-Probe T1V3 - Temp-Probe DP1 - Dummy-Probe	Directivity	± 0.2 dB in air (rotation around probe axis) ± 0.4 dB in air (rotation normal to probe axis)
Data Acquisition System	Dynamic Range	2 V/m to > 1000 V/m; Linearity: $\pm$ 0.2 dB
Software     Phantoms     Robots	Dimensions	Overall length: 330 mm (Tip: 16 mm) Tip diameter: 8 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.5 mm
Validation Kits & Calibration Dipoles     Hearing Aid Compatibility (HAC) Ext     Tissue Simulating Liquids     SPEAG Home	Application	General near-field measurements up to 6 GHz Field component measurements Fast automatic scanning in phantoms

http://www.dasy4.com/er3.htm

SlackB	erry	-	npatibility RF Emissions Test Smartphone model RHC161LV		Page 3(14)
Author Data Daoud Attayi	Dates of Test Feb. 02-	17, 2015	Report No RTS-6063-1503-09	FCC ID	RHC160LW

All measurements were performed to the nearest element point as per the C63.19 standard. Offset distances were entered in the DASY5 software so that the measurement was to the nearest element.

Figures 1, provided by the manufacturer, illustrate detail of the probe tip and its dimensions.

**ER3DV6** E-Field probe: The distances from the probe tip to the closest points on the dipole sensors are 1.45mm for X and Y and 1.25mm for Z. From the probe tip to the center of the sensors is 2.5mm.



E-Field Probe (ER3DV6)

SlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)		Page 4(14)	
Author Data	Dates of Test		Report No	FCC ID	)
Daoud Attayi	Feb. 02-	·17, 2015	RTS-6063-1503-09	L6A	RHC160LW

The following information is from the system manufacturer user manual describing the process chain:

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics. If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$
(20.1)

with	$V_i$	= compensated signal of channel i	(i = x, y, z)
	$U_i$	= input signal of channel i	(i = x, y, z)
	cf	= crest factor of exciting field	(DASY parameter)
	$dcp_i$	= diode compression point	(DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

	$\mathrm{E-field probes}$ :	$E_i = \sqrt{\frac{V_i}{Norm_i \cdot C}}$	ConvF
	$\mathbf{H}-\mathbf{fieldprobes}$ :	$H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1}}{2}$	$\frac{f + a_{i2}f^2}{f}$
with	= compensated signal of $c$ = sensor sensitivity of cha $\mu V/(V/m)^2$ for E-field = sensitivity enhancement = sensor sensitivity factor = carrier frequency [GHz] = electric field strength of = magnetic field strength	nnel i l Probes t in solution s for H-field probes f channel i in V/m	$\begin{array}{l} (i=x,y,z) \\ (i=x,y,z) \end{array}$

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$
(20.2)

The measurement / integration time per point is > 500 ms, as per the system manufacturer:

The time response of the field probes has been assessed by exposing the probe to a well-controlled field producing signals larger than HAC E- and H-fields of class M4. The signal response time is evaluated as the time required by the system to reach 90% of the expected final value after an on/off switch of the power source with an integration time of 500 ms and a probe response time of <5 ms. In the current implementation, DASY4 waits longer than 100 ms after having reached the grid point before starting a measurement, i.e., the response time uncertainty is negligible.

If the device under test does not emit a CW signal, the integration time applied to measure the electric field at a specific point may introduce additional uncertainties due to the discretization. The tolerances for the different systems had the worst-case of 2.6%.

