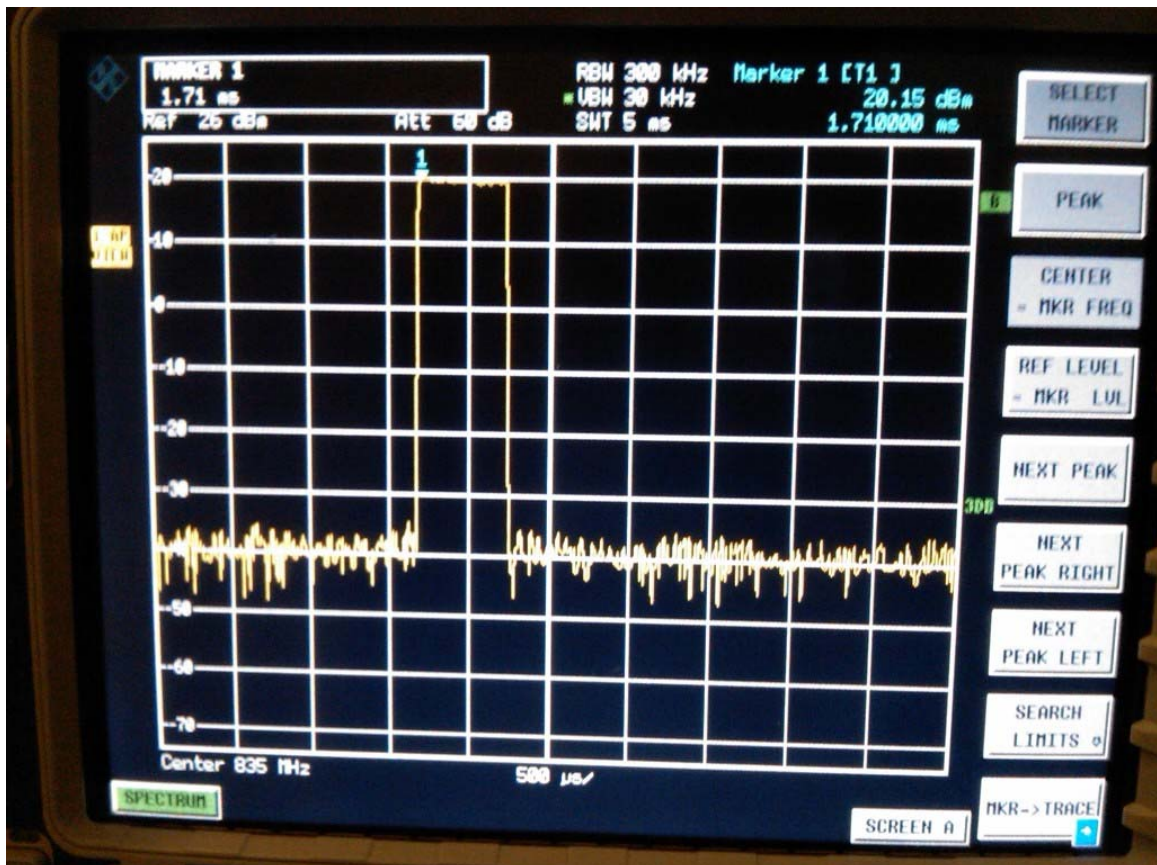


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 1 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Annex A: Measurement data and plots

A.1 Spectrum analyser plots: GSM/UMTS, CW, 80%AM, signals

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 2 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



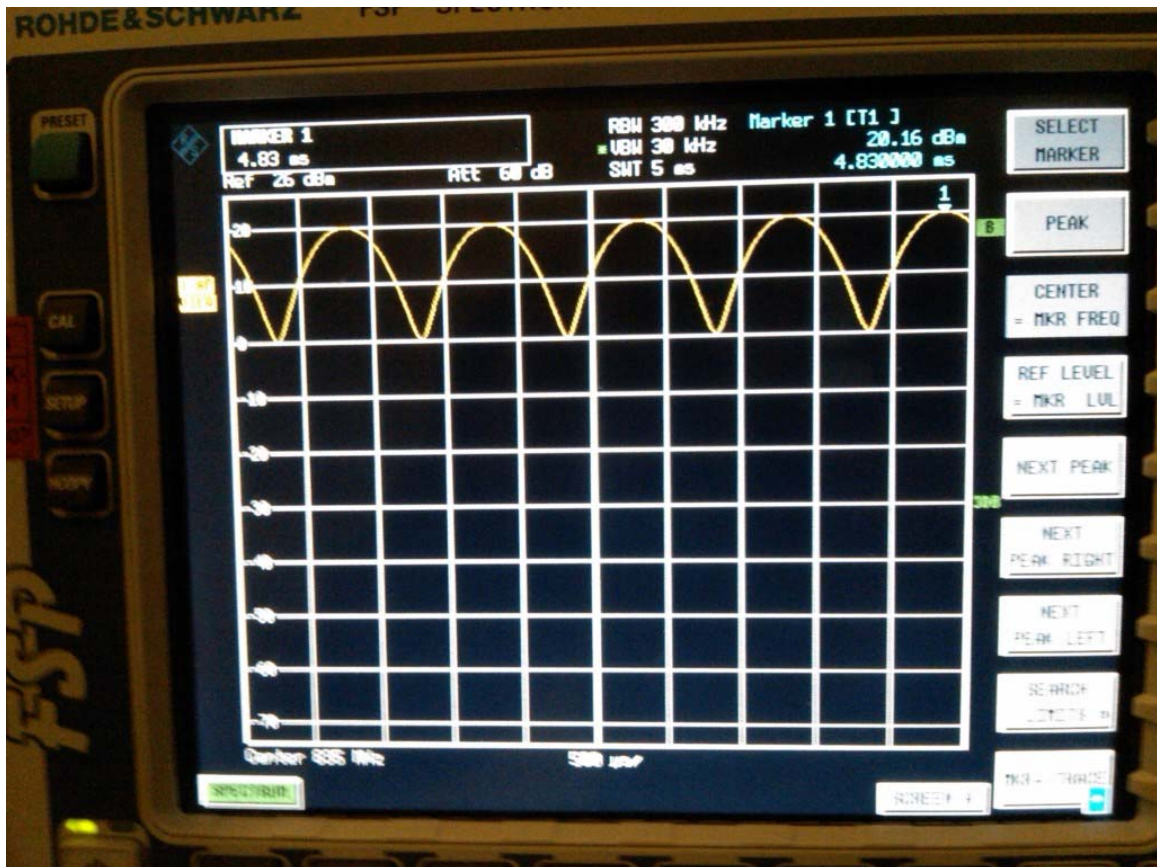
GSM 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 3 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



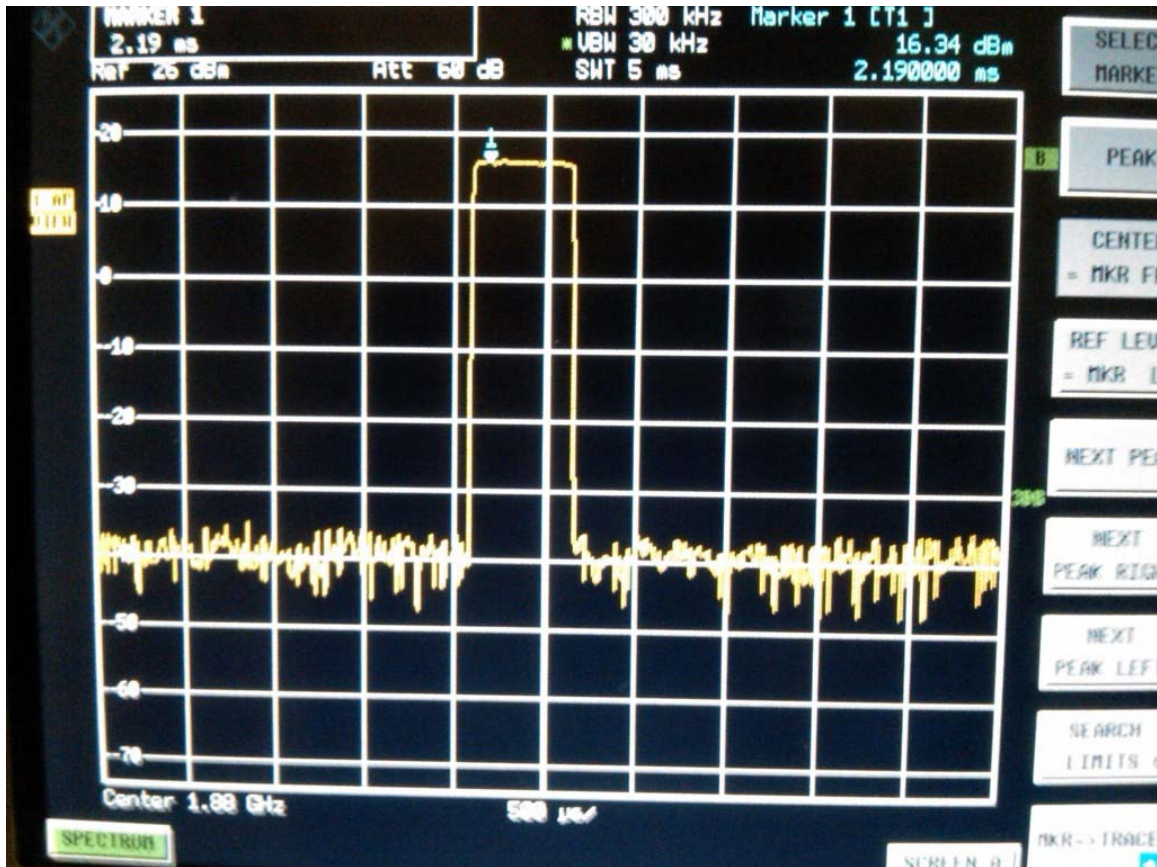
CW 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 4 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



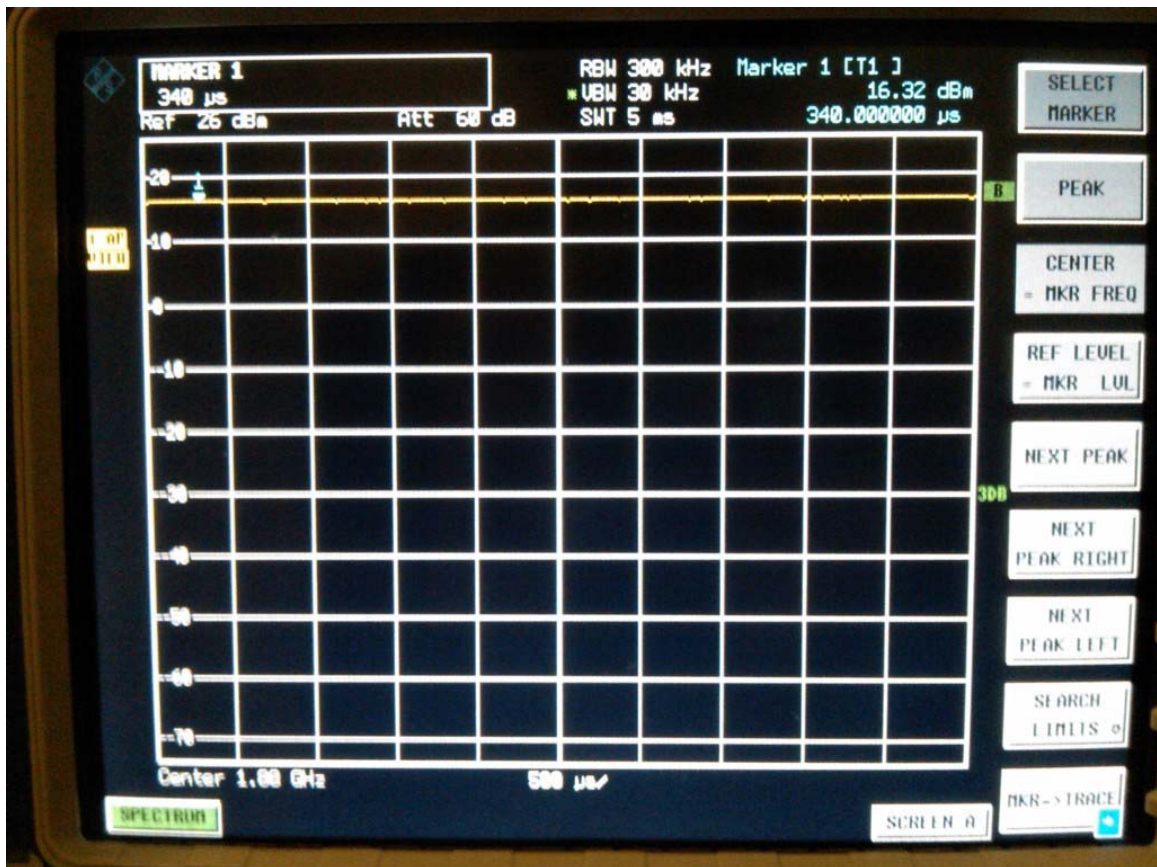
AM 80% 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 5 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



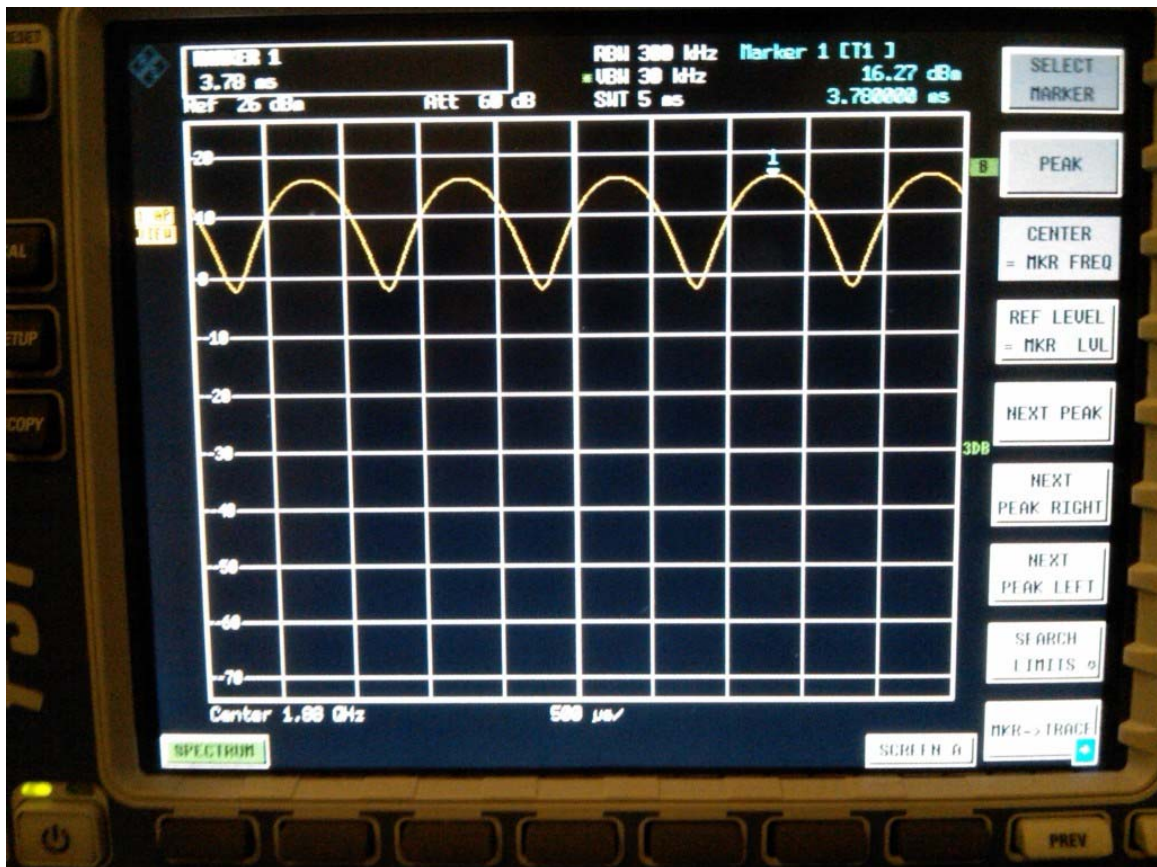
GSM 1880 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 6 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW




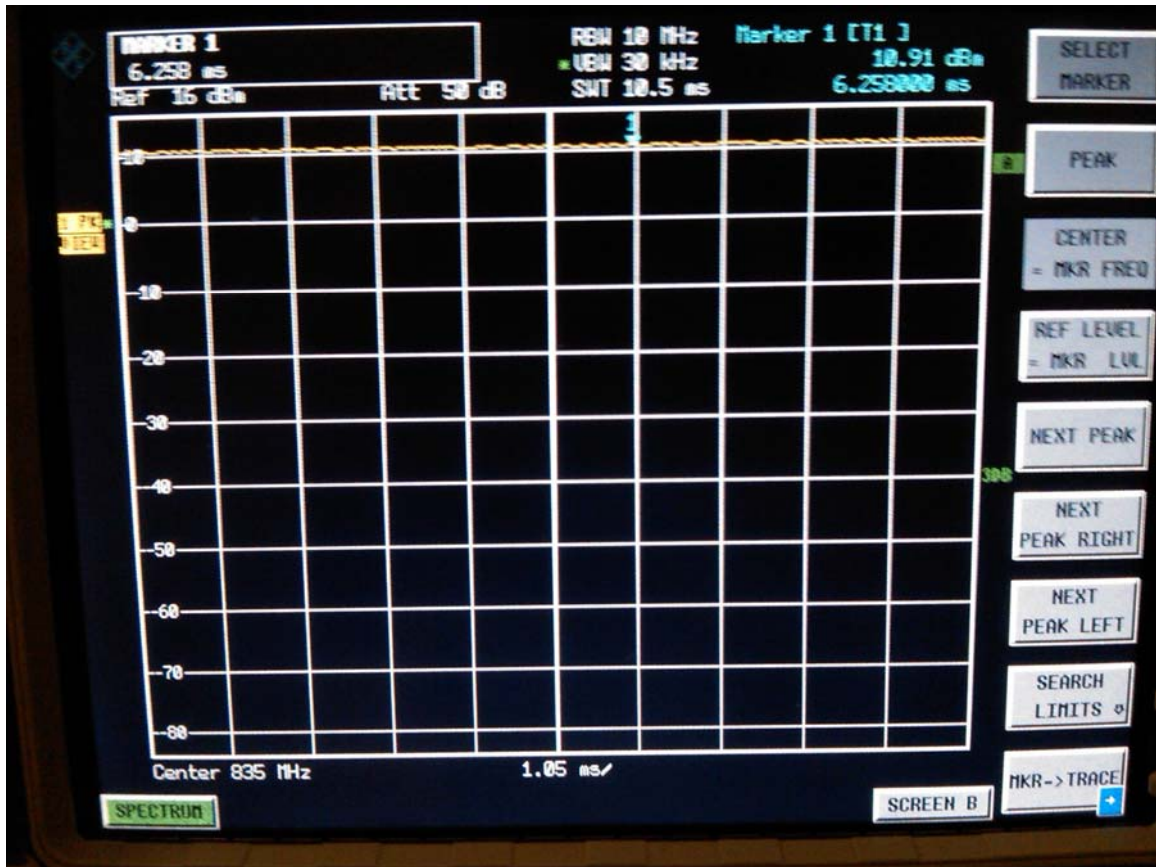
CW 1880 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 7 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



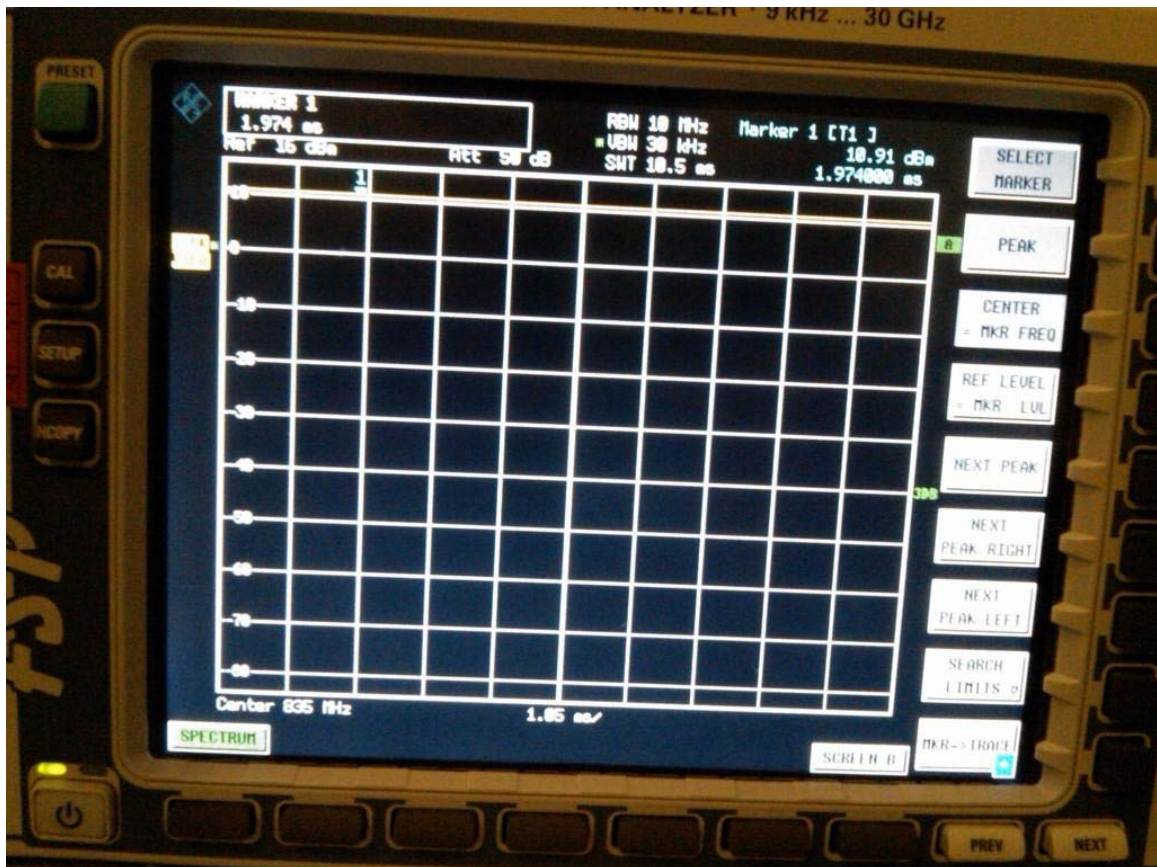
AM 80 % 1880 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 8 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