ta	Dates of Test		Report No		FCC ID
d Attayi	Feb. 02-1	17, 2015	RTS-6063	-1503-09	L6ARHC160L
				TST-SALL-00	0006
Sch	ibration Labor mid & Partner ngineering AG hausstrasse 43, 8004			Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service	
The S	wiss Accreditation S	reditation Service (SAS) ervice is one of the signatories the recognition of calibration	s to the EA	creditation No.: SCS 0108	
Clien	Blackberry	Waterloo	Certificate No:	ER3-2286_Jan15	
CA	LIBRATIO	N CERTIFICATE	91. 72.		
Obje	ct	ER3DV6 - SN:22	86		
Calib	pration procedure(s)	QA CAL-02.v8, G Calibration proce evaluations in air	dure for E-field probes optimized	for close near field	
Calik	oration date:	January 19, 2015			
			onal standards, which realize the physical unit robability are given on the following pages and		
The All c	measurements and the	e uncertainties with confidence p		I are part of the certificate.	
The Atl c Calit	measurements and the atibrations have been o bration Equipment user	s uncertainties with confidence p conducted in the closed laborator	robability are given on the following pages and	I are part of the certificate.	
The All c Calit	measurements and the	e uncertainties with confidence proceed aborator	robability are given on the following pages and ty facility: environment temperature (22 ± 3)°C Cal Data (Certificate No.) 03-Apr-14 (No. 217-01911)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15	
The All c Calit Prin Pow Pow Pow	measurements and the alibrations have been o bration Equipment user many Standards wer mater E4419B wer sensor E4412A	a uncertainties with confidence p conducted in the closed laborator a (M&TE critical for calibration) ID GB41293874 MY41498087	robability are given on the following pages and ty facility: environment temperature (22 ± 3)°C Cal Date (Certificate No.) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01911)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15	
All c Calit Prin Pow Pow Rof	measurements and the alibrations have been o bration Equipment user nary Standards wer meter E44198 wer sensor E4412A erence 3 dB Attenuato	a uncertainties with confidence pro- conducted in the closed laborator (M&TE critical for calibration) (D) (SE41293874 MY41498087 r SN: 55054 (3c)	Cal Date (Certificate No.)         03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)         03-Apr-14 (No. 217-01915)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15	
The All C Calit Prin Pow Pow Rofi Ref	measurements and the alibrations have been o bration Equipment user many Standards wer meter E4419B wer sensor: E4412A érence 3 dB Attenuato erence 20 dB Attenuat	a uncertainties with confidence producted in the closed laboratorial (M&TE critical for calibration)	Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15	
The All c Calit Prim Pow Rof Ref	measurements and the alibrations have been o bration Equipment user nary Standards wer meter E44198 wer sensor E4412A erence 3 dB Attenuato	a uncertainties with confidence producted in the closed laboration (M&TE critical for calibration) ID GE41293874 NY41498087 C SN: S5064 (30) or SN: S5064 (30) or SN: S5129 (30b)	Cal Date (Certificate No.)         03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)         03-Apr-14 (No. 217-01915)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15	
The All c Calit Prim Pow Rof Ref	measurements and the alibrations have been of bration Equipment user many Standards wer mater E4419B ver sensor E4412A erence 3 dB Attenuato erence 3 dB Attenuato erence 30 dB Attenuato erence 9 robs ER30V6	a uncertainties with confidence producted in the closed laboration (M&TE critical for calibration) ID GE41293874 NY41498087 C SN: S5064 (30) or SN: S5064 (30) or SN: S5129 (30b)	Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01912)           03-Apr-14 (No. 217-01912)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15	
The All c Calit Prin Pow Pow Rof Ref Raf	measurements and the alibrations have been of bration Equipment user many Standards wer meter E44198 wer sensor E4412A erence 3 dB Attenuato erence 20 dB Attenuat erence 20 dB Attenuat erence 9 Probe ERSOV6 E4	a uncertainties with confidence p conducted in the closed laborator (M&TE critical for calibration) ID GE4 1293874 MY41498087 r SN: 55054 (3c) or SN: 55277 (20x) or SN: 55129 (30b) a SN: 55129 (30b) a SN: 2328	Cal Date (Certificate No.)           Q3-Apr-14 (No. 217-01911)           Q3-Apr-14 (No. 217-01911)           Q3-Apr-14 (No. 217-01915)           Q3-Apr-14 (No. 217-01915)           Q3-Apr-14 (No. 217-01919)           Q3-Apr-14 (No. 217-01910)           Q3-Apr-14 (No. 217-01910)           Q3-Apr-14 (No. 217-01910)	I are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 4/30/2015	
The All c Calit Prin Pow Pow Rof Ref Ref Raf DAI	measurements and the alibrations have been of bration Equipment user many Standards wer meter E44198 wer sentor: E4412A erence 3 dB Attenuat erence 20 dB Attenuat erence 20 dB Attenuat erence 9 robe ER3DV6 E4 condary Standards	a uncertainties with confidence p conducted in the closed laborator (M&TE critical for calibration) ID GB41293874 MY41498087 C SN: S8054 (3c) or SN: S5277 (20x) or SN: S5729 (30b) 3 SN: 2328 SN: 789 ID	Cal Date (Certificate No.)           Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01919)           03-Apr-14 (No. 217-01920)           08-Oct-14 (No. 283-2328_Oct14)           30-Apr-14 (No. DAE4-788_Apr14)           Check Date (In house)	J are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Aug-15 4/30/2015 Scheduled Check	
The All c Calit Prin Pow Pow Roft Ref Ref Raft DAI Sec RF	measurements and the alibrations have been of bration Equipment user many Standards wer meter E44198 wer sensor E4412A erence 3 dB Attenuato erence 20 dB Attenuat erence 20 dB Attenuat erence 9 Probe ERSOV6 E4	a uncertainties with confidence p conducted in the closed laborator (M&TE critical for calibration) ID GB41293874 MY41498087 c SN: S8054 (3c) or SN: S5277 (20x) or SN: S5129 (30b) S SN: 2328 SN: 789 ID US3842U0170D	Cal Date (Certificate No.)           Q3-Apr-14 (No. 217-01911)           Q3-Apr-14 (No. 217-01911)           Q3-Apr-14 (No. 217-01915)           Q3-Apr-14 (No. 217-01915)           Q3-Apr-14 (No. 217-01919)           Q3-Apr-14 (No. 217-01910)           Q3-Apr-14 (No. 217-01910)           Q3-Apr-14 (No. 217-01910)	I are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 4/30/2015	
The All c Calit Prin Pow Pow Roft Ref Ref Raft DAI Sec RF	measurements and the alibrations have been of bration Equipment user many Standards wer meter E4419B wer sensor: E4412A érence 3 dB Attenuato érence 20 dB Attenuat érence 20 dB Attenuat érence 9 robe ER30V6 E4 condary Standards generator HP 8648C	a uncertainties with confidence producted in the closed laborator (M&TE critical for calibration) ID GB41293874 MY41498087 r SN: 55054 (3c) or SN: 55129 (30b) or SN: 55129 (30b) s SN: 789 ID US3642U01700 3E US37390585	Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01919)           03-Apr-14 (No. 217-01920)           04-14 (No. 217-01920)           05-04-16 (No. DAE-4788_Apr14)           04-Aug-99 (in house)           4-Aug-99 (in house check Apr-13)           18-Oct-01 (in house check Oct-14)	I are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 4/30/2015 Scheduled Check In house check: Oct-15	
The All c Calit Prin Pow Pow Rof Ref Ref Raff Raff Raff Raff Raff	measurements and the alibrations have been of bration Equipment user many Standards wer meter E4419B wer sensor: E4412A érence 3 dB Attenuato érence 20 dB Attenuat érence 20 dB Attenuat érence 9 robe ER30V6 E4 condary Standards generator HP 8648C	a uncertainties with confidence p conducted in the closed laborator (M&TE critical for calibration) ID GB41293874 MY41498087 C SN: S8054 (3c) or SN: S5277 (20x) or SN: S5727 (20x) or SN: S5129 (30b) S SN: 2328 SN: 789 ID US3842U0170D	Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01919)           03-Apr-14 (No. 217-01920)           08-Oct-14 (No. ER3-2328_Oct14)           30-Apr-14 (No. DAE4-788_Apr14)           Check Date (In house)           4-Aug-99 (in house check Apr-13)	are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Aug-15 4/30/2015 Scheduled Check In house check: Apr-16	
The All c Calit Prim Pow Pow Rof Ref Raf DAI Sec RF Not	measurements and the alibrations have been of bration Equipment uses many Standards wer meter E44198 wer sensor E44198 wer sensor E44198 erence 30 dB Attenuation erence 30 dB Attenuation erence 30 dB Attenuation erence 20 dB Attenuation erence 30	a uncertainties with confidence p conducted in the closed laborator (M&TE critical for calibration) ID GB41283874 MY41498087 r SN: S8054 (3c) or SN: S8054 (3c) or SN: S5129 (30b) s SN: 2328 SN: 2328 SN: 2328 ID US3642U01700 3E US37390585 Name	Cal Date (Certificate No.)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01911)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01915)           03-Apr-14 (No. 217-01919)           03-Apr-14 (No. 217-01919)           03-Apr-14 (No. 217-01920)           08-Oct-14 (No. 217-01920)           130-Apr-14 (No. 217-01920)           08-Oct-14 (No. 217-01920)           08-Oct-10 (In house check Apr-13)           18-Oct-01 (In house check Oct-14)           Function	I are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 Jan-15 4/30/2015 Scheduled Check In house check: Oct-15	
The All c Calit Prim Pow Rof Ref Ref Raf DAI Sec Ref Not	measurements and the alibrations have been of bration Equipment user many Standards wer mater E4419B wer sensor E4412A erence 3 dB Attenuato erence 30 dB Attenuato brated by: work Analyzer HP 875	a uncertainties with confidence p conducted in the closed laborator a (M&TE critical for calibration) ID GB41293874 MY41498087 c SN: S5064 (30) or SN: S5277 (20x) or SN: S5129 (30b) s SN: 2328 SN: 789 ID US3642U01700 3E US3790685 Name Leif Klysner Katja Pokovic	Cal Date (Cartificate No.) Cal Date (Cartificate No.) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01919) 03-Apr-14 (No. 217-01919) 03-Apr-14 (No. 217-01920) 08-Oct-14 (No. 217-01920) 08-Oct-14 (No. 247-01920) 08-Oct-14 (No. 247-01920) 08-Oct-14 (No. 247-01920) 08-Oct-14 (No. 247-01920) 08-Oct-14 (No. 247-01920) 18-Oct-01 (In house) 4-Aug-99 (In house check Apr-13) 18-Oct-01 (In house check Apr-13) 18-Oct-01 (In house check Oct-14) Function Laboratory Technician Technical Manager	d are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Aug-15 4/30/2015 Scheduled Check In house check: Oct-15 Signature Seff Tuger Local Upp	
The All c Calit Prim Pow Rof Ref Ref Raf DAI Sec Ref Not	measurements and the alibrations have been of bration Equipment user many Standards wer mater E4419B wer sensor E4412A erence 3 dB Attenuato erence 30 dB Attenuato brated by: work Analyzer HP 875	a uncertainties with confidence p conducted in the closed laborator a (M&TE critical for calibration) ID GB41293874 MY41498087 c SN: S5064 (30) or SN: S5277 (20x) or SN: S5129 (30b) s SN: 2328 SN: 789 ID US3642U01700 3E US3790685 Name Leif Klysner Katja Pokovic	Cal Date (Certificate No.) Cal Date (Certificate No.) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01911) 03-Apr-14 (No. 217-01919) 03-Apr-14 (No. 217-01919) 03-Apr-14 (No. 217-01919) 03-Apr-14 (No. 217-01920) 08-Oct-14 (No. 283-2328_Oct14) 30-Apr-14 (No. 283-2328_Oct14) Apr-14 (No. 283-238_Oct14) Apr-14 (No. 283	d are part of the certificate. and humidity < 70%, Scheduled Calibration Jan-15 Jan-15 Jan-15 Jan-15 Aug-15 4/30/2015 Scheduled Check In house check: Oct-15 Signature Seff Tuger Local Upp	