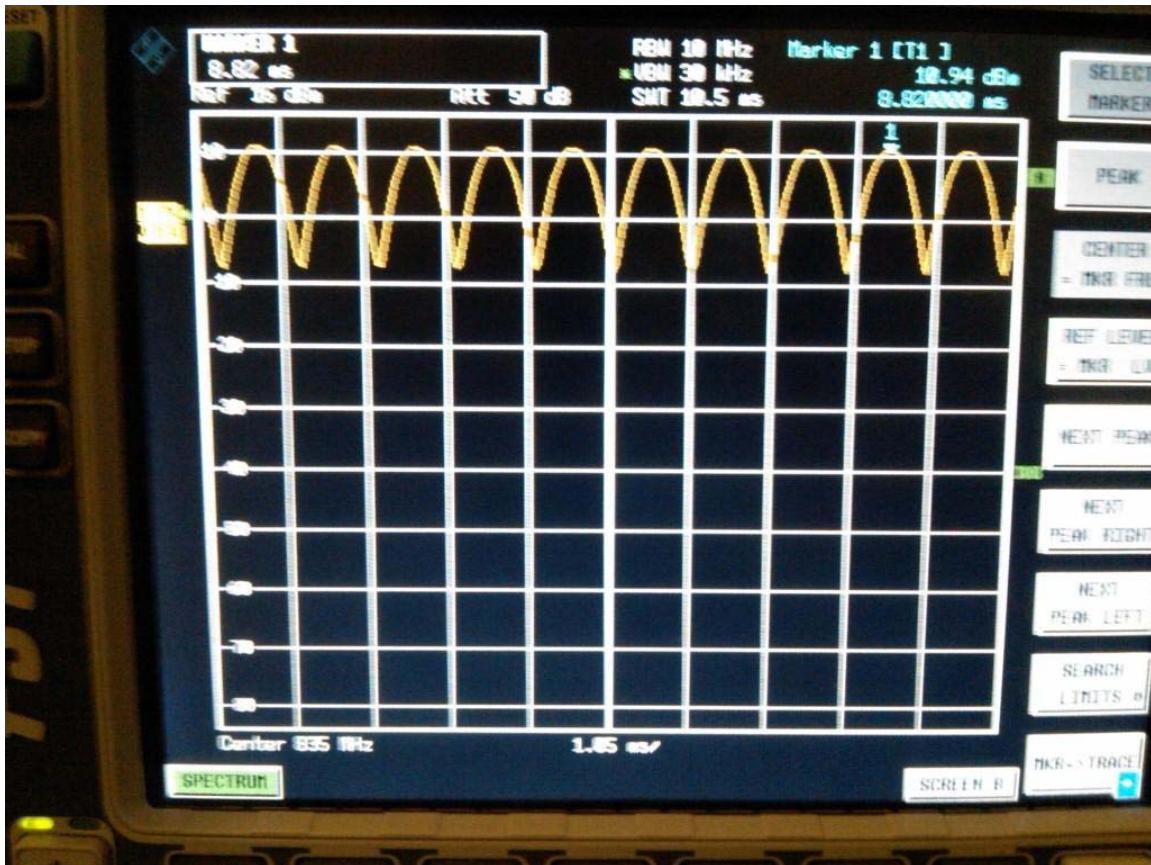
UMTS 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 9 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



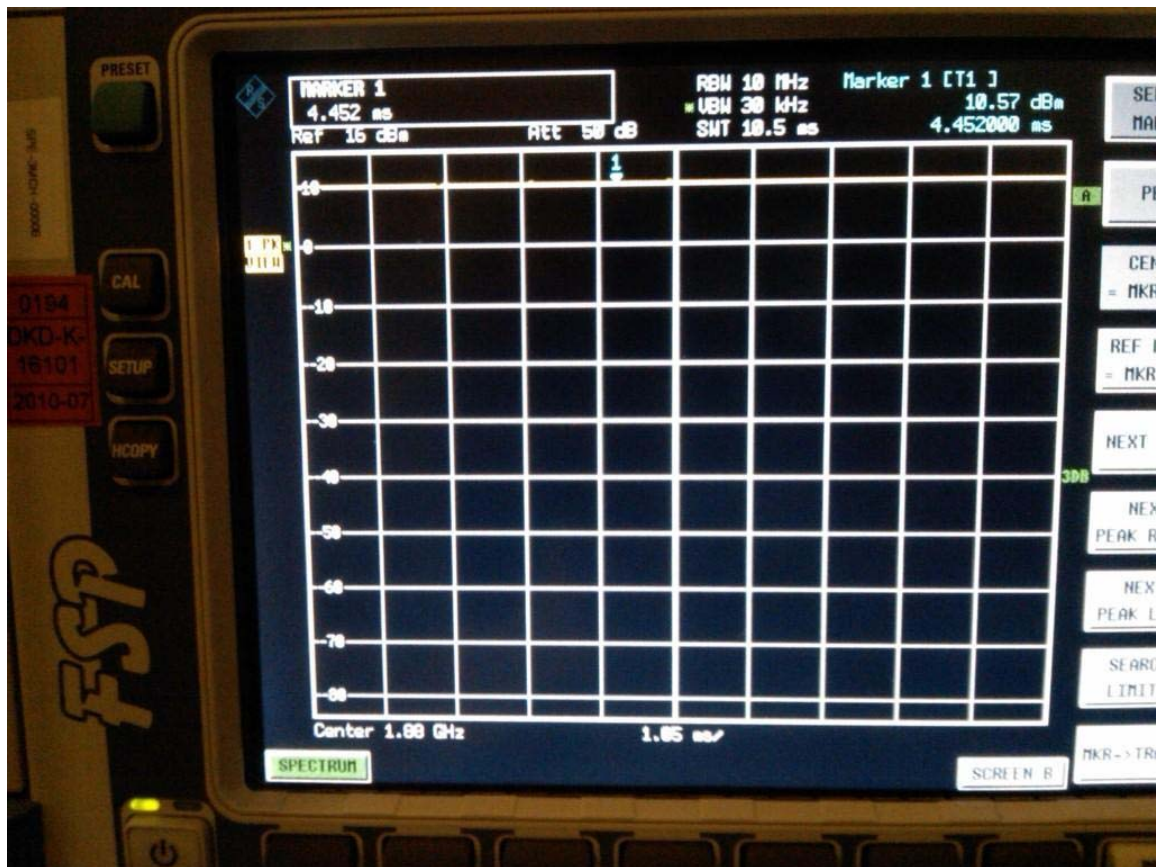
CW 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 10 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



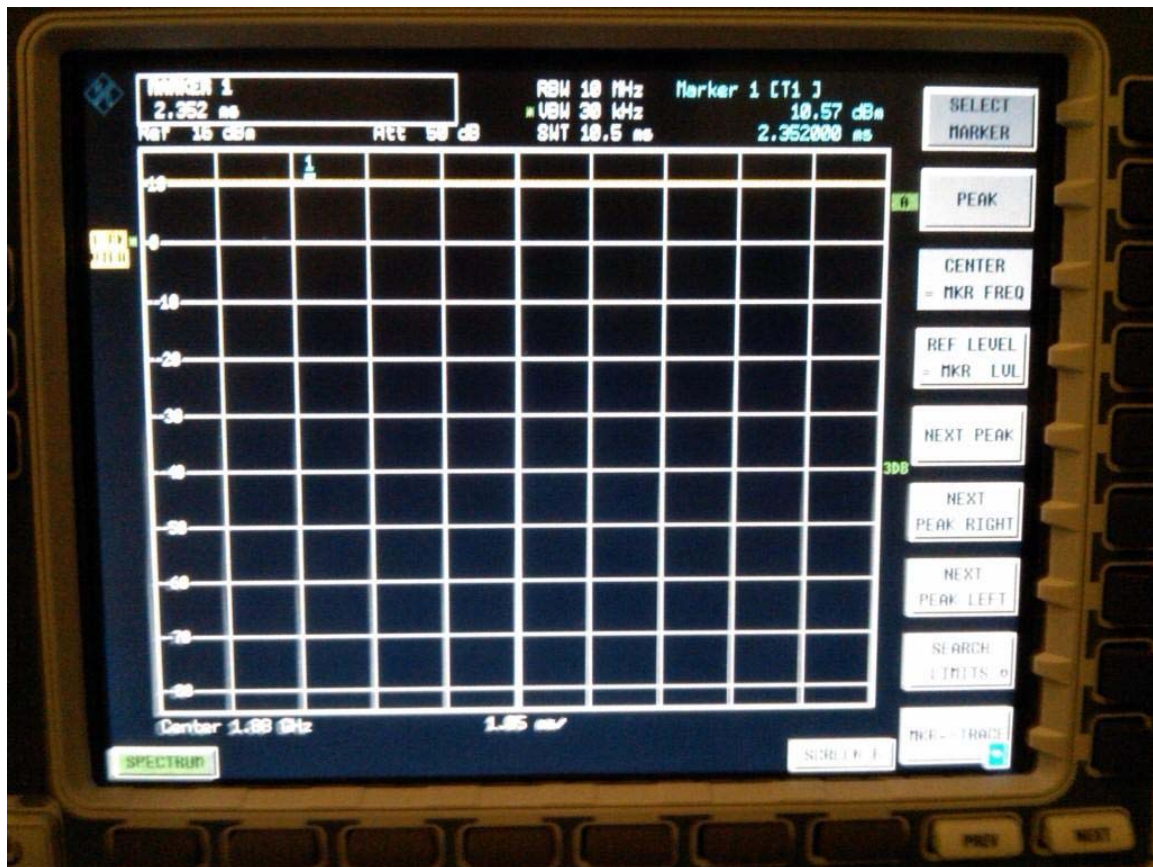
AM 80% 835 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 11 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



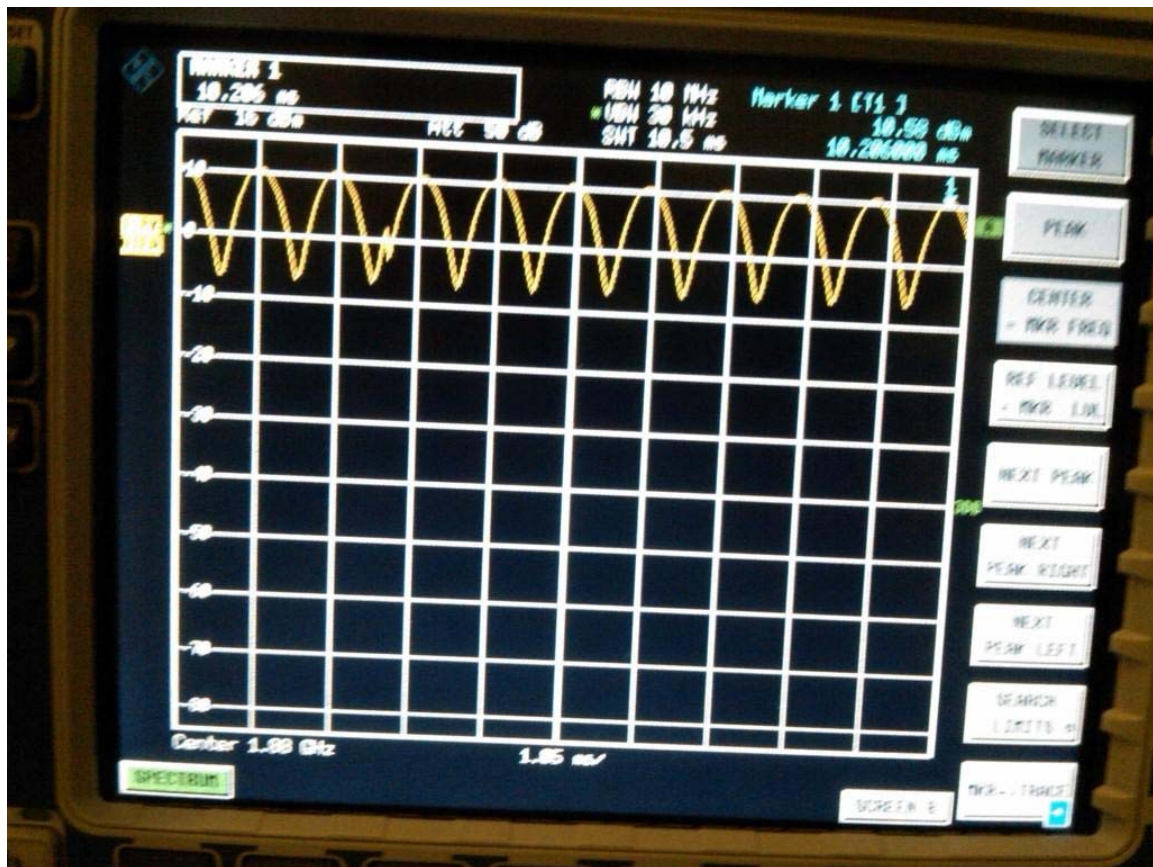
UMTS 1880 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 12 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW




CW 1880 MHz


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 13 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



AM 80 % 1880 MHz

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 14 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

A.2 Dipole validation and probe modulation factor plots

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 15 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 1:45:30 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_validation_835 MHz_10_20_11

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 163.0 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 120.4 V/m; Power Drift = 0.07 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m		
Grid 1	Grid 2	Grid 3
155.1 M4	163.0 M4	161.0 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 16 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

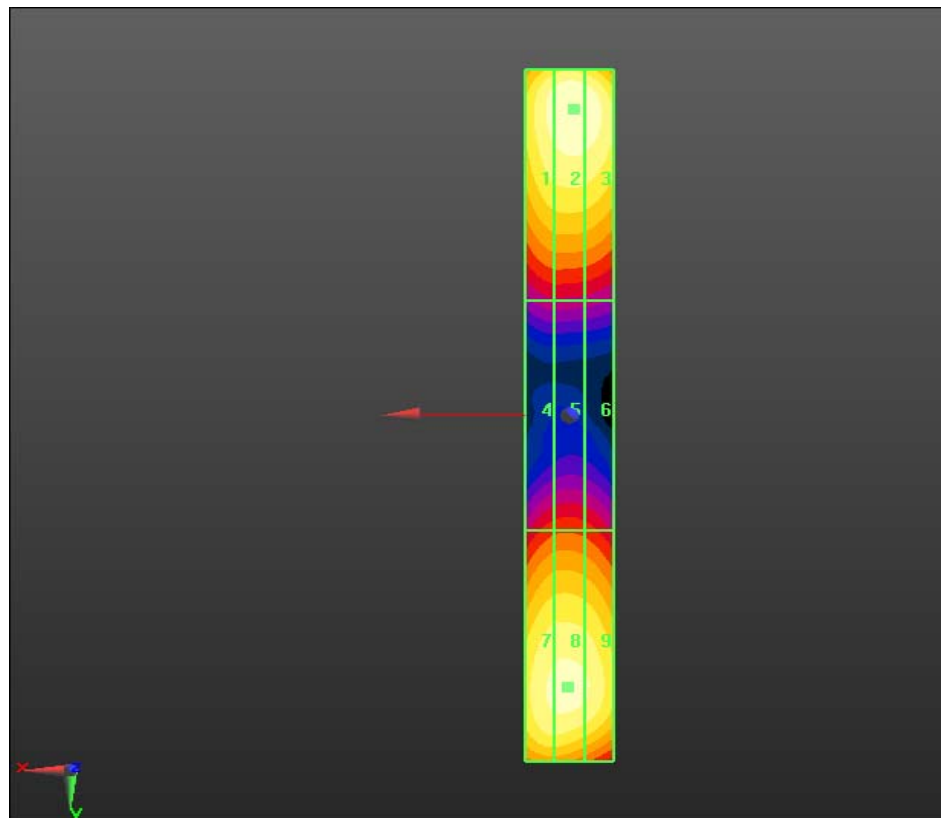
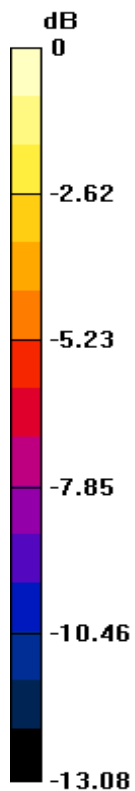
Grid 4 87.180 M4	Grid 5 88.480 M4	Grid 6 86.061 M4
Grid 7 151.3 M4	Grid 8 153.4 M4	Grid 9 149.6 M4

Cursor:


Total = 163.0 V/m

E Category: M4

Location: -1, -79.5, 4.7 mm



0 dB = 163.0V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 17 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/22/2011 2:40:53 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_GSM_835 MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: GSM 850;; Frequency: 835 MHz;Communication System PAR: 9.191 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 54.142 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.642 V/m; Power Drift = -0.06 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 18 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m


Grid 1 51.408 M4	Grid 2 54.142 M4	Grid 3 52.509 M4
Grid 4 27.621 M4	Grid 5 27.841 M4	Grid 6 27.144 M4
Grid 7 49.045 M4	Grid 8 49.106 M4	Grid 9 47.011 M4

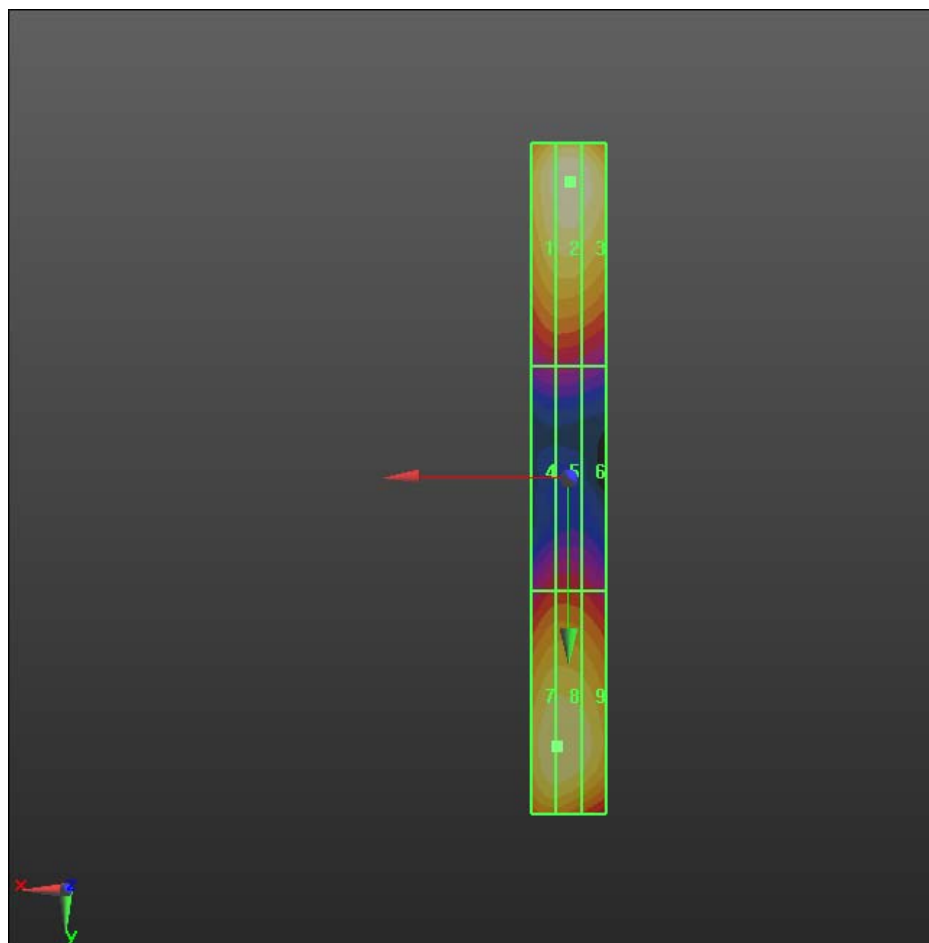
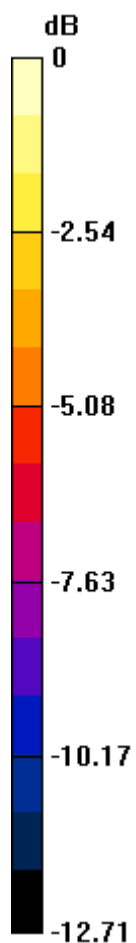
Cursor:

Total = 54.142 V/m


E Category: M4

Location: -0.5, -79.5, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 19 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



0 dB = 54.140V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 20 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/22/2011 3:01:22 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_CW835 MHz_GSM

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 159.3 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 120.6 V/m; Power Drift = -0.10 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 21 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m


Grid 1 153.1 M4	Grid 2 159.3 M4	Grid 3 154.5 M4
Grid 4 8066 M4	Grid 5 86.943 M4	Grid 6 84.863 M4
Grid 7 153.2 M4	Grid 8 154.9 M4	Grid 9 151.1 M4

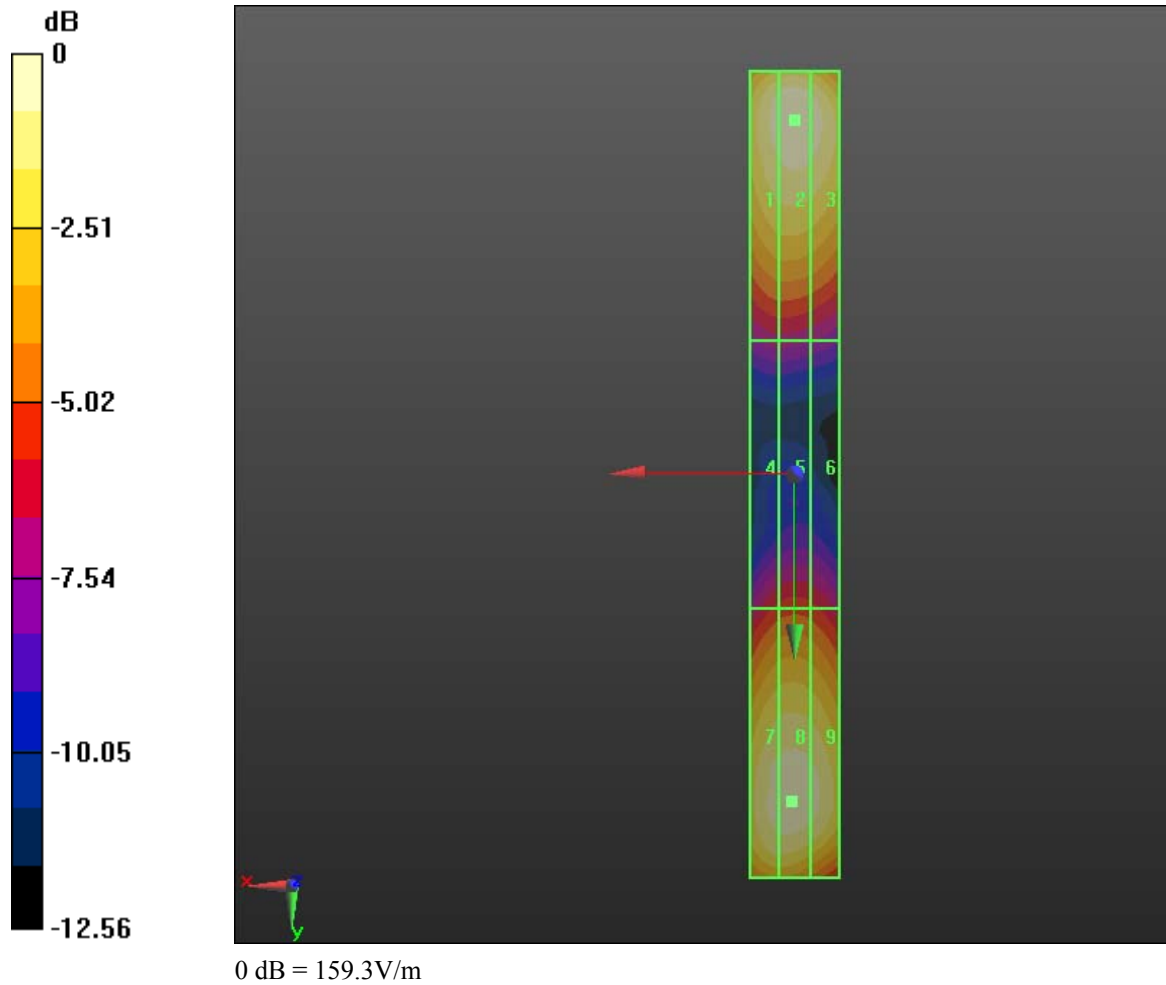
Cursor:


Total = 159.3 V/m

E Category: M4

Location: 0, -79, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 22 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 23 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/22/2011 3:09:37 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_AM80%835 MHz_GSM

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: AM 80%; Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 99.820 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 74.981 V/m; Power Drift = -0.17 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 24 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

Grid 1 96.553 M4	Grid 2 99.820 M4	Grid 3 97.313 M4
Grid 4 54.091 M4	Grid 5 55.431 M4	Grid 6 53.882 M4
Grid 7 95.955 M4	Grid 8 97.176 M4	Grid 9 95.117 M4

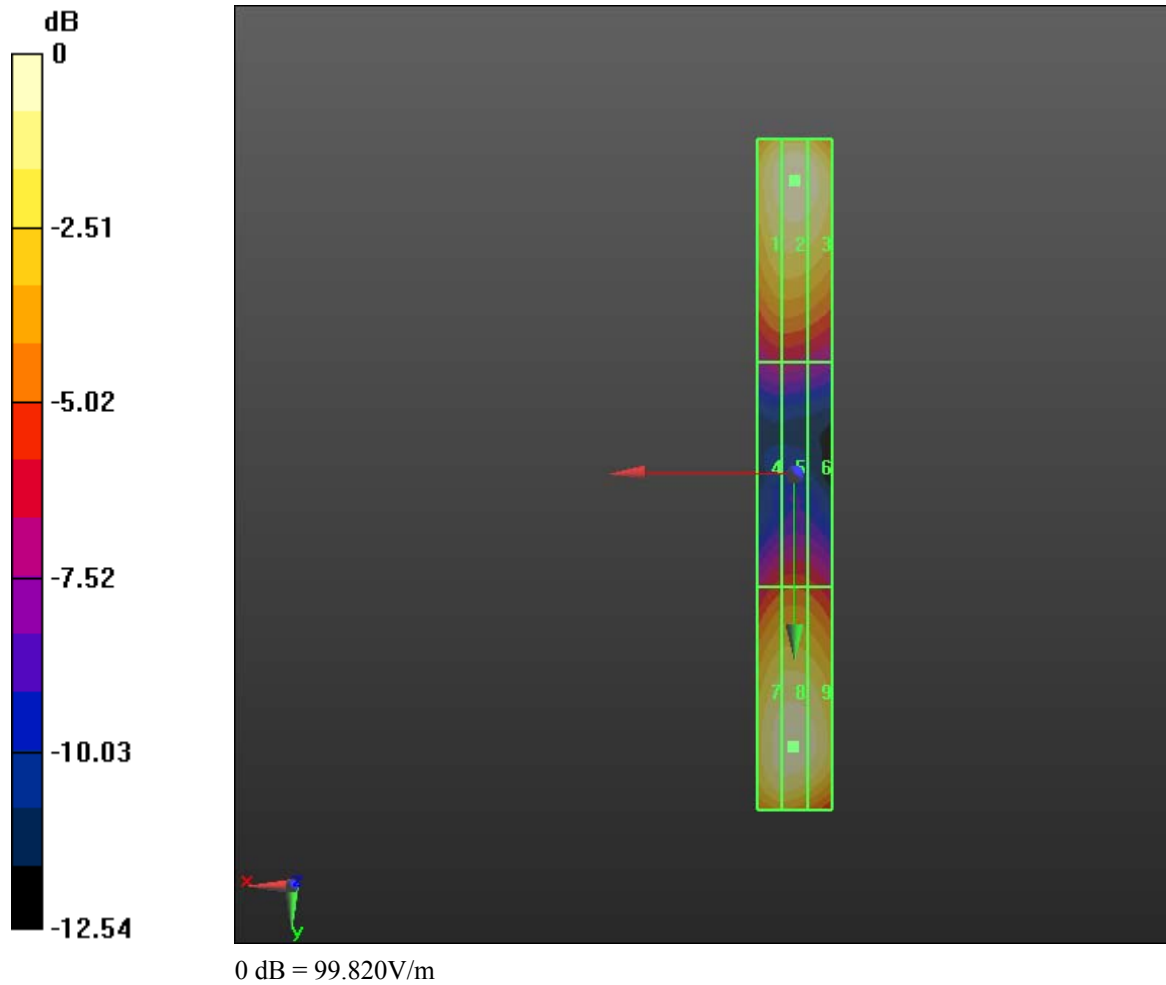
Cursor:


Total = 99.821 V/m

E Category: M4

Location: 0, -79, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 25 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 26 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 1:07:46 PM

Test Laboratory: RIM Testing Services

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: WCDMA FDD V; Communication System Band:; Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 56.944 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.995 V/m; Power Drift = 0.01 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 53.505 M4	Grid 2 56.944 M4	Grid 3 56.718 M4
Grid 4 30.372 M4	Grid 5 31.039 M4	Grid 6 30.245 M4
Grid 7 54.971 M4	Grid 8 56.115 M4	Grid 9 54.501 M4

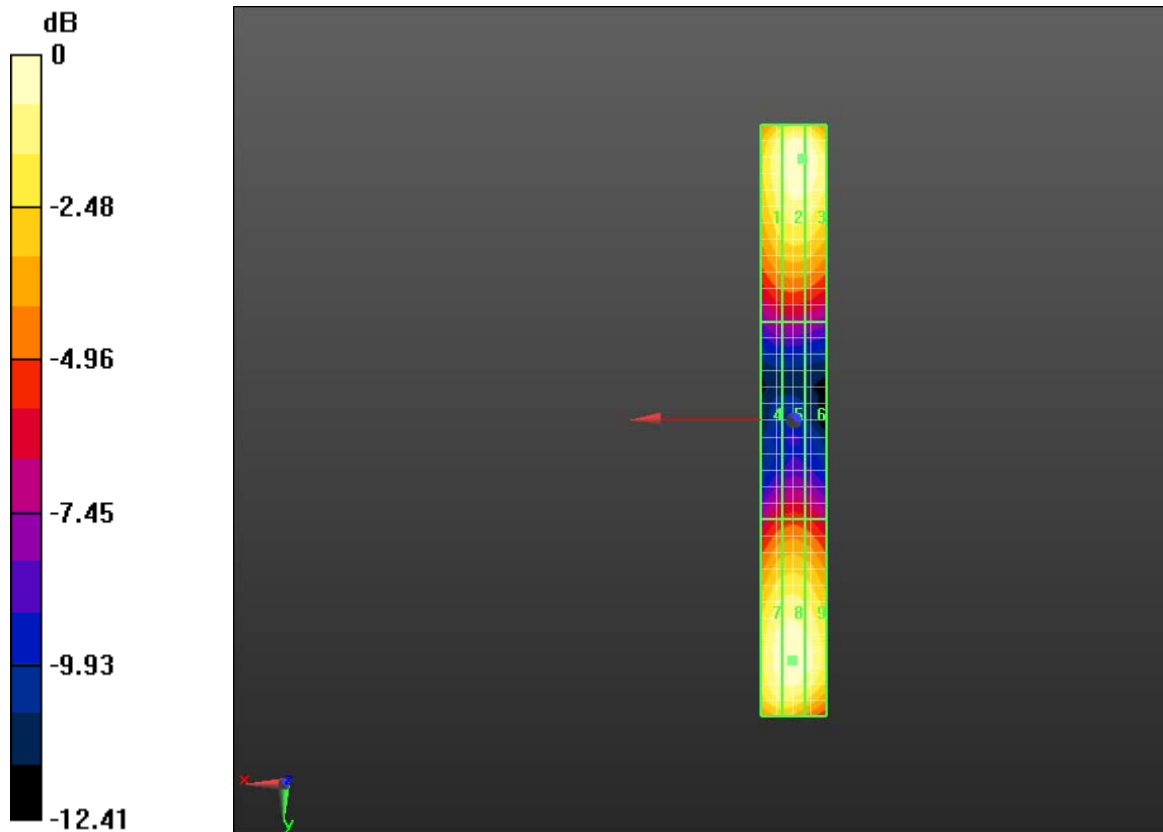
	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 27 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Cursor:


Total = 56.944 V/m

E Category: M4

Location: -2.5, -79.5, 4.7 mm



0 dB = 56.940V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 28 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 12:43:40 PM

Test Laboratory: RIM Testing Services

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 57.608 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 42.622 V/m; Power Drift = -0.06 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 29 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

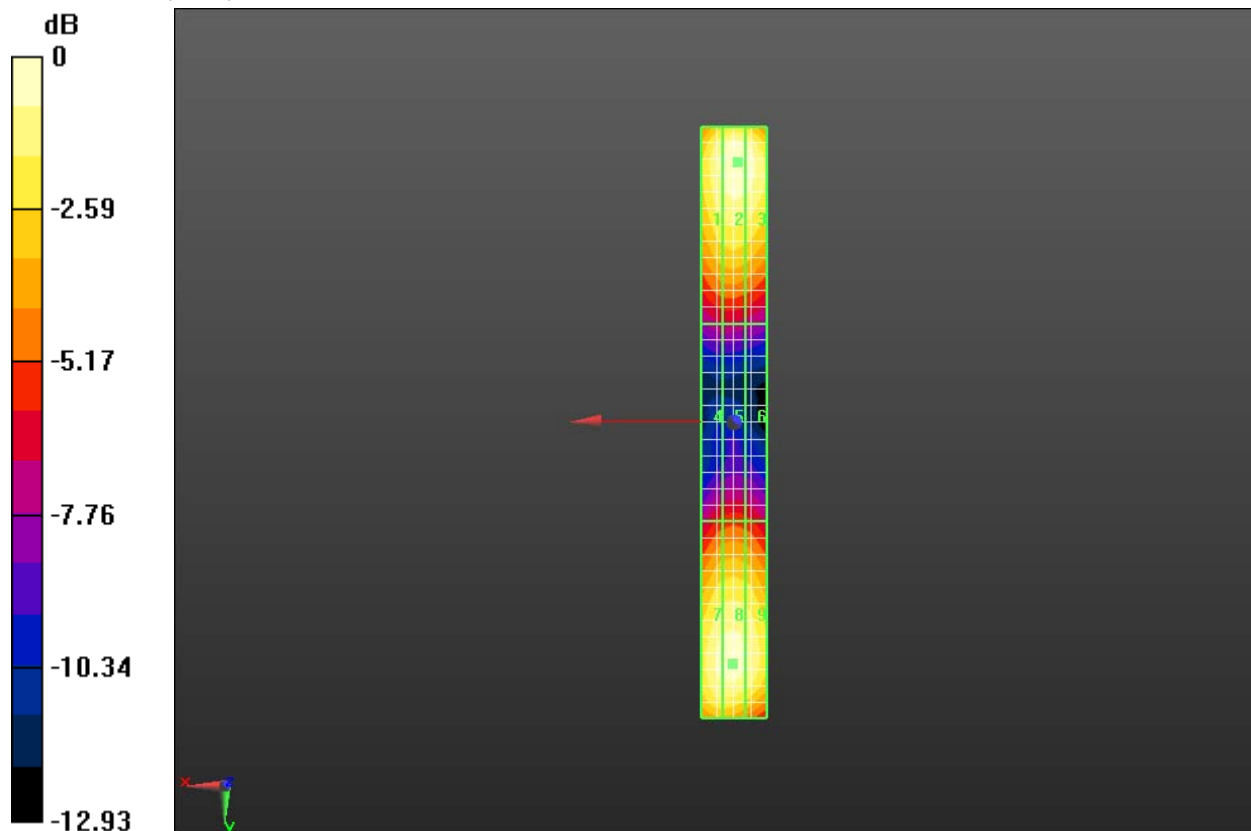
Grid 1 54.388 M4	Grid 2 57.608 M4	Grid 3 56.620 M4
Grid 4 30.355 M4	Grid 5 30.943 M4	Grid 6 30.261 M4
Grid 7 54.334 M4	Grid 8 55.102 M4	Grid 9 5076 M4

Cursor:


Total = 57.608 V/m

E Category: M4

Location: -1, -79, 4.7 mm



0 dB = 57.610V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 30 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 12:54:03 PM

Test Laboratory: RIM Testing Services

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: AM 80%; Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid Compatibility Test

(41x361x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 37.106 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 26.469 V/m; Power Drift = 0.17 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 31 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

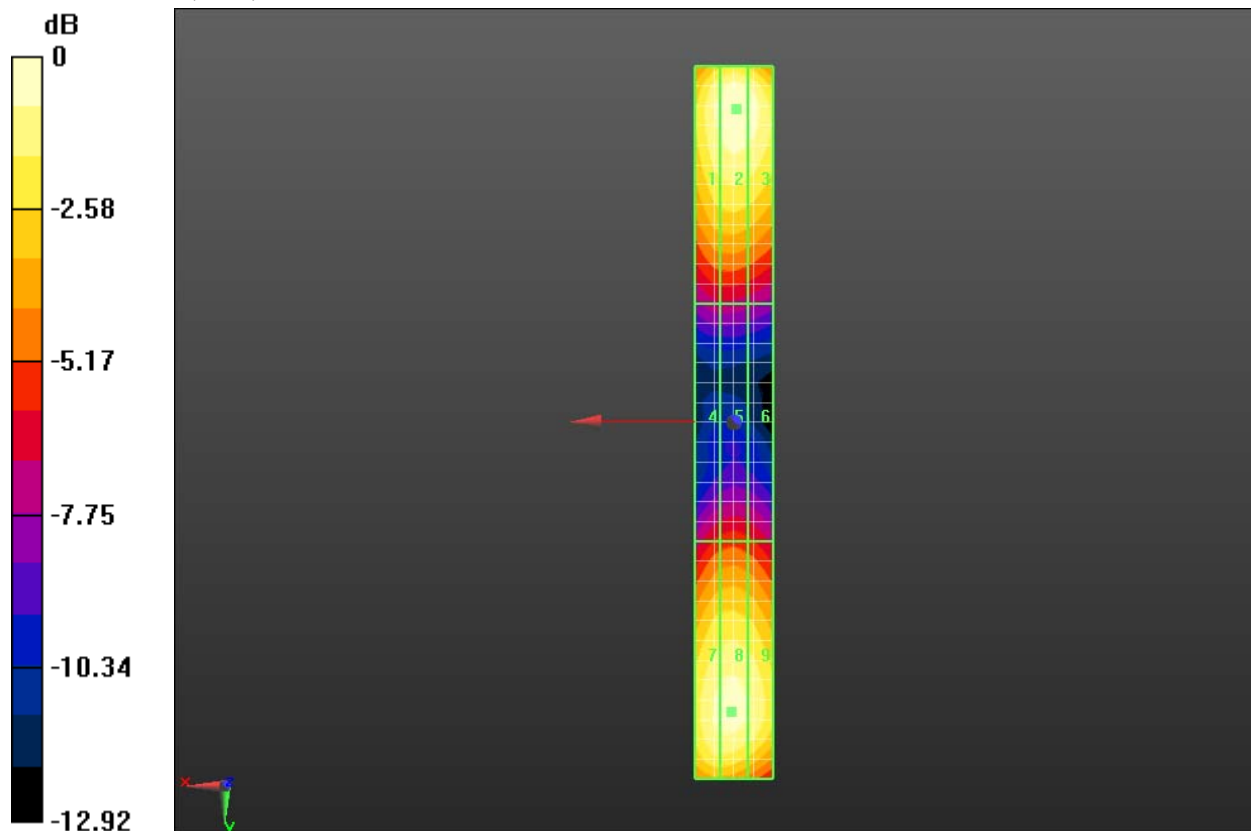
Grid 1 35.158 M4	Grid 2 37.106 M4	Grid 3 36.227 M4
Grid 4 19.445 M4	Grid 5 19.878 M4	Grid 6 19.259 M4
Grid 7 34.812 M4	Grid 8 35.203 M4	Grid 9 34.158 M4

Cursor:

Total = 37.106 V/m

E Category: M4

Location: -0.5, -79, 4.7 mm



0 dB = 37.110V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 32 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 2:00:57 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_validation_1880 MHz_10_20_11

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 132.0 V/m

Probe Modulation Factor = 1.000


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 117.0 V/m; Power Drift = 0.04 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak E-field in V/m