aoud Attayi	- FPD U/	17 2015	RTS-6063-1503-09	L6ARHC160LW
	1 00. 02	-17, 2015	K13-0003-1503-04	LOAKHCTOOLW
Sch	bration Labo mid & Partne ngineering AC ausstrasse 43, 80	itacat	S Schweizerischer Kalib Sorvico suisso d'étalo S Servizio svizzero di ta Swiss Calibration Servi	nage ratura
The S	wiss Accreditation	Accreditation Service (SAS) n Service is one of the signatories to the EA for the recognition of calibration certificates	Accreditation No.: SCS	0108
NOR DCP CF A, B,	<b>ssary:</b> Mx,y,z C, D rization φ	sensitivity in free space diode compression point crest factor (1/duty_cycle) of the R modulation dependent linearization φ rotation around probe axis		
	rization 9 nector Angle	i.e., 9 = 0 is normal to probe axis	the plane normal to probe axis (at measurement to align probe sensor X to the robot coordinate sy	
a ž Met	a) IEEE Std 13 antennas, fm b) CTIA Test P hods Applie NORMx,y,z:	om 9 kHz to 40 GHz <sup>*</sup> , December 2005 lan for Hearing Aid Compatibility, April d and Interpretation of Parame Assessed for E-field polarization 9 = (	on of electromagnetic field sensors and probes, e: 2010.	
		> 1800 MHz: R22 waveguide). z = NORMx.y.z * frequency response	(see Frequency Response Chart)	
	DCPx,y.z: D		eters assessed based on the data of power sweep	with CW
		s the Peak to Average Ratio that is not	calibrated but determined based on the signal	
	the data of p	ower sweep for specific modulation si	are numerical linearization parameters assessed to gnal. The parameters do not depend on frequency assed in RMS voltage across the diode.	based on y nor
	Spherical is waveguide s		a locally homogeneous field realized using an ope	en
		et: The sensor offset corresponds to the kis). No tolerance required.	ne offset of virtual measurement center from the p	robe tip
	Connector A uncertainty		information gained by determining the NORMx (r	no

Page 2 of 10

SlackB	erry		d Compatibility RF Emissions rry® Smartphone model RHC1		Page 7(14)
Author Data	Dates of Test		Report No	FCC ID	
Daoud Attayi	Feb. 02-	17, 2015	RTS-6063-1503-09	L6A	RHC160LW

January 19, 2015

# Probe ER3DV6

## SN:2286

Manufactured: Calibrated: September 18, 2002 January 19, 2015

Calibrated for DASY/EASY Systems (Note: non-compatible with DASY2 system!)

Certificate No: ER3-2286\_Jan15

Page 3 of 10

SlackB	erry		Aid Compatibility RF Emissions 1 Berry® Smartphone model RHC16		Page 8(14)
Author Data	Dates of Test		Report No	FCC ID	
Daoud Attayi	Feb. 02-	17, 2015	RTS-6063-1503-09	L6A	RHC160LW

January 19, 2015

#### DASY/EASY - Parameters of Probe: ER3DV6 - SN:2286

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)$	2.23	1.47	1.51	± 10.1 %
DCP (mV) <sup>B</sup>	98.9	100.3	99.7	

#### **Modulation Calibration Parameters**

UID	Communication System Name		A	B dBõV	C	D dB	VR mV	Unc <sup>L</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0.00	182.8	±3.8 %
		Y	0.0	0.0	1.0		197.2	
		Z	0.0	0.0	1.0	-	175.9	

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%.