Grid 1	Grid 2	Grid 3
128.5 M2	132.0 M2	126.3 M2

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 33 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

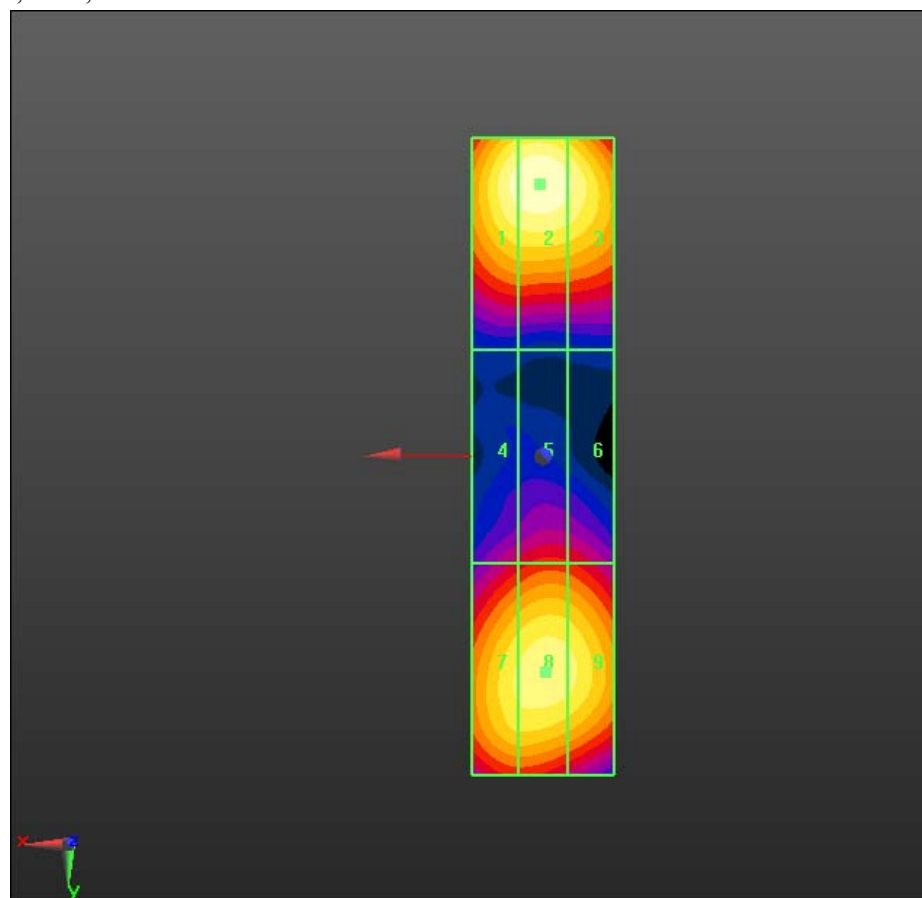
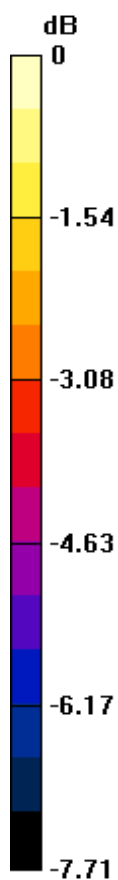
Grid 4 84.173 M3	Grid 5 89.671 M3	Grid 6 88.265 M3
Grid 7 118.6 M2	Grid 8 122.5 M2	Grid 9 120.0 M2

Cursor:


Total = 132.0 V/m

E Category: M2

Location: 0.5, -38.5, 4.7 mm



0 dB = 132.0V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 34 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/22/2011 4:54:49 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_GSM_1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System PAR:
9.191 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 27.663 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.374 V/m; Power Drift = 0.02 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 35 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

Grid 1 27.050 M4	Grid 2 27.663 M4	Grid 3 26.052 M4
Grid 4 17.031 M4	Grid 5 18.013 M4	Grid 6 17.833 M4
Grid 7 2036 M4	Grid 8 25.539 M4	Grid 9 25.116 M4

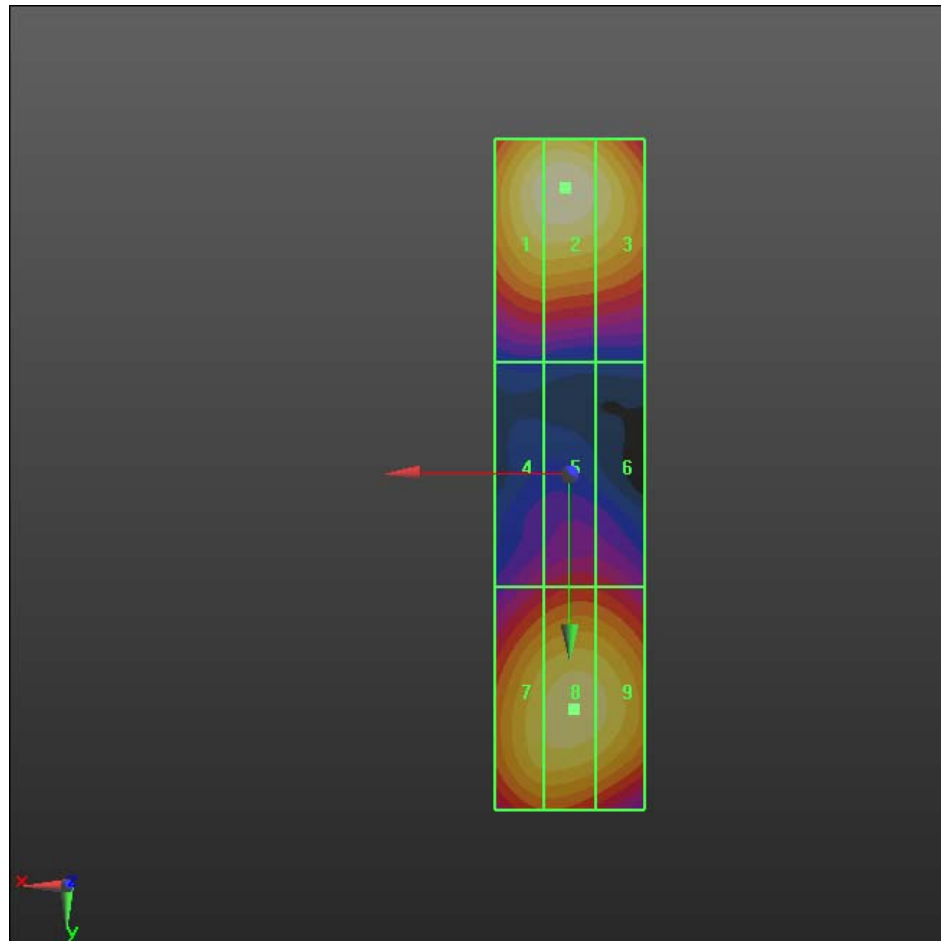
Cursor:

Total = 27.663 V/m


E Category: M4

Location: 0.5, -38.5, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 36 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



0 dB = 27.660V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 37 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 12:08:40 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_CW1880 MHz_GSM

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 82.216 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 78.932 V/m; Power Drift = 0.0039 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 38 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

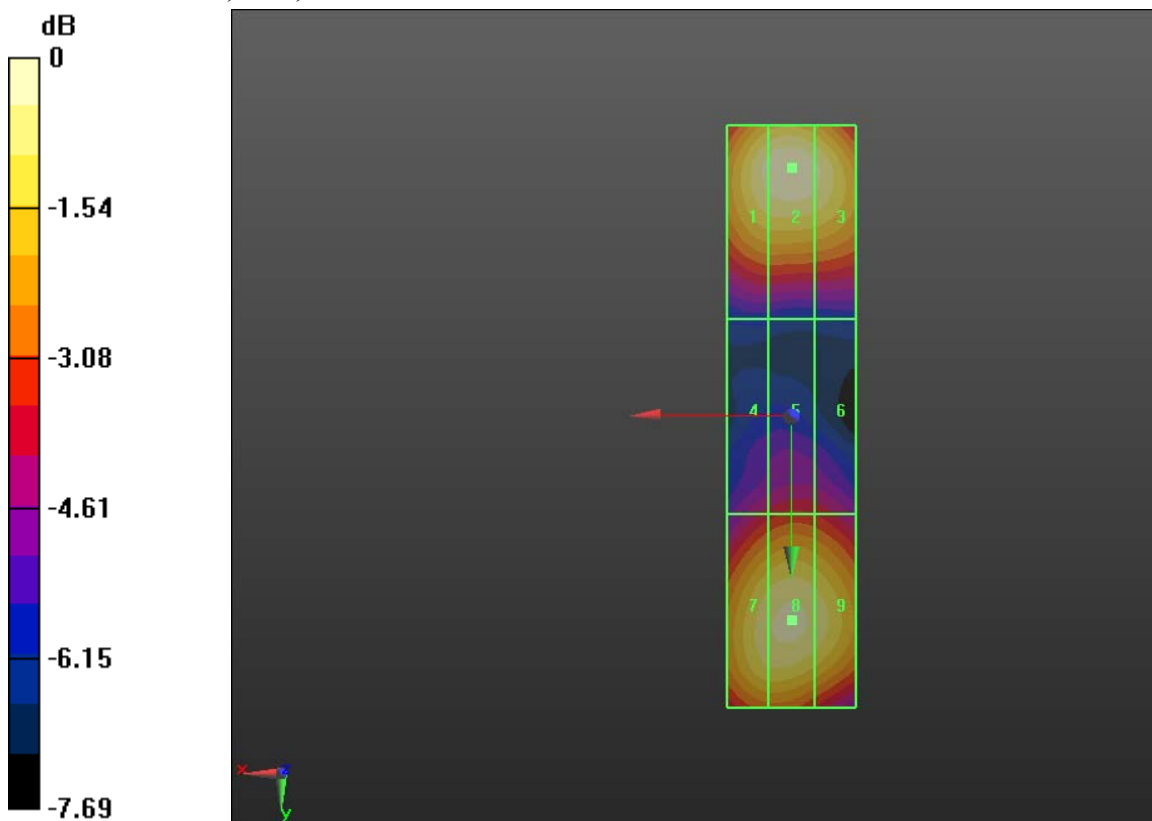
Grid 1 79.692 M3	Grid 2 82.216 M3	Grid 3 79.228 M3
Grid 4 52.849 M4	Grid 5 55.292 M4	Grid 6 54.232 M4
Grid 7 76.960 M3	Grid 8 78.815 M3	Grid 9 76.489 M3

Cursor:


Total = 82.216 V/m

E Category: M3

Location: 0, -38.5, 4.7 mm



0 dB = 82.220V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 39 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/22/2011 4:12:07 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_AM80%1880 MHz_GSM

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: AM 80%; Communication System Band: D1900 (1900.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 53.337 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 49.939 V/m; Power Drift = -0.09 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 40 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

Grid 1 52.377 M4	Grid 2 53.337 M4	Grid 3 50.671 M4
Grid 4 3062 M4	Grid 5 35.058 M4	Grid 6 3043 M4
Grid 7 48.429 M4	Grid 8 49.374 M4	Grid 9 48.243 M4

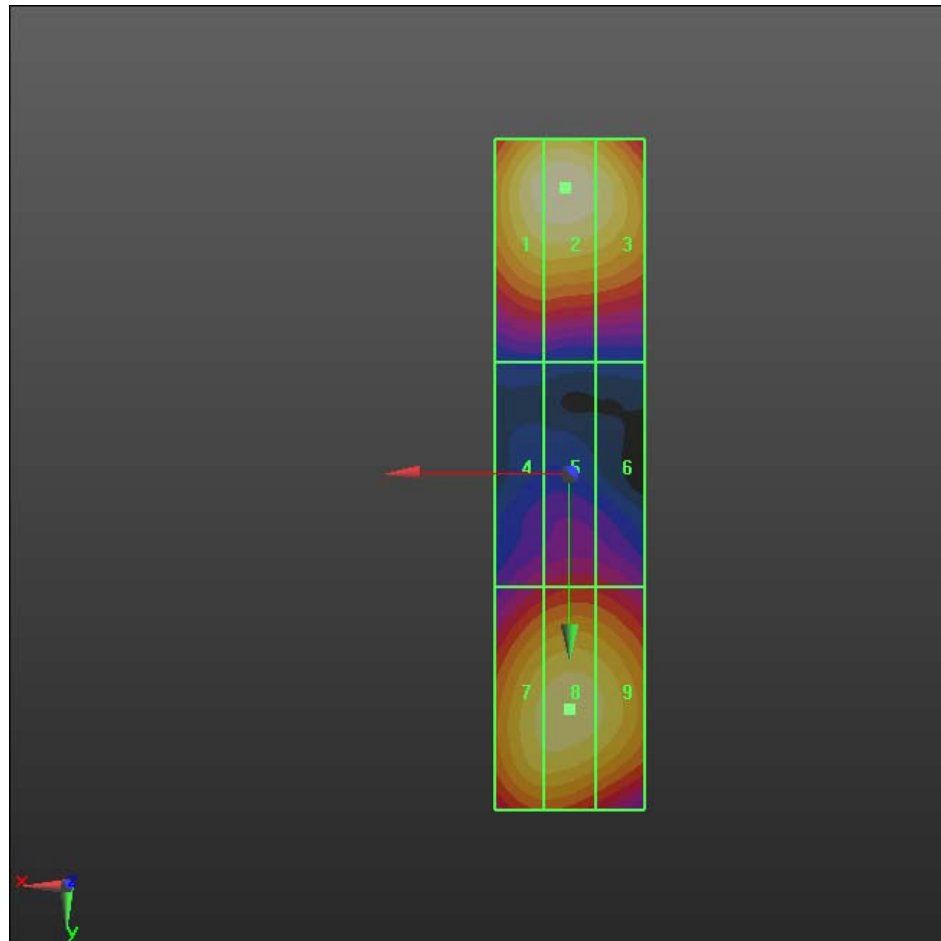
Cursor:

Total = 53.337 V/m


E Category: M4

Location: 0.5, -38.5, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 41 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



0 dB = 53.340V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 42 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:07:15 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_PMF_UMTS_band_II_1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial

Communication System: WCDMA FDD II;.; Frequency: 1880 MHz;Communication System

PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole E-Field measurement/E Scan - measurement distance from the probe
sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test**

(41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 38.483 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 35.028 V/m; Power Drift = 0.10 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 43 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

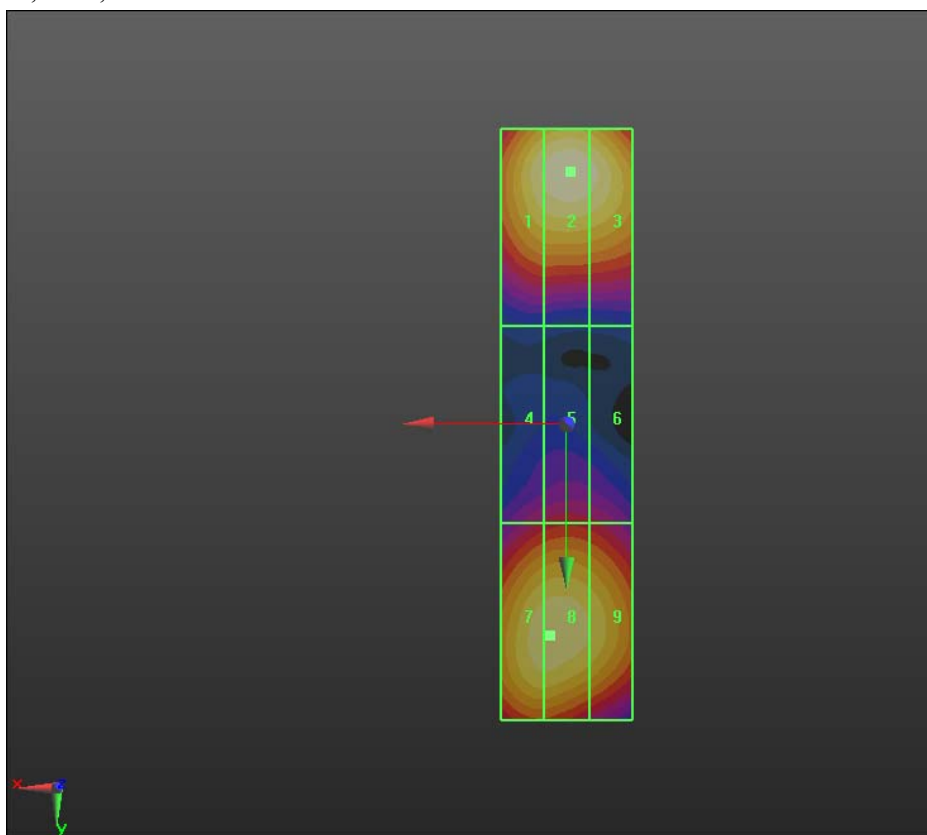
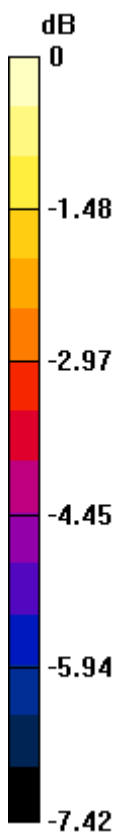
Grid 1 36.706 M4	Grid 2 38.483 M4	Grid 3 37.337 M4
Grid 4 24.878 M4	Grid 5 25.643 M4	Grid 6 25.076 M4
Grid 7 35.871 M4	Grid 8 35.988 M4	Grid 9 34.479 M4

Cursor:


Total = 38.483 V/m

E Category: M4

Location: -0.5, -38.5, 4.7 mm



0 dB = 38.480V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 44 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:16:59 PM

Test Laboratory: RIM Testing Services

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 43.024 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 38.861 V/m; Power Drift = 0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 45 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

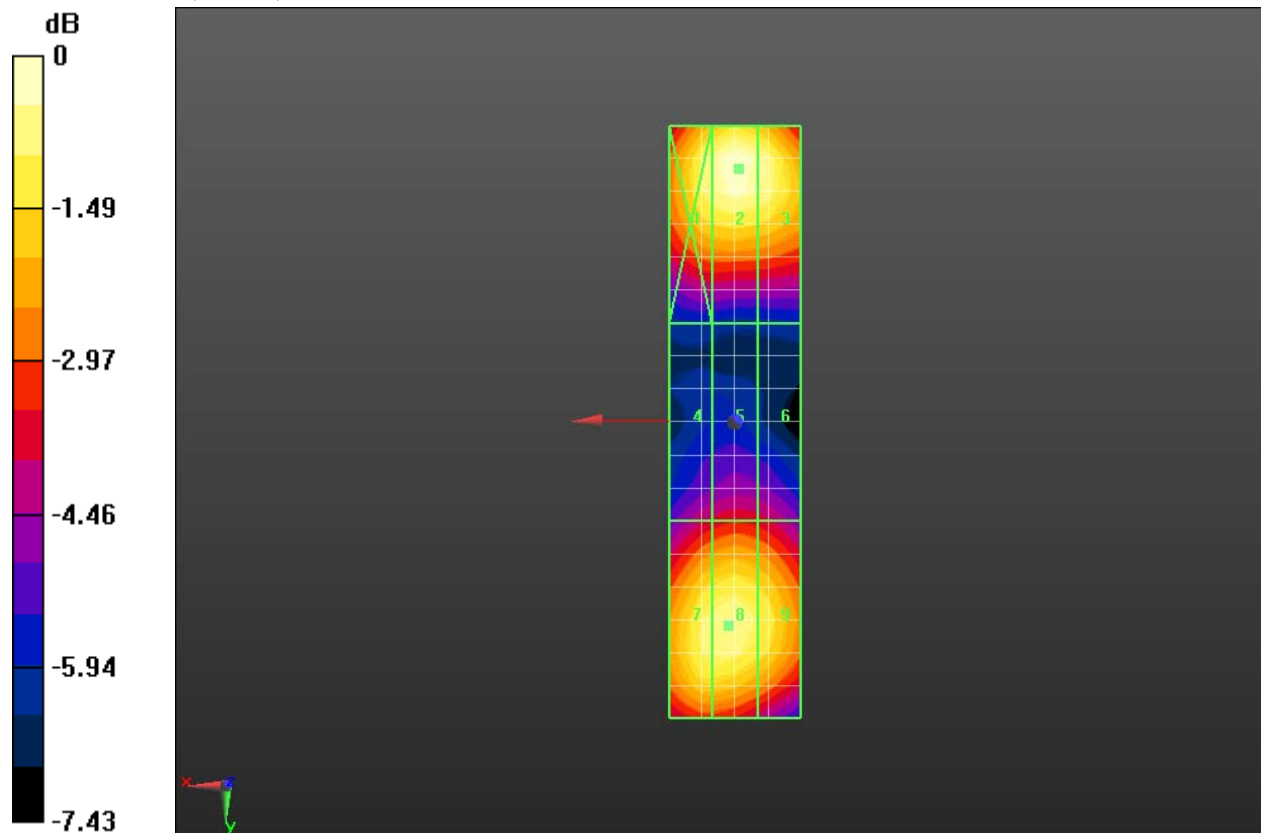
Grid 1 40.897 M4	Grid 2 43.024 M4	Grid 3 41.671 M4
Grid 4 27.919 M4	Grid 5 28.886 M4	Grid 6 28.274 M4
Grid 7 39.759 M4	Grid 8 40.082 M4	Grid 9 38.641 M4