<sup>6</sup> Numerical linearization parameter: uncertainty not required.
<sup>6</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

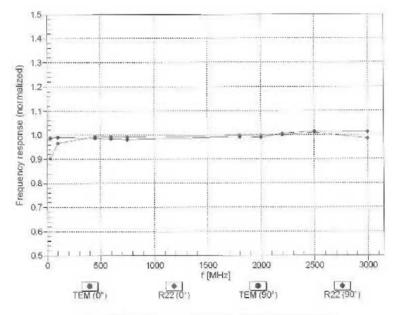
Certificate No: ER3-2286 Jan15

Page 4 of 10

SlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)			Page 9(14)
Author Data Daoud Attayi	Dates of Test Feb. 02-	17, 2015	Report No RTS-6063-1503-09	FCC ID L6A	RHC160LW

January 19, 2015

#### Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

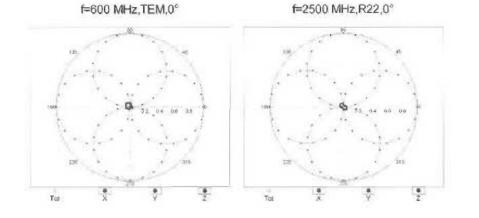
Certificate No: ER3-2286\_Jan15

Page 5 of 10

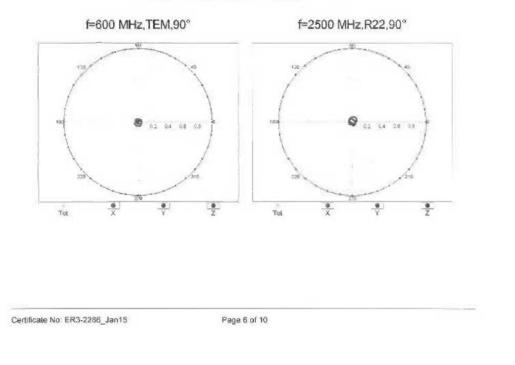
SlackBerry		(STR100-2)			Page 10(14)
Author Data	Dates of Test		Report No	FCC ID	
Daoud Attayi Feb. 02-		·17, 2015	RTS-6063-1503-09 L6AF		RHC160LW

January 19, 2015

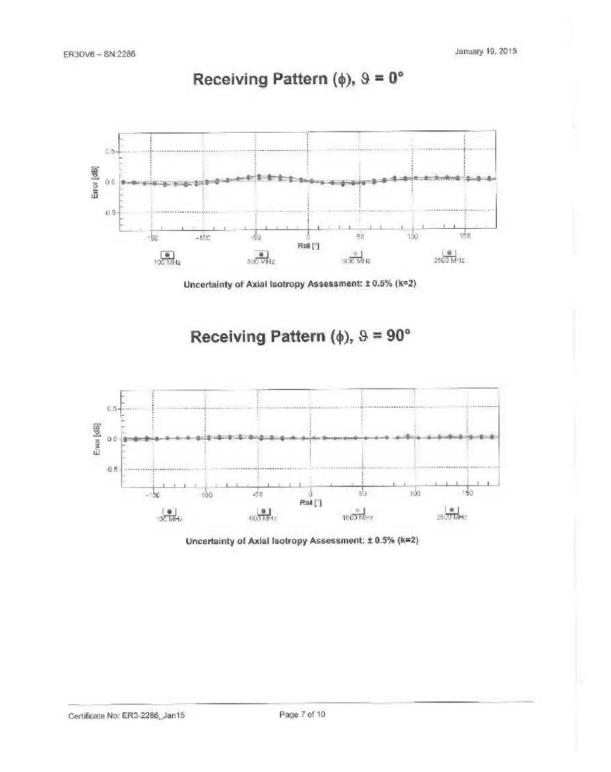
### Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$



Receiving Pattern (\$), & = 90°



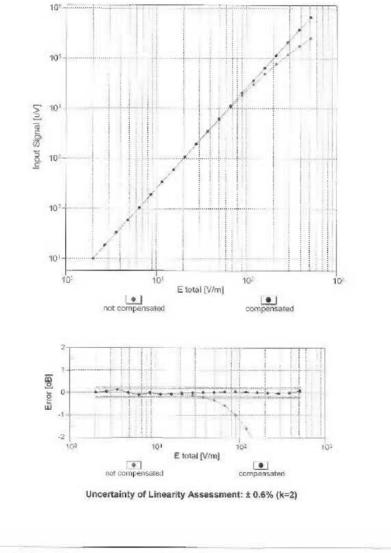
SlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)			Page 11(14)
Author Data Dates of Test Feb. 02-		-17, 2015	Report No RTS-6063-1503-09	FCC ID	RHC160LW



*** BlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)			Page 12(14)
Author Data Daoud Attayi	Dates of Test Feb. 02-	17, 2015	Report No RTS-6063-1503-09	FCC ID L6A	RHC160LW

January 19, 2015

#### Dynamic Range f(E-field) (TEM cell, f = 900 MHz)

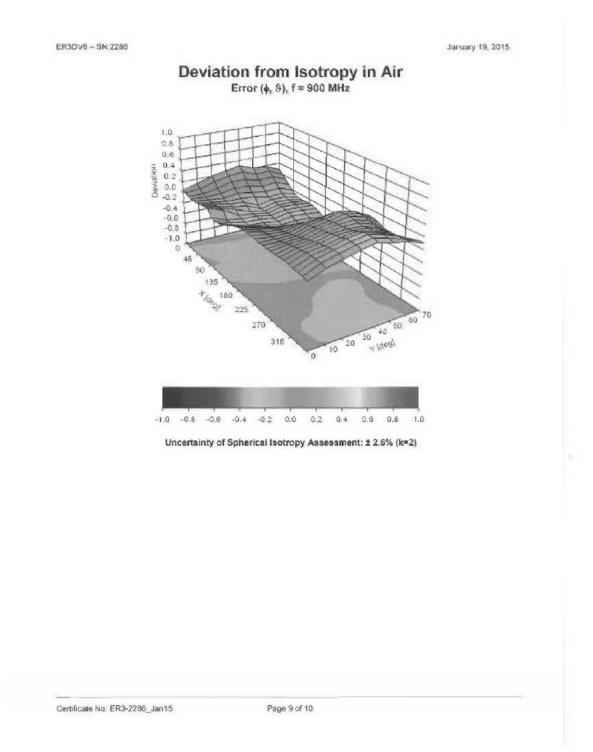


Certificate No: ER3-2286\_Jan15

Page 8 of 10

This report shall <u>NOT</u> be reproduced except in full without the written consent of BlackBerry RTS Copyright 2005-2015, BlackBerry RTS, a division of BlackBerry Limited

SlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)			Page <b>13(14)</b>
Author Data	Dates of Test		Report No	FCC ID	
Daoud Attayi Feb. 02-17, 2015		17, 2015	RTS-6063-1503-09	L6A	RHC160LW



SlackBerry		Annex B to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model RHC161LW (STR100-2)			Page 14(14)
Author Data Dates of Test			Report No	FCC ID	
Daoud Attayi	Feb. 02	·17, 2015	RTS-6063-1503-09	L6A	RHC160LW

January 19, 2015

### DASY/EASY - Parameters of Probe: ER3DV6 - SN:2286

#### Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle (°)	-6.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	8 mm
Probe Tip to Sensor X Calibration Point	2.5 mm
Probe Tip to Sensor Y Calibration Point	2.5 mm
Probe Tip to Sensor Z Calibration Point	2.5 mm

Certificate No: ER3-2286 Jan15

Page 10 of 10

This report shall <u>NOT</u> be reproduced except in full without the written consent of BlackBerry RTS Copyright 2005-2015, BlackBerry RTS, a division of BlackBerry Limited