Cursor:


Total = 43.024 V/m

E Category: M4

Location: -0.5, -38.5, 4.7 mm



0 dB = 43.020V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 46 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:21:55 PM

Test Laboratory: RIM Testing Services

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: AM 80%; Communication System Band: D1900 (1900.0 MHz);
Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole E-Field measurement/E Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid Compatibility Test

(41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 27.543 V/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 25.024 V/m; Power Drift = -0.0069 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 47 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak E-field in V/m

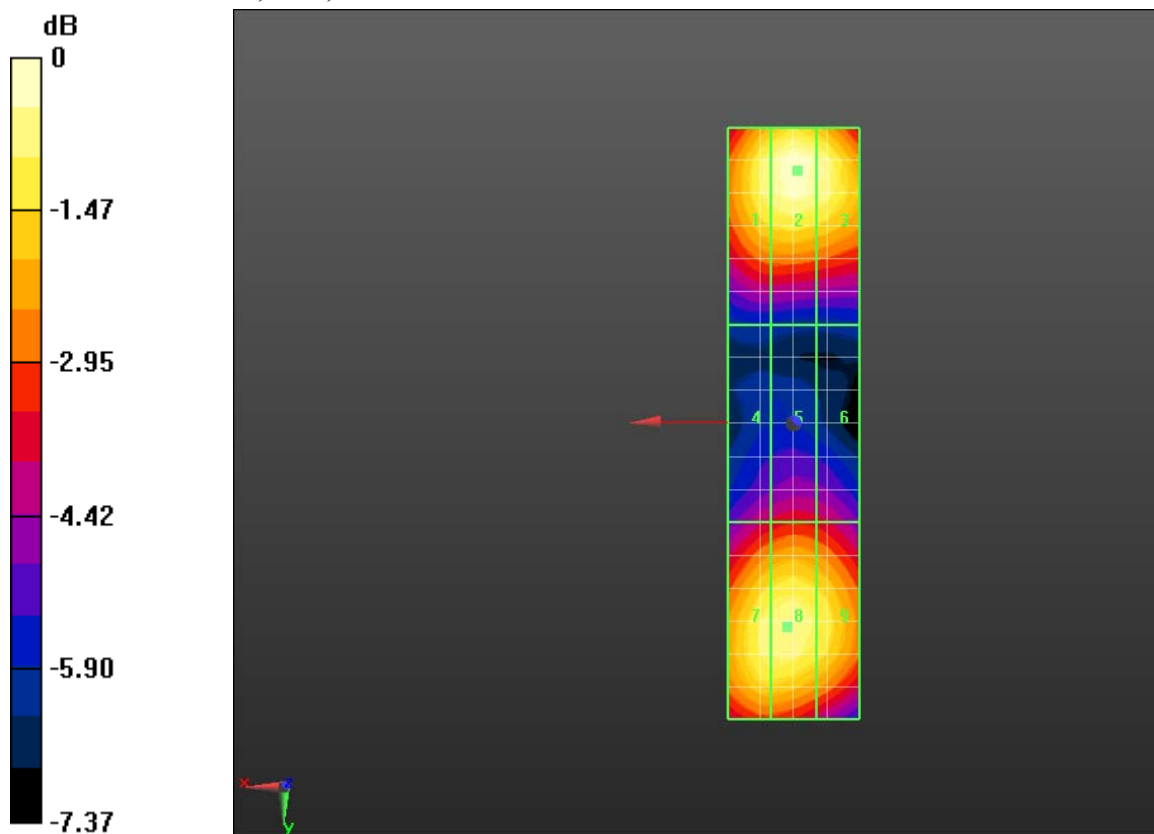
Grid 1 26.151 M4	Grid 2 27.543 M4	Grid 3 26.639 M4
Grid 4 17.904 M4	Grid 5 18.574 M4	Grid 6 18.189 M4
Grid 7 25.506 M4	Grid 8 25.701 M4	Grid 9 24.770 M4

Cursor:


Total = 27.543 V/m

E Category: M4

Location: -0.5, -38.5, 4.7 mm



0 dB = 27.540V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 48 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 3:23:56 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_validation_835 MHz_10_20_11

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Frequency: 835 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.475 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.506 A/m; Power Drift = -0.06 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 49 (132)
	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	


Grid 1 0.435 M4	Grid 2 0.451 M4	Grid 3 0.426 M4
Grid 4 0.456 M4	Grid 5 0.475 M4	Grid 6 0.448 M4
Grid 7 0.453 M4	Grid 8 0.469 M4	Grid 9 0.437 M4

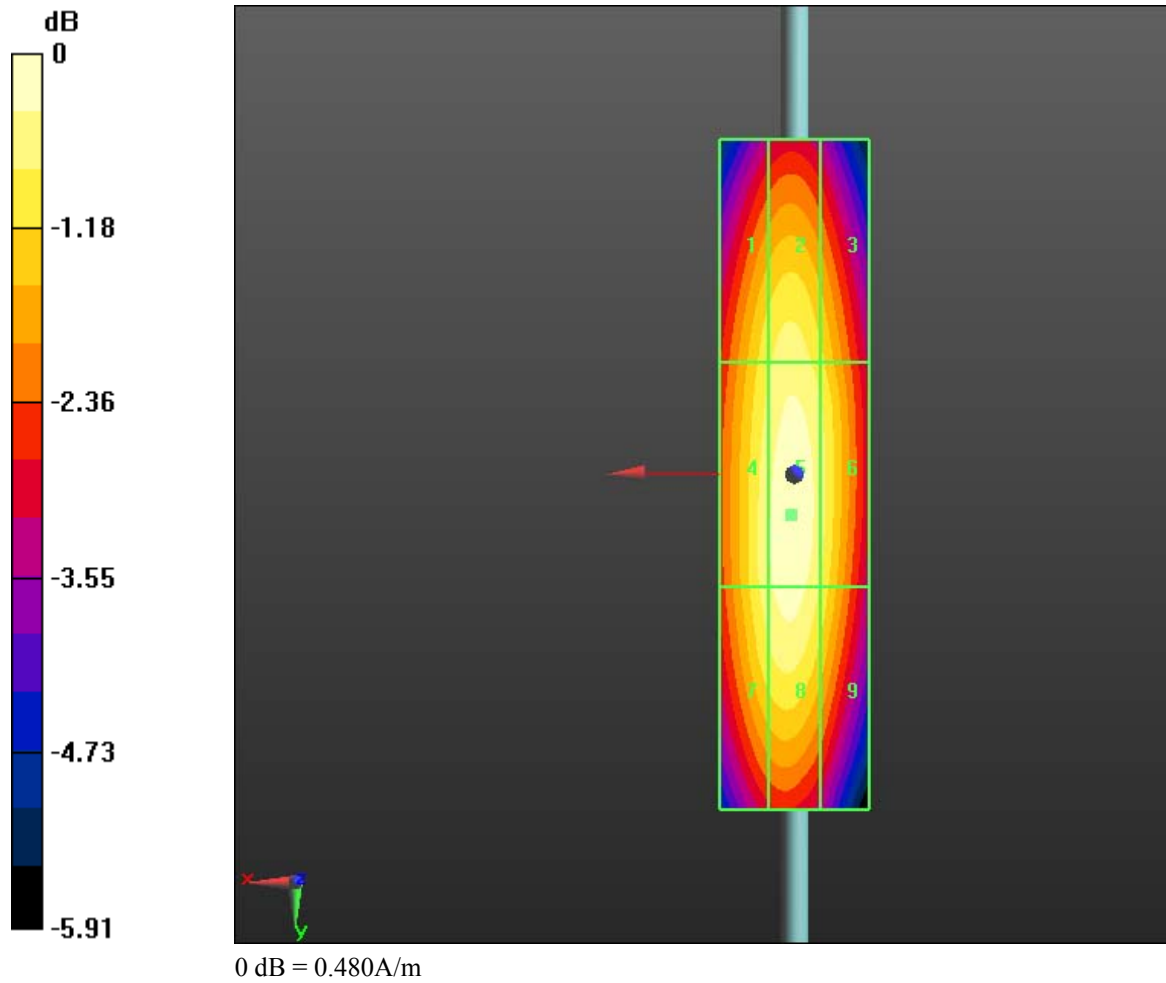
Cursor:


Total = 0.475 A/m

H Category: M4

Location: 0.5, 5.5, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 50 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 51 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 3:06:50 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_GSM_835 MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: GSM 850; Frequency: 835 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.168 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.173 A/m; Power Drift = 0.43 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 52 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

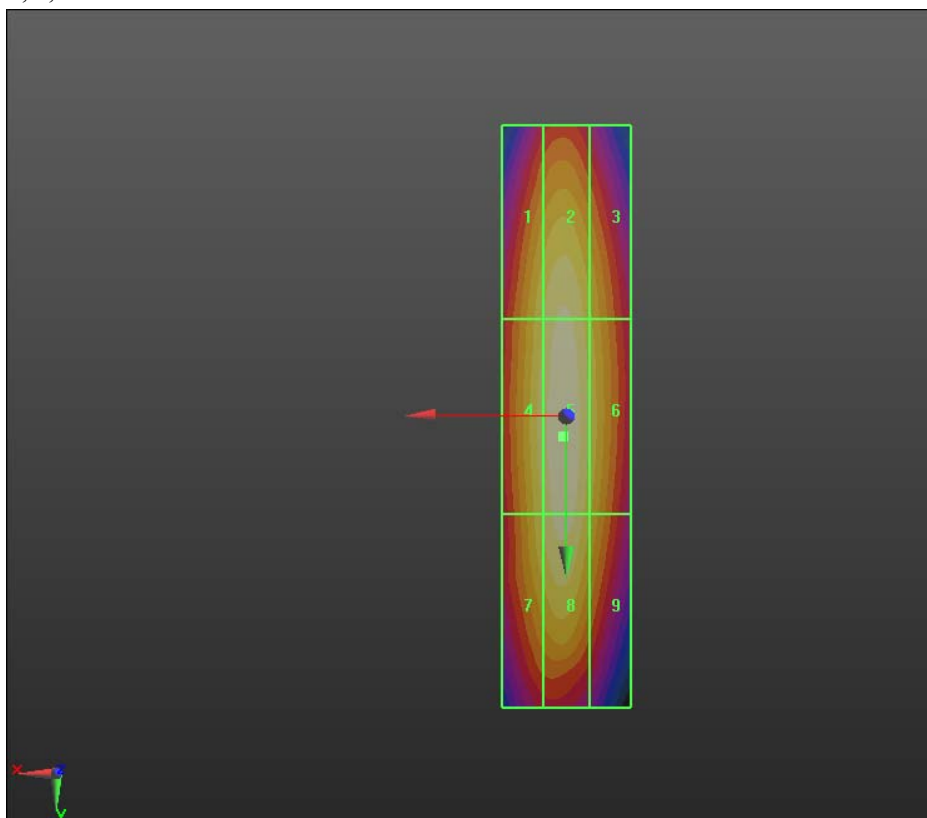
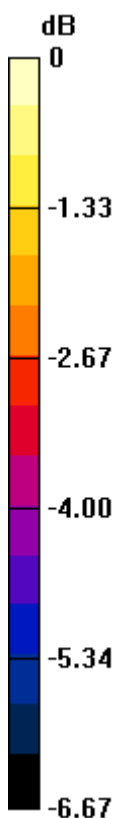
Grid 1 0.154 M4	Grid 2 0.163 M4	Grid 3 0.148 M4
Grid 4 0.159 M4	Grid 5 0.168 M4	Grid 6 0.153 M4
Grid 7 0.155 M4	Grid 8 0.165 M4	Grid 9 0.148 M4

Cursor:


Total = 0.168 A/m

H Category: M4

Location: 0.5, 3, 4.7 mm



0 dB = 0.170A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 53 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 3:23:34 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_CW835 MHz_GSM

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.482 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.503 A/m; Power Drift = -0.00099 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 54 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

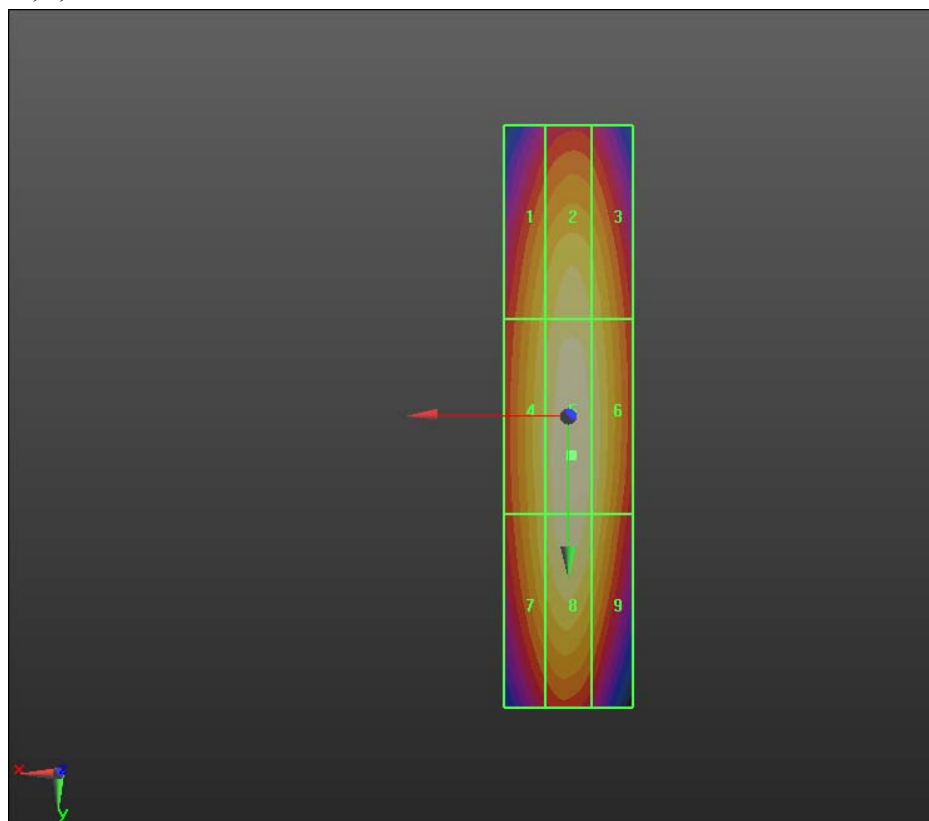
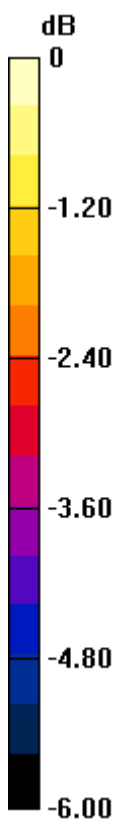
Grid 1 0.429 M4	Grid 2 0.450 M4	Grid 3 0.439 M4
Grid 4 0.449 M4	Grid 5 0.482 M4	Grid 6 0.458 M4
Grid 7 0.441 M4	Grid 8 0.475 M4	Grid 9 0.448 M4

Cursor:


Total = 0.482 A/m

H Category: M4

Location: -0.5, 6, 4.7 mm



0 dB = 0.480A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 55 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 3:34:08 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_AM80%835 MHz_GSM

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: AM 80%; Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance
from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid**

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.302 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.326 A/m; Power Drift = -0.16 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 56 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

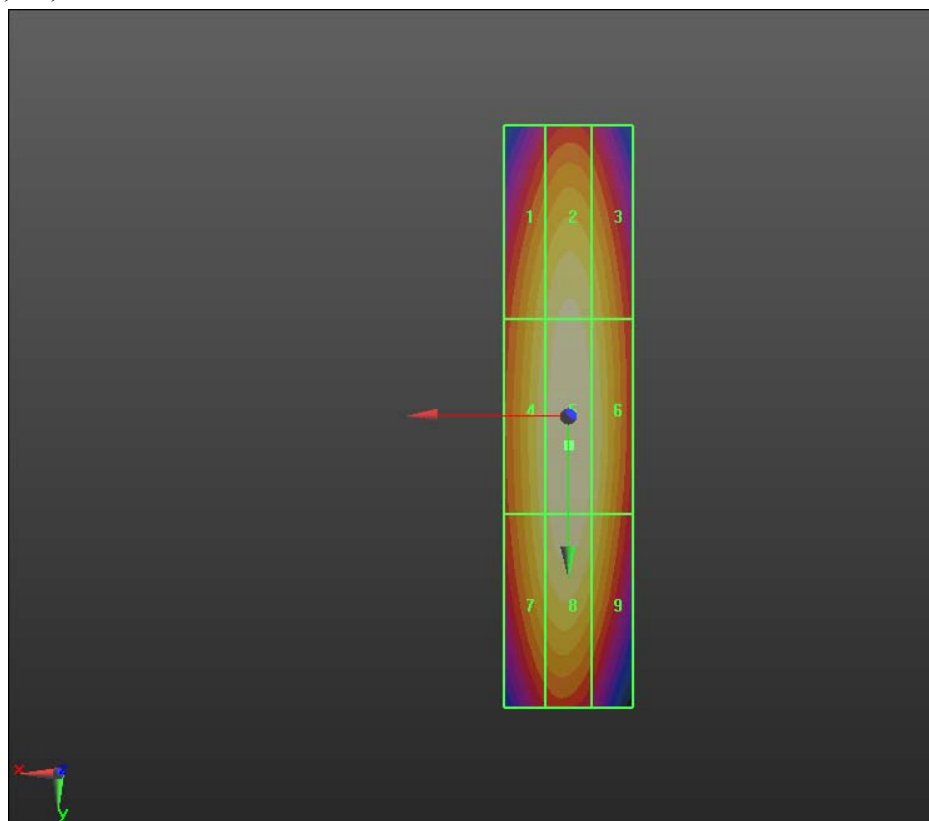
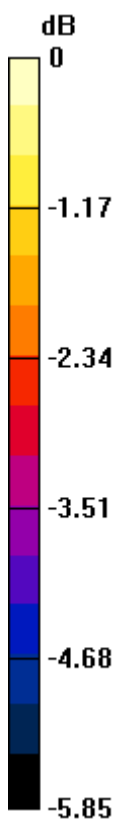
Grid 1 0.276 M4	Grid 2 0.292 M4	Grid 3 0.279 M4
Grid 4 0.286 M4	Grid 5 0.302 M4	Grid 6 0.289 M4
Grid 7 0.283 M4	Grid 8 0.299 M4	Grid 9 0.281 M4

Cursor:


Total = 0.302 A/m

H Category: M4

Location: 0, 4.5, 4.7 mm



0 dB = 0.300A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 57 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 3:32:16 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_UMTS_band V_835 MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: WCDMA FDD V; Frequency: 835 MHz; Communication System

PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance
from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid**

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.168 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.178 A/m; Power Drift = 0.23 dB

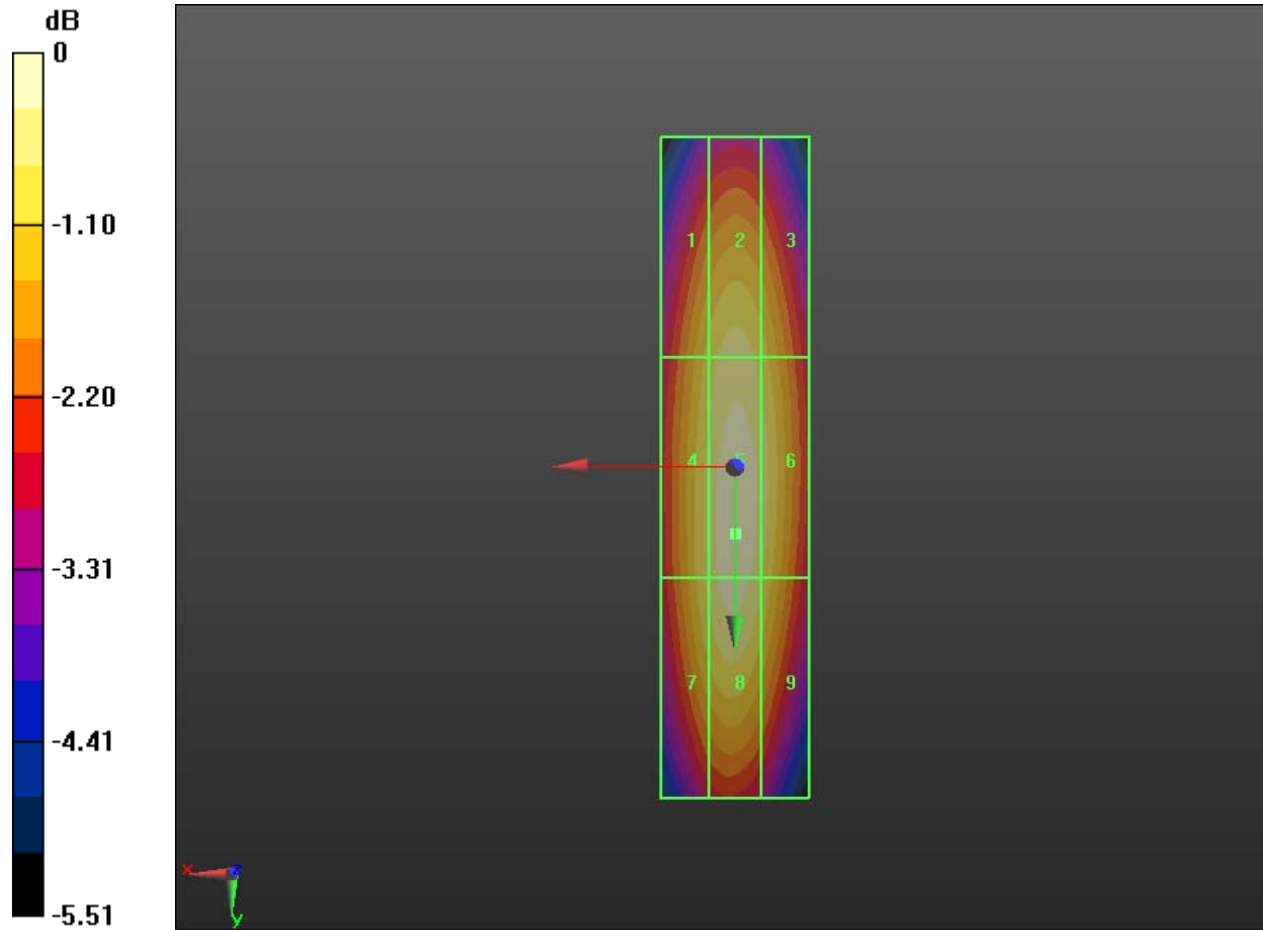
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 58 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	


Peak H-field in A/m

Grid 1 0.153 M4	Grid 2 0.160 M4	Grid 3 0.154 M4
Grid 4 0.160 M4	Grid 5 0.168 M4	Grid 6 0.161 M4
Grid 7 0.159 M4	Grid 8 0.166 M4	Grid 9 0.157 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 59 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



0 dB = 0.170A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 60 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 3:41:08 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_CW835 MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: CW; Communication System Band: D835 (835.0 MHz); Frequency: 835 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.166 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.177 A/m; Power Drift = -0.10 dB

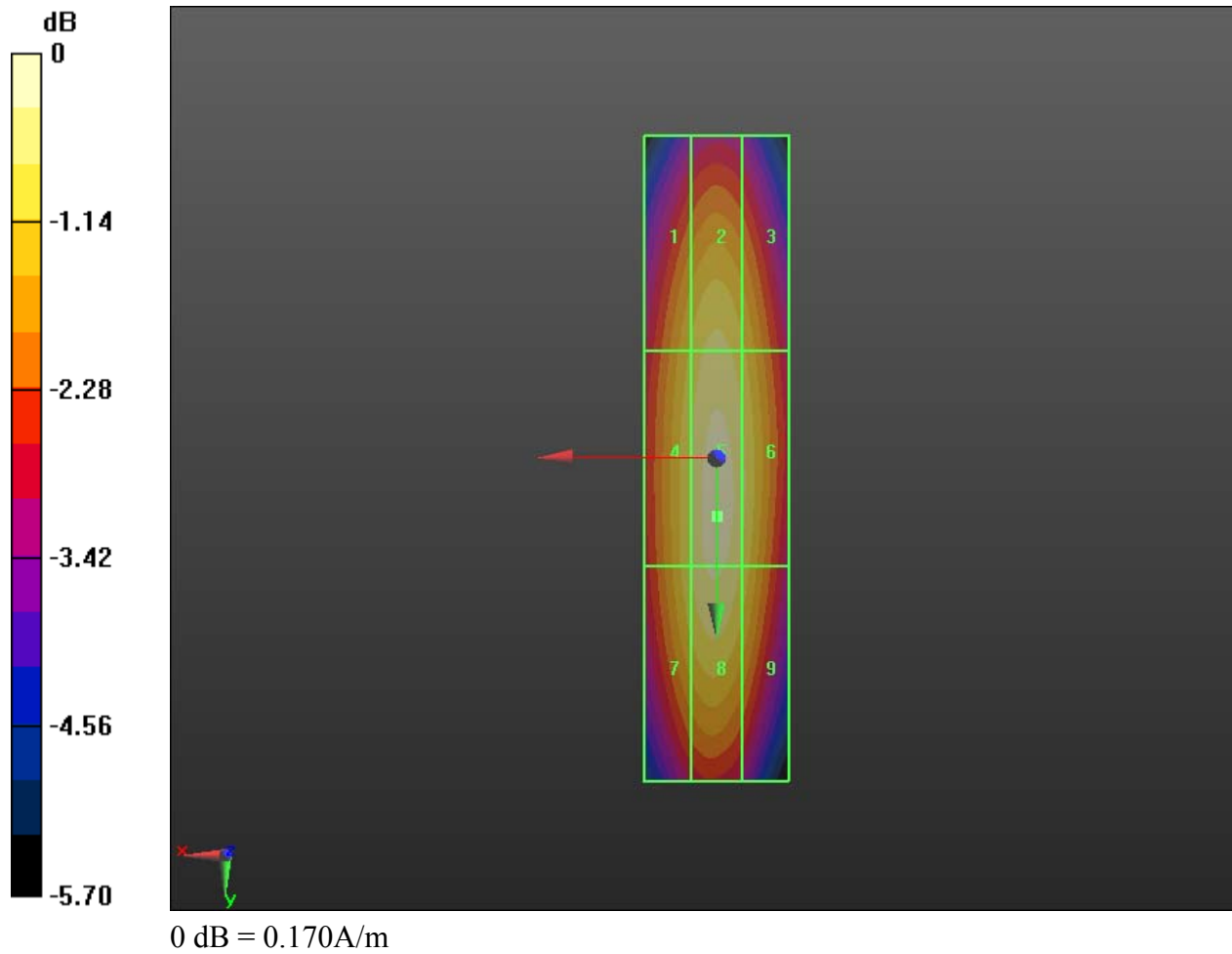
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 61 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Peak H-field in A/m

Grid 1 0.151 M4	Grid 2 0.158 M4	Grid 3 0.151 M4
Grid 4 0.157 M4	Grid 5 0.166 M4	Grid 6 0.159 M4
Grid 7 0.156 M4	Grid 8 0.164 M4	Grid 9 0.155 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 62 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 63 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 3:45:30 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_AM80%835 MHz

DUT: HAC-Dipole 835 MHz; Type: D835V3

Communication System: AM 80%; Communication System Band: D835 (835.0 MHz);
Frequency: 835 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance
from the probe sensor center to CD835 Dipole = 10mm/Hearing Aid**

Compatibility Test (41x181x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.106 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.113 A/m; Power Drift = 0.0097 dB

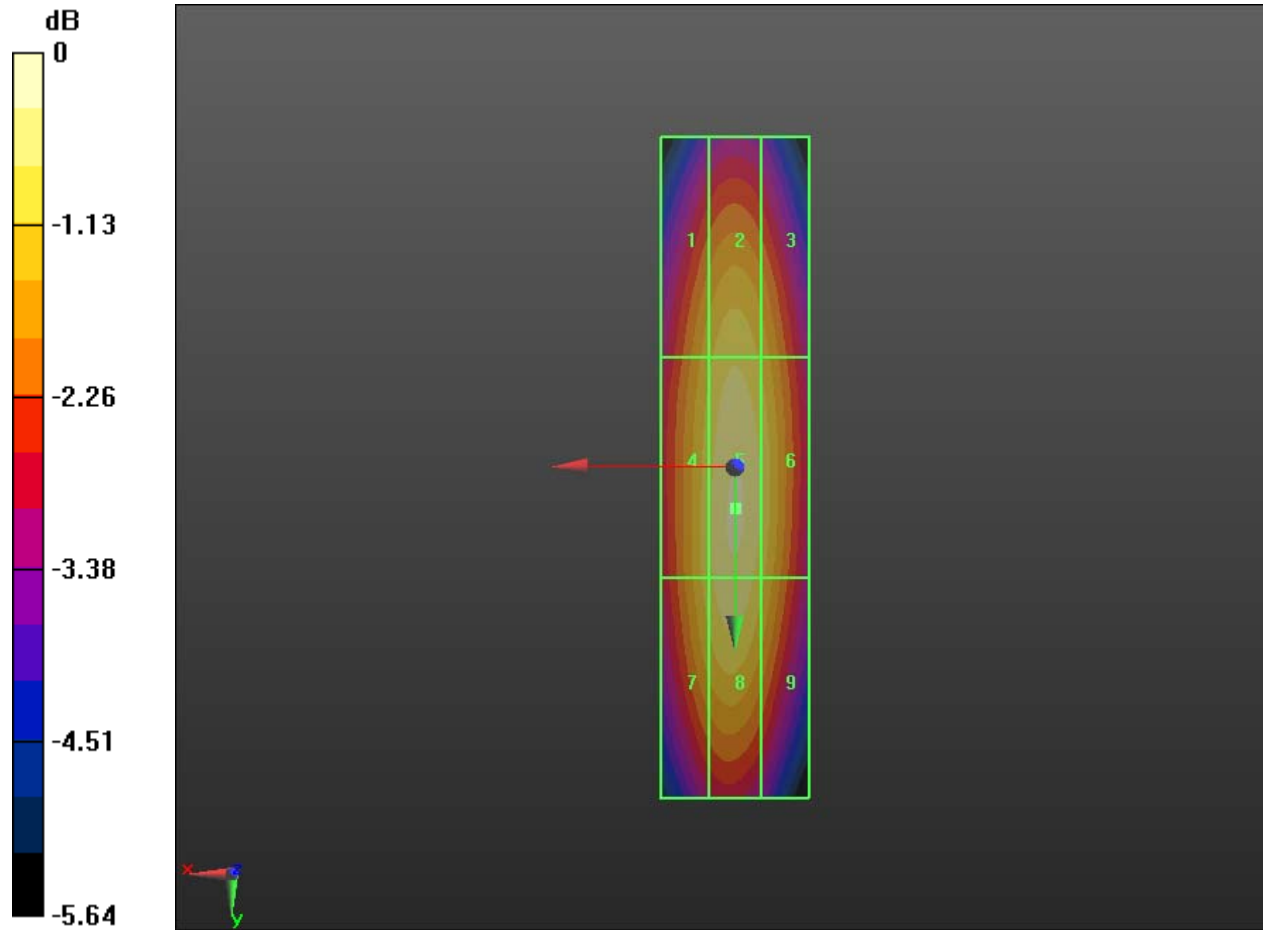
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 64 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW


Peak H-field in A/m

Grid 1 0.096 M4	Grid 2 0.100 M4	Grid 3 0.096 M4
Grid 4 0.100 M4	Grid 5 0.106 M4	Grid 6 0.101 M4
Grid 7 0.100 M4	Grid 8 0.104 M4	Grid 9 0.098 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 65 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



0 dB = 0.110A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 66 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 3:07:35 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_validation_1880 MHz_10_20_11

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.464 A/m


Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.494 A/m; Power Drift = -0.04 dB

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

Peak H-field in A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 67 (132)
	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Grid 1 0.433 M2	Grid 2 0.448 M2	Grid 3 0.426 M2
Grid 4 0.446 M2	Grid 5 0.464 M2	Grid 6 0.439 M2
Grid 7 0.435 M2	Grid 8 0.453 M2	Grid 9 0.428 M2

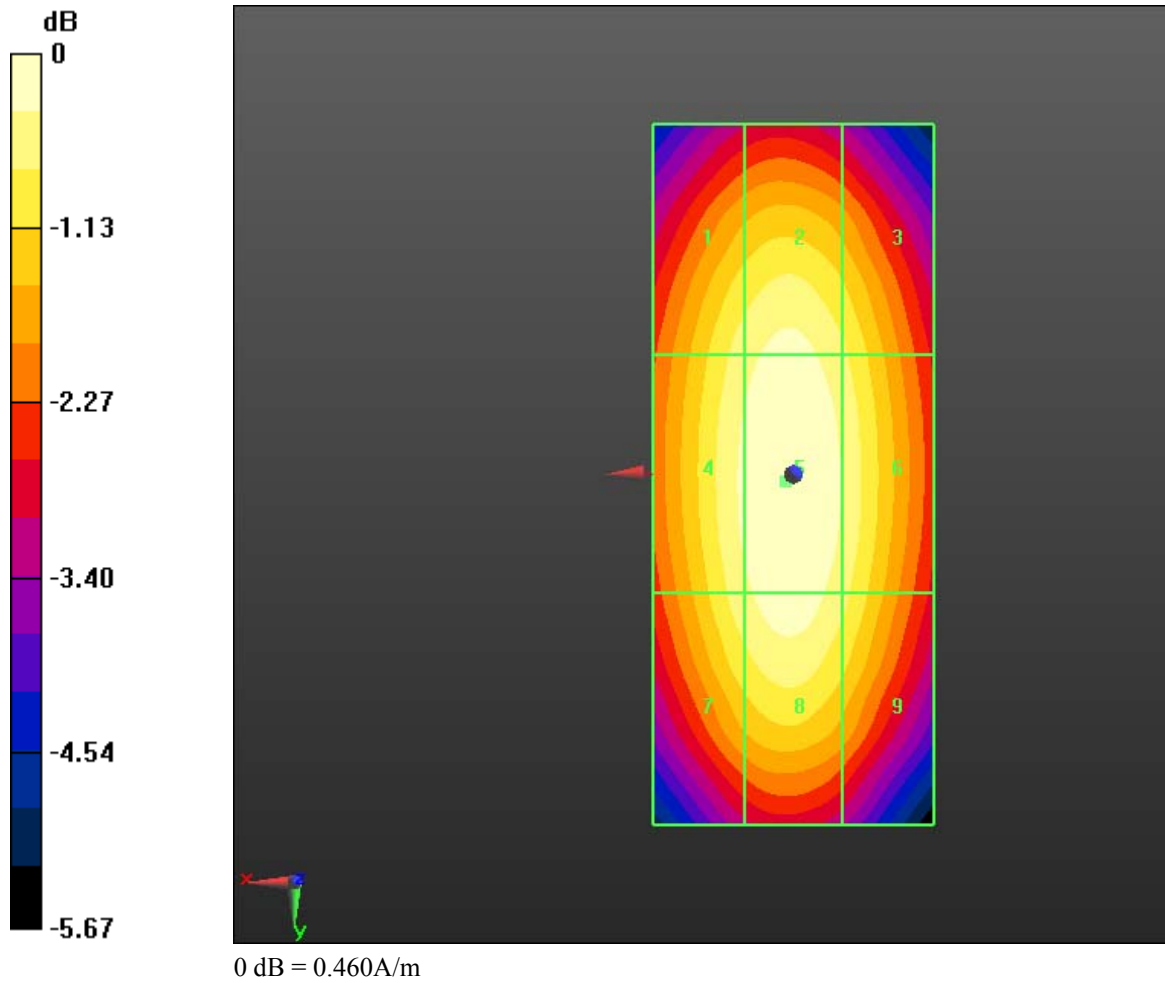
Cursor:


Total = 0.464 A/m

H Category: M2

Location: 0.5, 0.5, 4.7 mm

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 68 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 69 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 1:03:25 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_GSM_1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: GSM 1900; Frequency: 1880 MHz; Communication System PAR: 9.191 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.099 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.105 A/m; Power Drift = 0.04 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 70 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

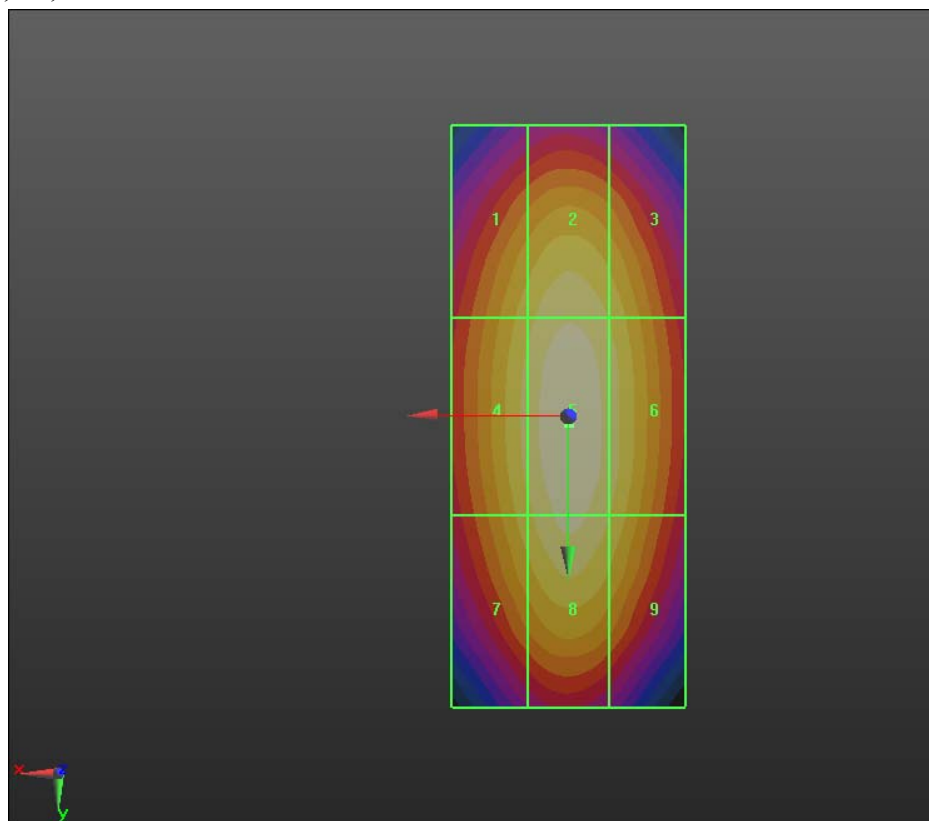
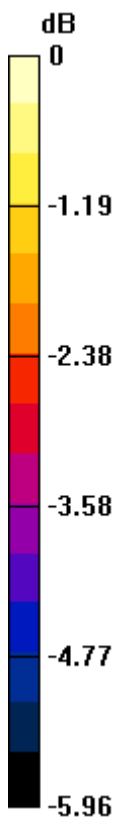
Grid 1 0.090 M4	Grid 2 0.095 M4	Grid 3 0.091 M4
Grid 4 0.093 M4	Grid 5 0.099 M4	Grid 6 0.094 M4
Grid 7 0.090 M4	Grid 8 0.097 M4	Grid 9 0.091 M4

Cursor:


Total = 0.099 A/m

H Category: M4

Location: 0, 0.5, 4.7 mm



0 dB = 0.100A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 71 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 12:41:56 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_CW1880 MHz_GSM

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.284 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.302 A/m; Power Drift = -0.03 dB

Hearing Aid Near-Field Category: M3 (AWF 0 dB)

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 72 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

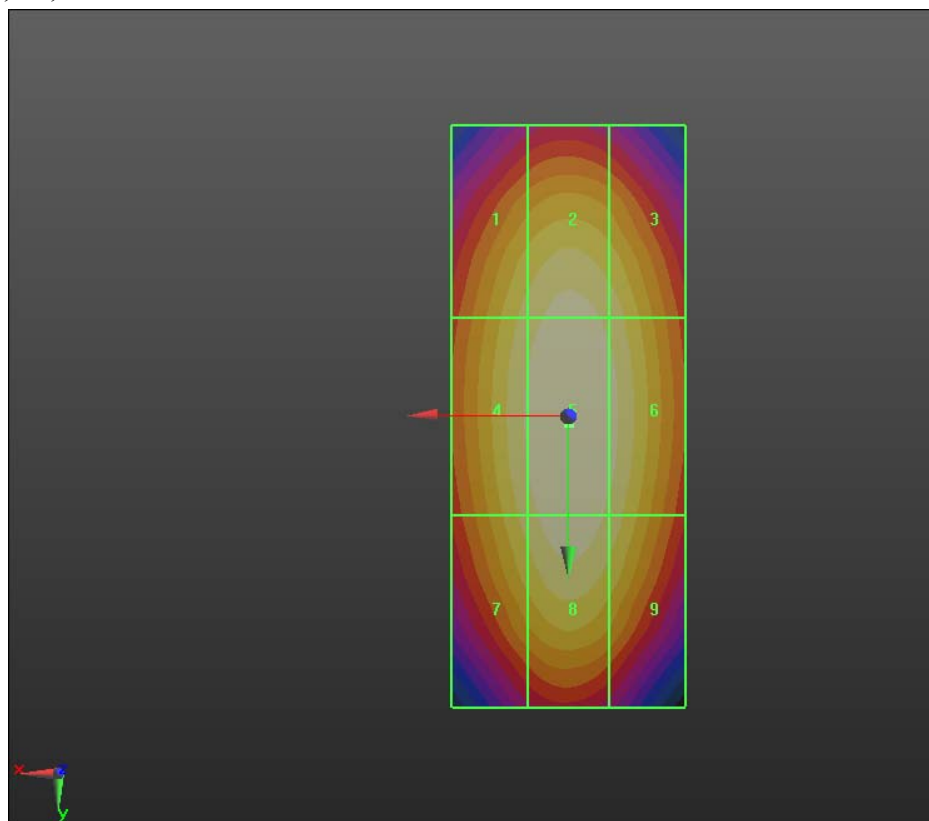
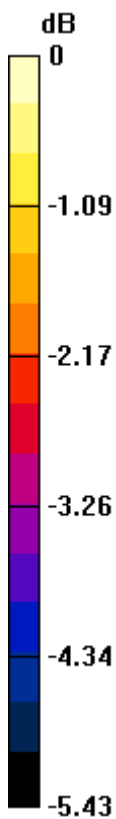
Grid 1 0.263 M3	Grid 2 0.274 M3	Grid 3 0.265 M3
Grid 4 0.271 M3	Grid 5 0.284 M3	Grid 6 0.274 M3
Grid 7 0.263 M3	Grid 8 0.278 M3	Grid 9 0.266 M3

Cursor:


Total = 0.284 A/m

H Category: M3

Location: 0, 0.5, 4.7 mm



0 dB = 0.280A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 73 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 3/23/2011 12:51:39 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_AM80%1880 MHz_GSM

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: AM 80%; Communication System Band: D1900 (1900.0 MHz);
Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance
from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid**

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm


Maximum value of peak Total field = 0.184 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

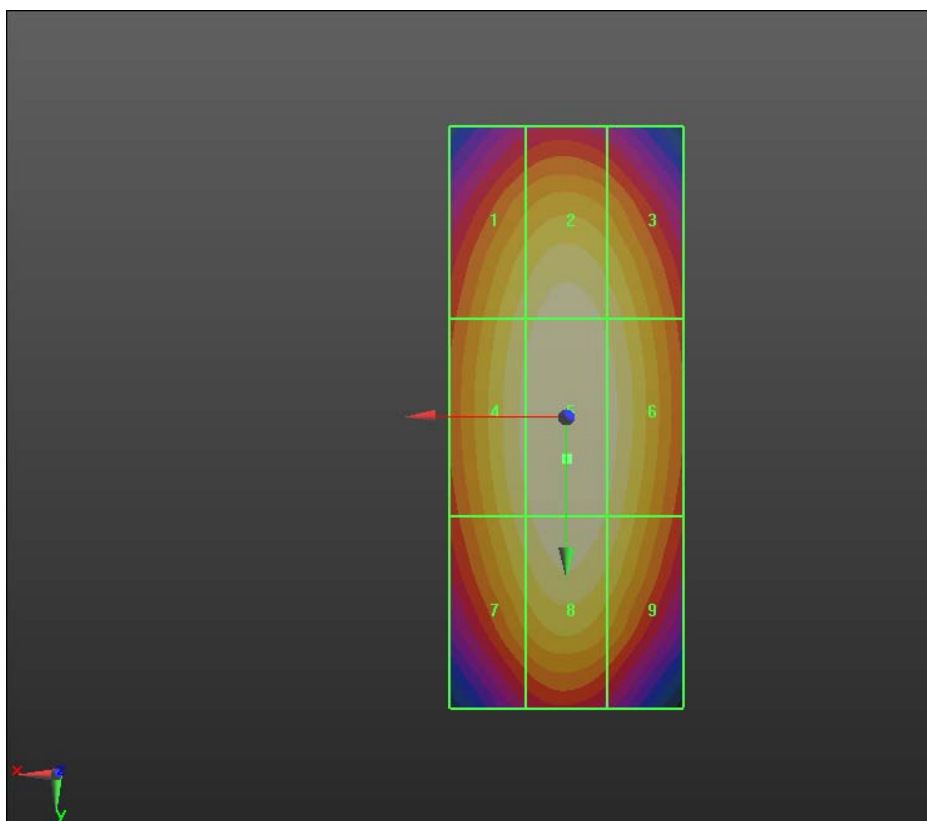
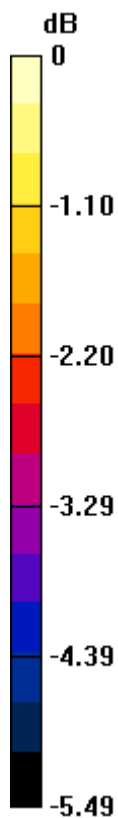
Reference Value = 0.196 A/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 74 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Peak H-field in A/m

Grid 1 0.170 M4	Grid 2 0.178 M4	Grid 3 0.171 M4
Grid 4 0.175 M4	Grid 5 0.184 M4	Grid 6 0.177 M4
Grid 7 0.170 M4	Grid 8 0.180 M4	Grid 9 0.172 M4



0 dB = 0.180A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 75 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:57:08 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_UMTS_band II_1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

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

PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.138 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.147 A/m; Power Drift = 0.04 dB

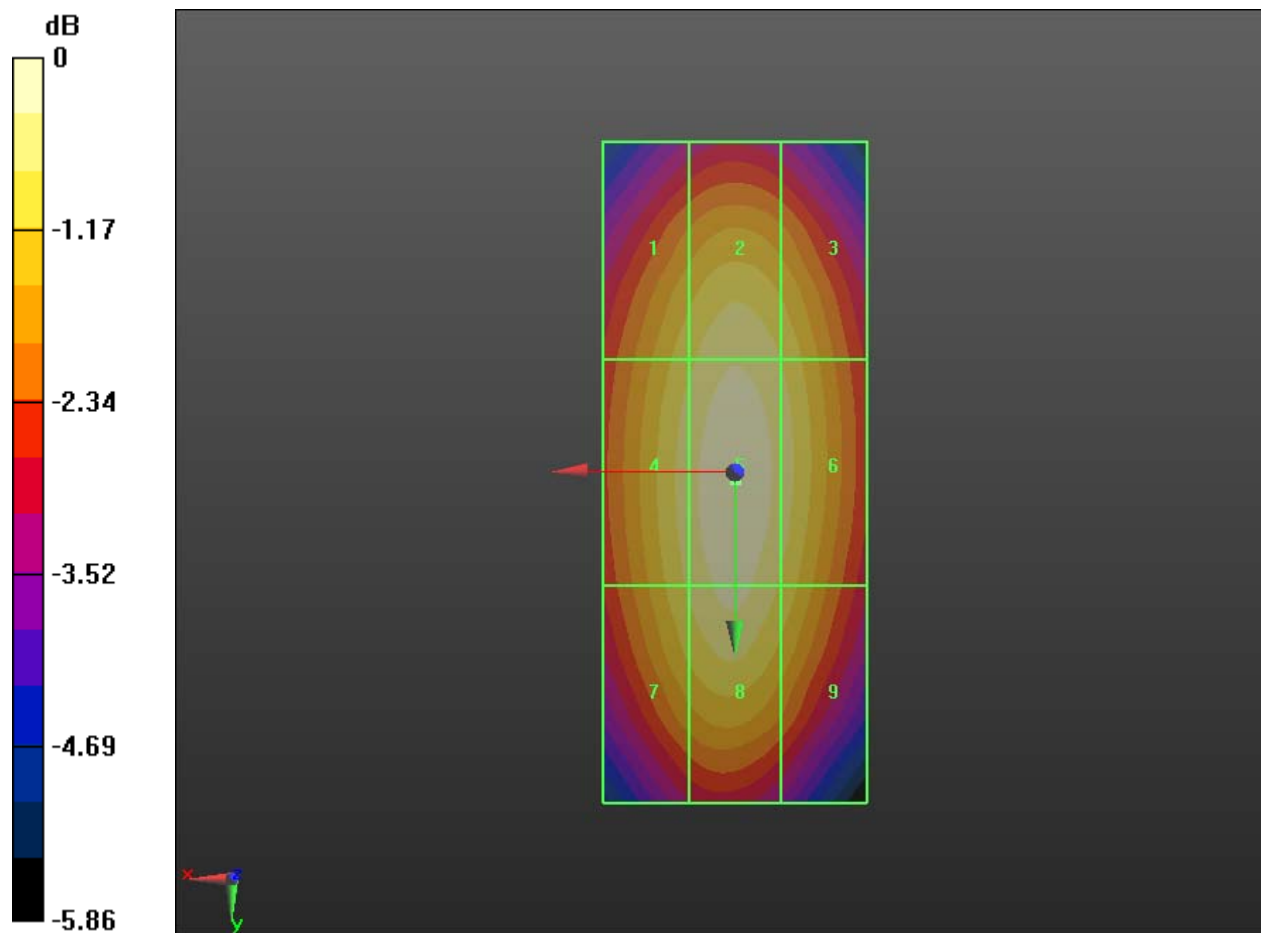
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m


Grid 1	Grid 2	Grid 3
0.127 M4	0.134 M4	0.128 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 76 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 4 0.132 M4	Grid 5 0.138 M4	Grid 6 0.132 M4
Grid 7 0.129 M4	Grid 8 0.136 M4	Grid 9 0.127 M4



0 dB = 0.140A/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 77 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:40:44 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_CW1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Communication System Band: D1900 (1900.0 MHz); Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.155 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.163 A/m; Power Drift = 0.06 dB

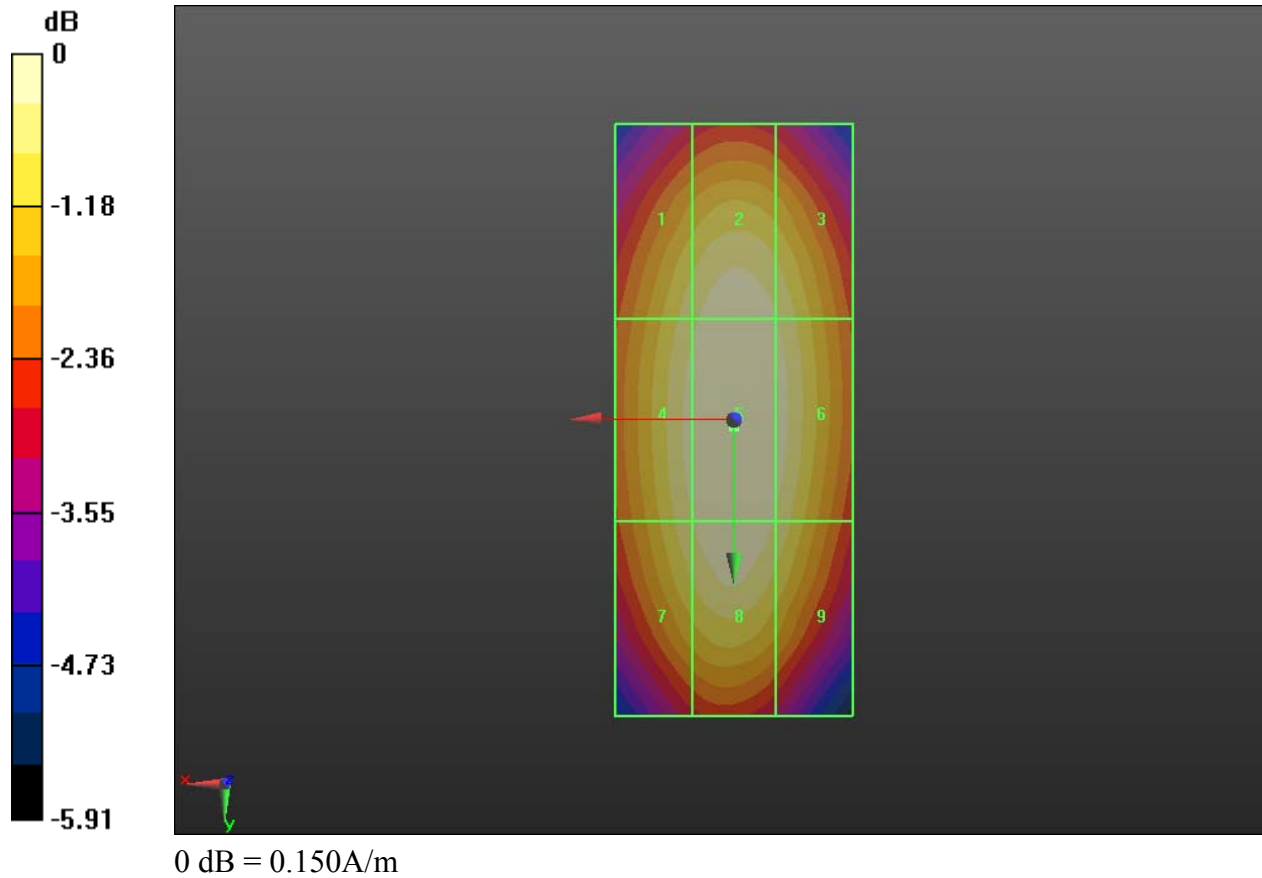
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 78 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Peak H-field in A/m

Grid 1 0.142 M4	Grid 2 0.149 M4	Grid 3 0.144 M4
Grid 4 0.147 M4	Grid 5 0.155 M4	Grid 6 0.148 M4
Grid 7 0.143 M4	Grid 8 0.151 M4	Grid 9 0.143 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 79 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 80 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 2/28/2011 2:44:44 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_PMF_AM80%1880 MHz

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: AM 80%; Communication System Band: D1900 (1900.0 MHz);
Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn881; Calibrated: 4/19/2010
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

**Dipole H-Field measurement with H3DV6 probe/H Scan - measurement distance
from the probe sensor center to CD1880 Dipole = 10mm/Hearing Aid**

Compatibility Test (41x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.099 A/m

Probe Modulation Factor = 1.000

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.106 A/m; Power Drift = 0.0091 dB

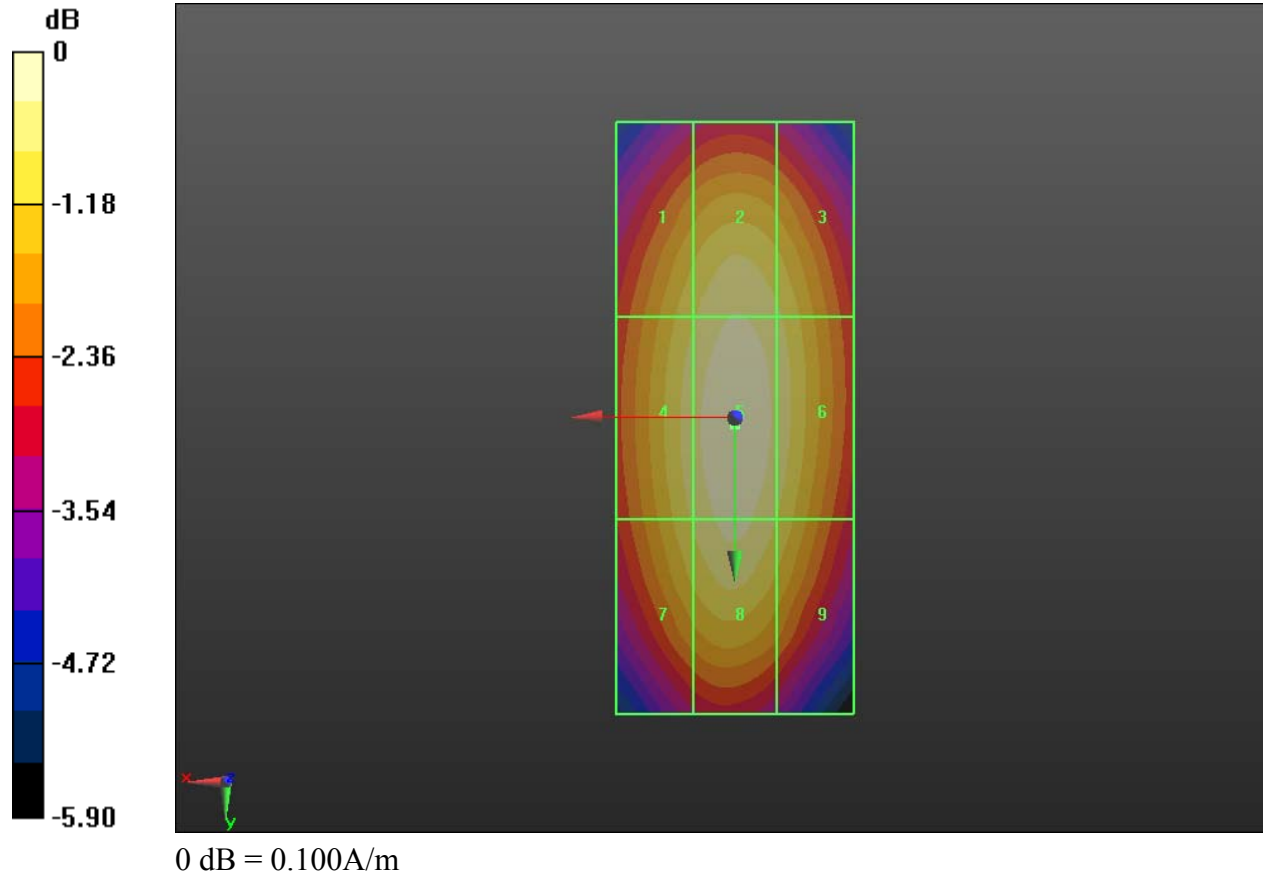
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 81 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

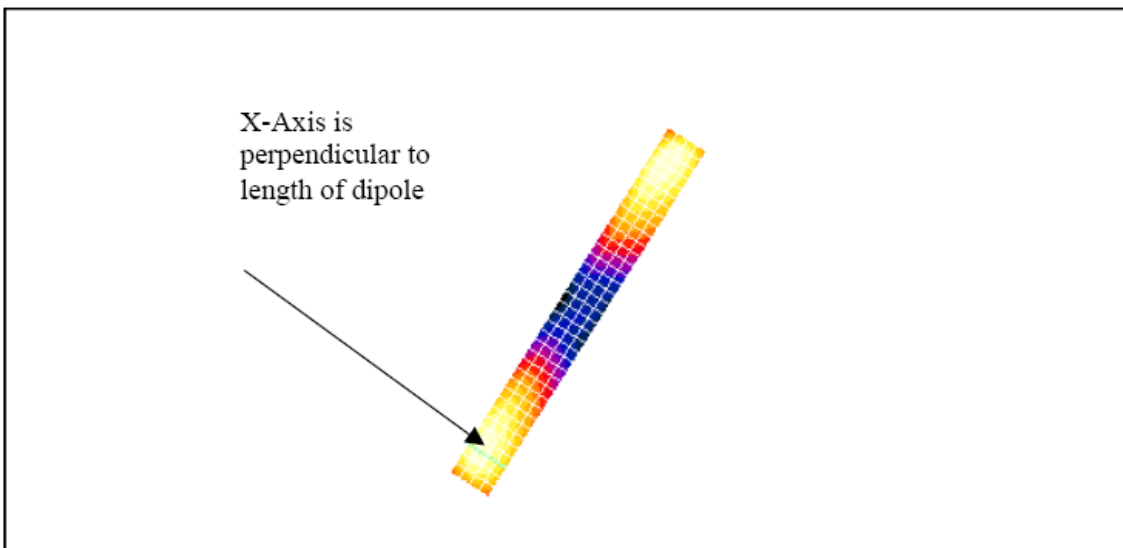
Peak H-field in A/m

Grid 1 0.091 M4	Grid 2 0.096 M4	Grid 3 0.092 M4
Grid 4 0.094 M4	Grid 5 0.099 M4	Grid 6 0.095 M4
Grid 7 0.092 M4	Grid 8 0.097 M4	Grid 9 0.091 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 82 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW




	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 83 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



The green line in this figure shows the axis along which the points lie.

Comparison of 5mm and 2mm step sizes

An additional set of measurements was taken: dipole validations were performed using 5mm and 2mm step sizes. The delta between the two readings is insignificant for both field types ($< 0.4\%$ for E and 0% for H), demonstrating that 5mm is sufficient. The plots follow.

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 84 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 14/07/2005 11:35:24 AM

Page 1 of 2

Date/Time: 14/07/2005 11:35:24 AM

Lab: RIM Testing Services (RTS)

Dipole Validation 1880 MHz_E-Field 07_14_05

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
Phantom section: H Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2285; ConvF(1, 1, 1); Calibrated: 10/12/2004
- Sensor-Surface: 0mm (Fix Surface) Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 03/01/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (5x19x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of Total (measured) = 134.8 V/m

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of Total field (slot averaged) = 131.0 V/m

Hearing Aid Near-Field Category: M2 (AWF 0 dB)


E in V/m (Time averaged) E in V/m (Slot averaged)

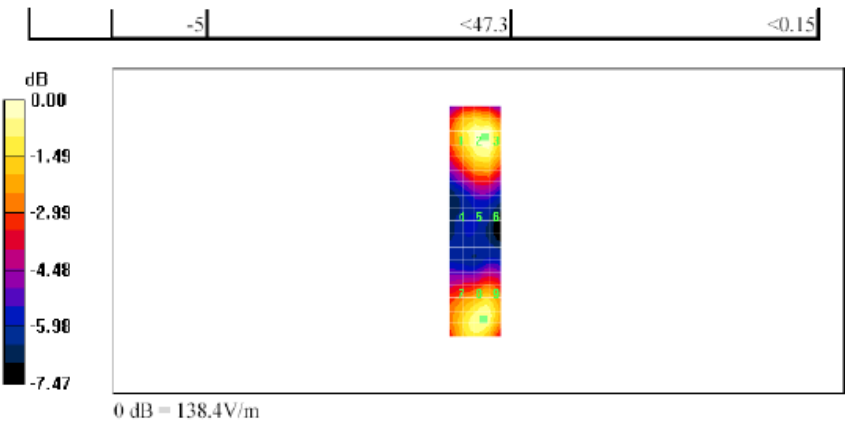
Grid 1	Grid 2	Grid 3	Grid 1	Grid 2	Grid 3
123.2	138.1	138.4	123.2	138.1	138.4
Grid 4	Grid 5	Grid 6	Grid 4	Grid 5	Grid 6
80.9	92.3	92.2	80.9	92.3	92.2
Grid 7	Grid 8	Grid 9	Grid 7	Grid 8	Grid 9
119.8	131.0	130.7	119.8	131.0	130.7


Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19

file://C:\Program%20Files\DASY4\Print_Templates\Dipole%20Validation%201880%20... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 85 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		86 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 14/07/2005 11:44:51 AM

Page 1 of 2

Date/Time: 14/07/2005 11:44:51 AM

Lab: RIM Testing Services (RTS)

Dipole Validation 1880 MHz_2mm step_E-Field 07_14_05

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
Phantom section: H Device Section

DASY4 Configuration:

- Probe: ER3DV6 - SN2285; ConvF(1, 1, 1); Calibrated: 10/12/2004
- Sensor-Surface: 0mm (Fix Surface) Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 03/01/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (11x46x1):

Measurement grid: dx=2mm, dy=2mm
Maximum value of Total (measured) = 138.0 V/m

E Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (101x451x1):

Measurement grid: dx=2mm, dy=2mm
Maximum value of Total field (slot averaged) = 131.2 V/m

Hearing Aid Near-Field Category: M2 (AWF 0 dB)


E in V/m (Time averaged) E in V/m (Slot averaged)

Grid 1	Grid 2	Grid 3	Grid 1	Grid 2	Grid 3
123.1	138.6	138.6	123.1	138.6	138.6
Grid 4	Grid 5	Grid 6	Grid 4	Grid 5	Grid 6
81.4	92.1	91.6	81.4	92.1	91.6
Grid 7	Grid 8	Grid 9	Grid 7	Grid 8	Grid 9
121.3	131.2	131.0	121.3	131.2	131.0

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19

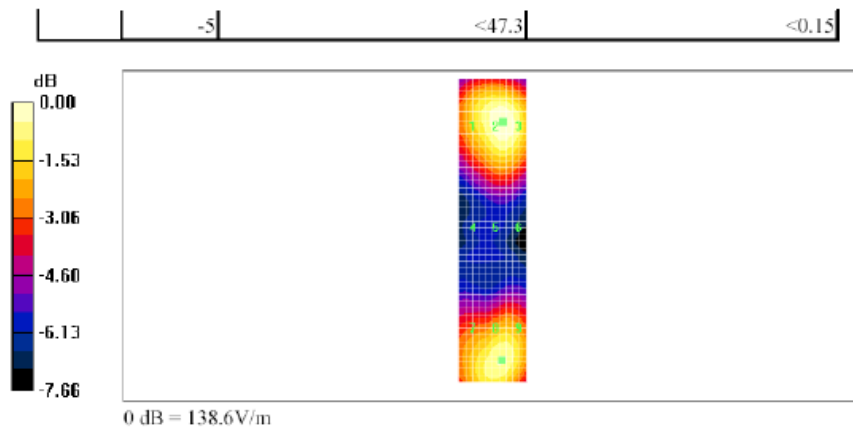
file://C:\Program%20Files\DASY4\Print_Templates\Dipole%20Validation%201880%20... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 87 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	


Date/Time: 14/07/2005 11:44:51 AM

Page 2 of 2



file://C:\Program%20Files\DASY4\Print_Templates\Dipole%20Validation%201880%20... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 88 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 14/07/2005 12:43:02 PM

Page 1 of 2

Date/Time: 14/07/2005 12:43:02 PM

Lab: RIM Testing Services (RTS)

HAC_H_Dipole_CW 1880_5 mm step_07_14_05

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
Phantom section: H Dipole Section

DASY4 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 10/12/2004
- Sensor-Surface: 0mm (Fix Surface) Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 03/01/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (5x19x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of Total (measured) = 0.406 A/m

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (41x181x1):

Measurement grid: dx=5mm, dy=5mm
Maximum value of Total field (slot averaged) = 0.406 A/m

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

H in A/m (Time averaged) H in A/m (Slot averaged)

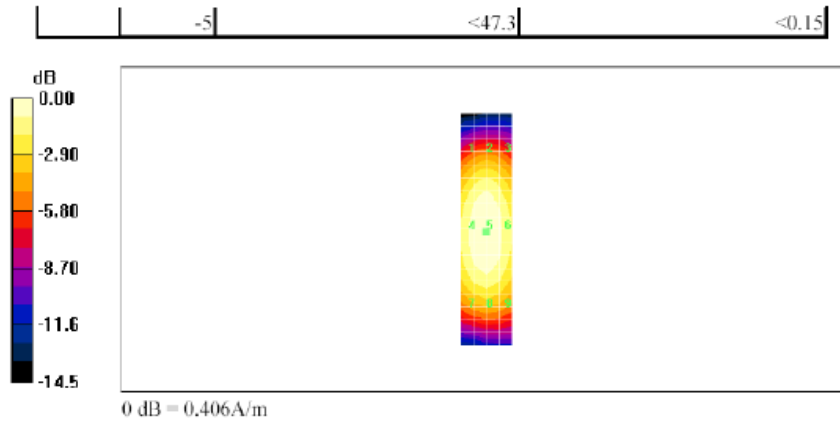
Grid 1	Grid 2	Grid 3	Grid 1	Grid 2	Grid 3
0.342	0.359	0.344	0.342	0.359	0.344
Grid 4	Grid 5	Grid 6	Grid 4	Grid 5	Grid 6
0.389	0.406	0.389	0.389	0.406	0.389
Grid 7	Grid 8	Grid 9	Grid 7	Grid 8	Grid 9
0.363	0.378	0.363	0.363	0.378	0.363

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 89 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW


Date/Time: 14/07/2005 12:43:02 PM

Page 2 of 2



file:///C:/Program%20Files/DASY4/Print_Templates/HAC_H_Dipole_CW%201880_5%... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		90 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 14/07/2005 12:53:40 PM

Page 1 of 2

Date/Time: 14/07/2005 12:53:40 PM

Lab: RIM Testing Services (RTS)

HAC_H_Dipole_CW 1880_2 mm step_07_14_05

DUT: HAC Dipole 1880 MHz; Type: CD1880V3

Communication System: CW; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 1$ kg/m³
Phantom section: H Dipole Section

DASY4 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 10/12/2004
- Sensor-Surface: 0mm (Fix Surface) Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 03/01/2005
- Phantom: HAC Test Arch; Type: SD HAC P01 BA;
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (11x46x1):

Measurement grid: dx=2mm, dy=2mm
Maximum value of Total (measured) = 0.406 A/m

H Scan 10mm above CD 1880 MHz/Hearing Aid Compatibility Test (101x451x1):

Measurement grid: dx=2mm, dy=2mm
Maximum value of Total field (slot averaged) = 0.406 A/m

Hearing Aid Near-Field Category: M2 (AWF 0 dB)

H in A/m (Time averaged) H in A/m (Slot averaged)

Grid 1	Grid 2	Grid 3	Grid 1	Grid 2	Grid 3
0.347	0.361	0.348	0.347	0.361	0.348
Grid 4	Grid 5	Grid 6	Grid 4	Grid 5	Grid 6
0.394	0.406	0.391	0.394	0.406	0.391
Grid 7	Grid 8	Grid 9	Grid 7	Grid 8	Grid 9
0.367	0.380	0.365	0.367	0.380	0.365

Category	AWF (dB)	Limits for E-Field Emissions (V/m)	Limits for H-Field Emissions (A/m)
M1	0	199.5 - 354.8	0.6 - 1.07
	-5	149.6 - 266.1	0.45 - 0.8
M2	0	112.2 - 199.5	0.34 - 0.6
	-5	84.1 - 149.6	0.25 - 0.45
M3	0	63.1 - 112.2	0.19 - 0.34
	-5	47.3 - 84.1	0.15 - 0.25
M4	0	<63.1	<0.19

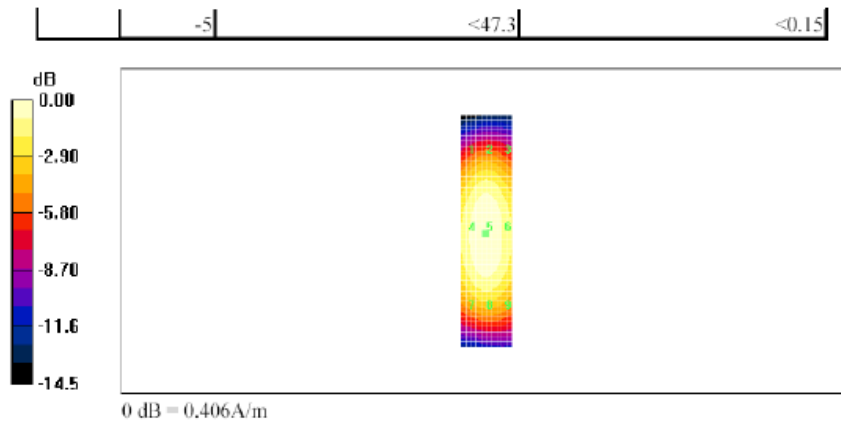
file://C:\Program%20Files\DASY4\Print_Templates\HAC_H_Dipole_CW%201880_2%... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 91 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 14/07/2005 12:53:40 PM

Page 2 of 2




file://C:\Program%20Files\DASY4\Print_Templates\HAC_H_Dipole_CW%201880_2%... 14/07/2005

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 92 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

A.3 RF emission field plots

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 93 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 6:30:55 PM, Date/Time: 10/20/2011 6:34:47 PM, Date/Time: 10/20/2011 6:40:16 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_GSM850_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 850; Frequency: 824.2 MHz, Frequency: 836.8 MHz, Frequency: 848.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device, Low Ch./Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 132.0 V/m

Probe Modulation Factor = 2.940


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 51.967 V/m; Power Drift = -0.12 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 103.1 M4	Grid 2 125.3 M4	Grid 3 125.5 M4
Grid 4	Grid 5	Grid 6

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		94 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

111.3 M4	132.0 M4	132.0 M4
Grid 7	Grid 8	Grid 9
121.7 M4	136.1 M4	136.1 M4

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, Mid Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 139.5 V/m

Probe Modulation Factor = 2.940

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 54.026 V/m; Power Drift = -0.11 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 99.616 M4	Grid 2 128.8 M4	Grid 3 129.8 M4
Grid 4 110.8 M4	Grid 5 139.5 M4	Grid 6 140.0 M4
Grid 7 126.0 M4	Grid 8 145.8 M4	Grid 9 145.7 M4

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, High Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 147.3 V/m

Probe Modulation Factor = 2.940

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 56.444 V/m; Power Drift = -0.20 dB

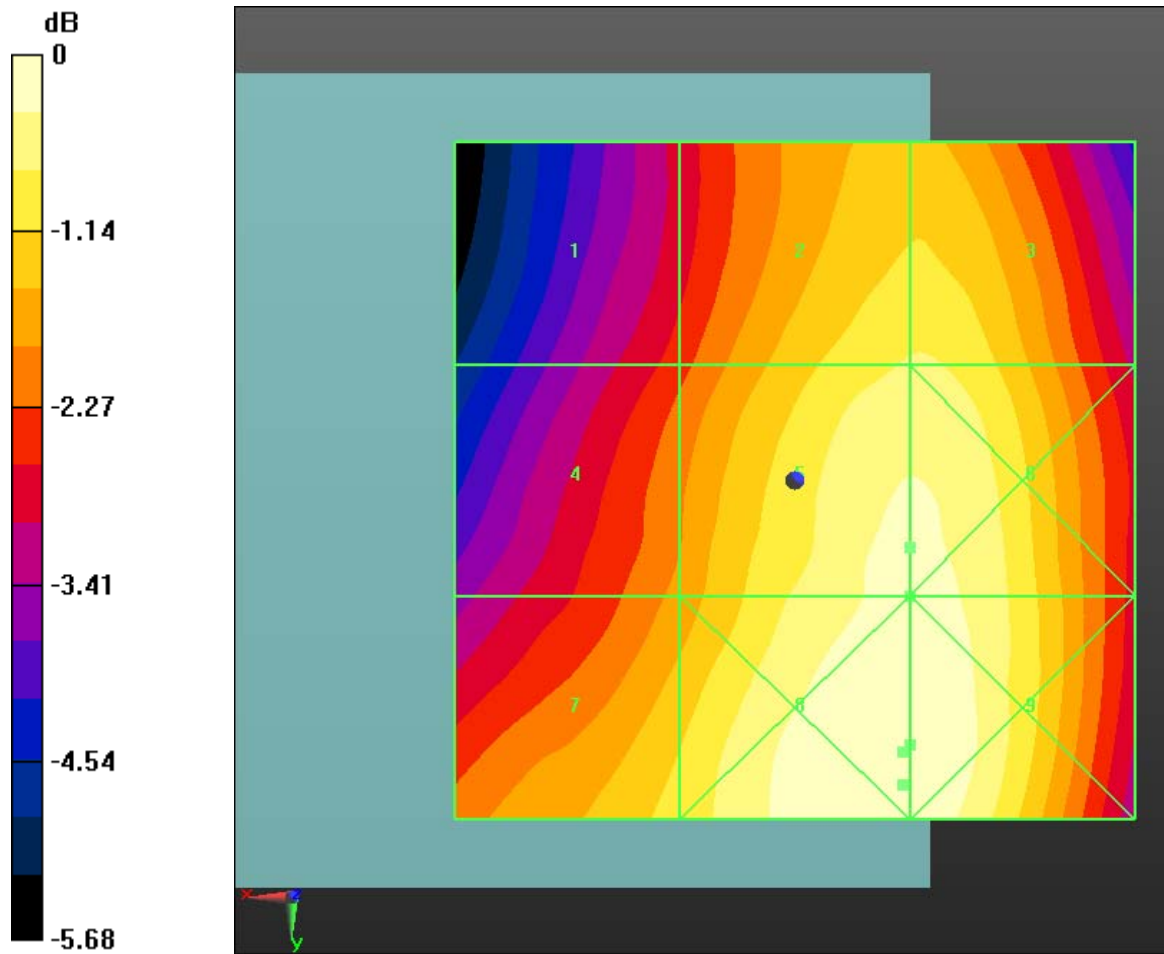
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m


Grid 1 108.2 M4	Grid 2 142.2 M4	Grid 3 142.9 M4
---------------------------	---------------------------	---------------------------

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 95 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 4 113.9 M4	Grid 5 147.3 M4	Grid 6 147.5 M4
Grid 7 125.4 M4	Grid 8 149.3 M4	Grid 9 149.3 M4



0 dB = 136.1V/m

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 96 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 7:02:12 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_GSM850_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 146.2 V/m

Probe Modulation Factor = 2.940

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 55.661 V/m; Power Drift = -0.04 dB

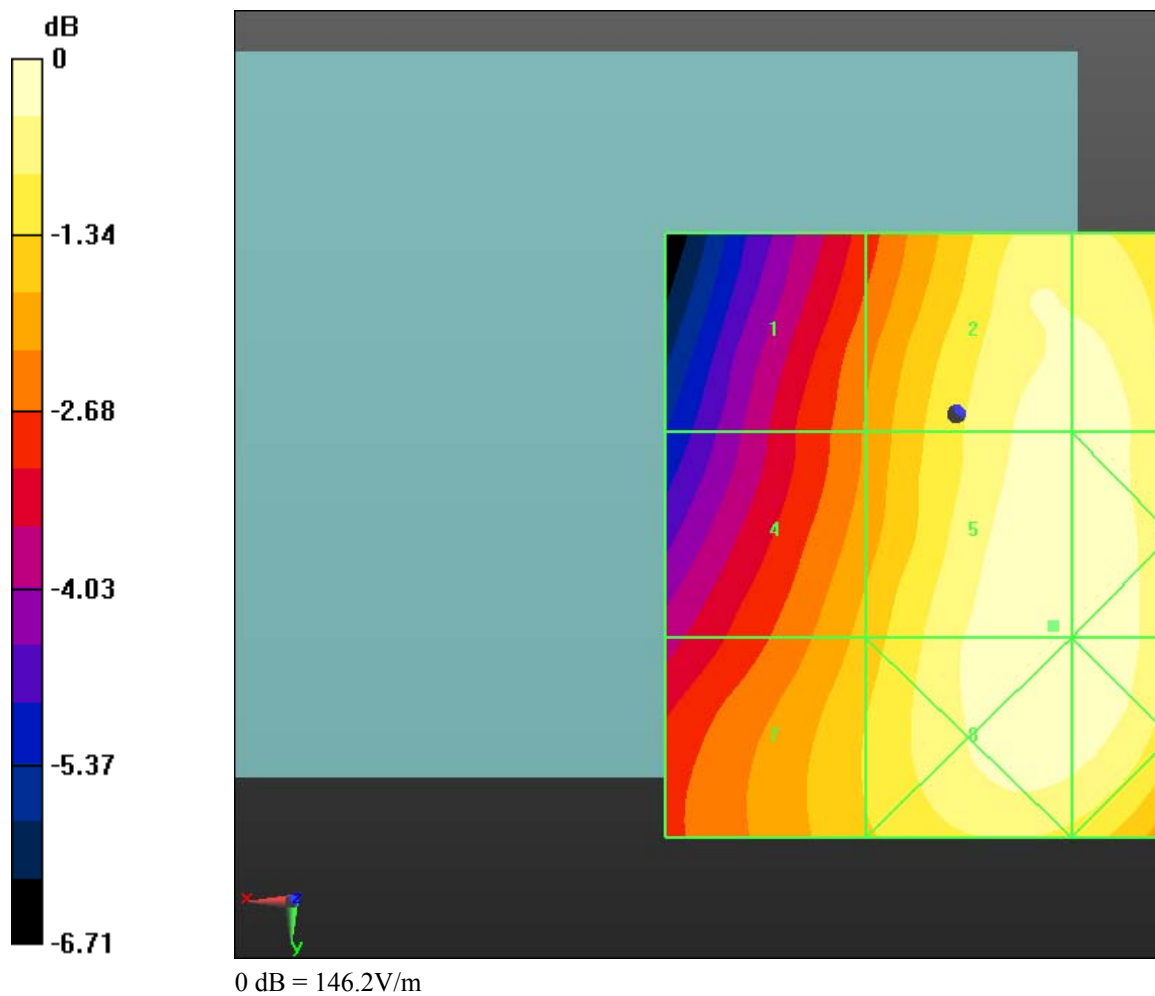
Hearing Aid Near-Field Category: M4 (AWF -5 dB)


Peak E-field in V/m

Grid 1 113.7 M4	Grid 2 142.8 M4	Grid 3 142.8 M4
Grid 4 121.6 M4	Grid 5 146.2 M4	Grid 6 145.8 M4
Grid 7 125.8 M4	Grid 8 146.1 M4	Grid 9 145.8 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 97 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 98 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 7:37:46 PM, Date/Time: 10/20/2011 7:48:00 PM, Date/Time:
10/20/2011 7:52:22 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_GSM1900_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 1900; Frequency: 1850.2 MHz, Frequency: 1880 MHz,
Frequency: 1909.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device, Low Ch./Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 45.793 V/m

Probe Modulation Factor = 2.970


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.445 V/m; Power Drift = 0.11 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 43.688 M4	Grid 2 57.739 M3	Grid 3 57.747 M3
Grid 4 22.030 M4	Grid 5 30.578 M4	Grid 6 31.964 M4

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		99 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 37.412 M4	Grid 8 45.793 M4	Grid 9 45.793 M4
----------------------------	----------------------------	----------------------------

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, Mid Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 47.296 V/m

Probe Modulation Factor = 2.970

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.244 V/m; Power Drift = -0.10 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 41.093 M4	Grid 2 61.348 M3	Grid 3 61.987 M3
Grid 4 21.109 M4	Grid 5 34.355 M4	Grid 6 37.119 M4
Grid 7 38.825 M4	Grid 8 47.296 M4	Grid 9 47.145 M4

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, High Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 40.224 V/m

Probe Modulation Factor = 2.970


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.507 V/m; Power Drift = -0.0039 dB

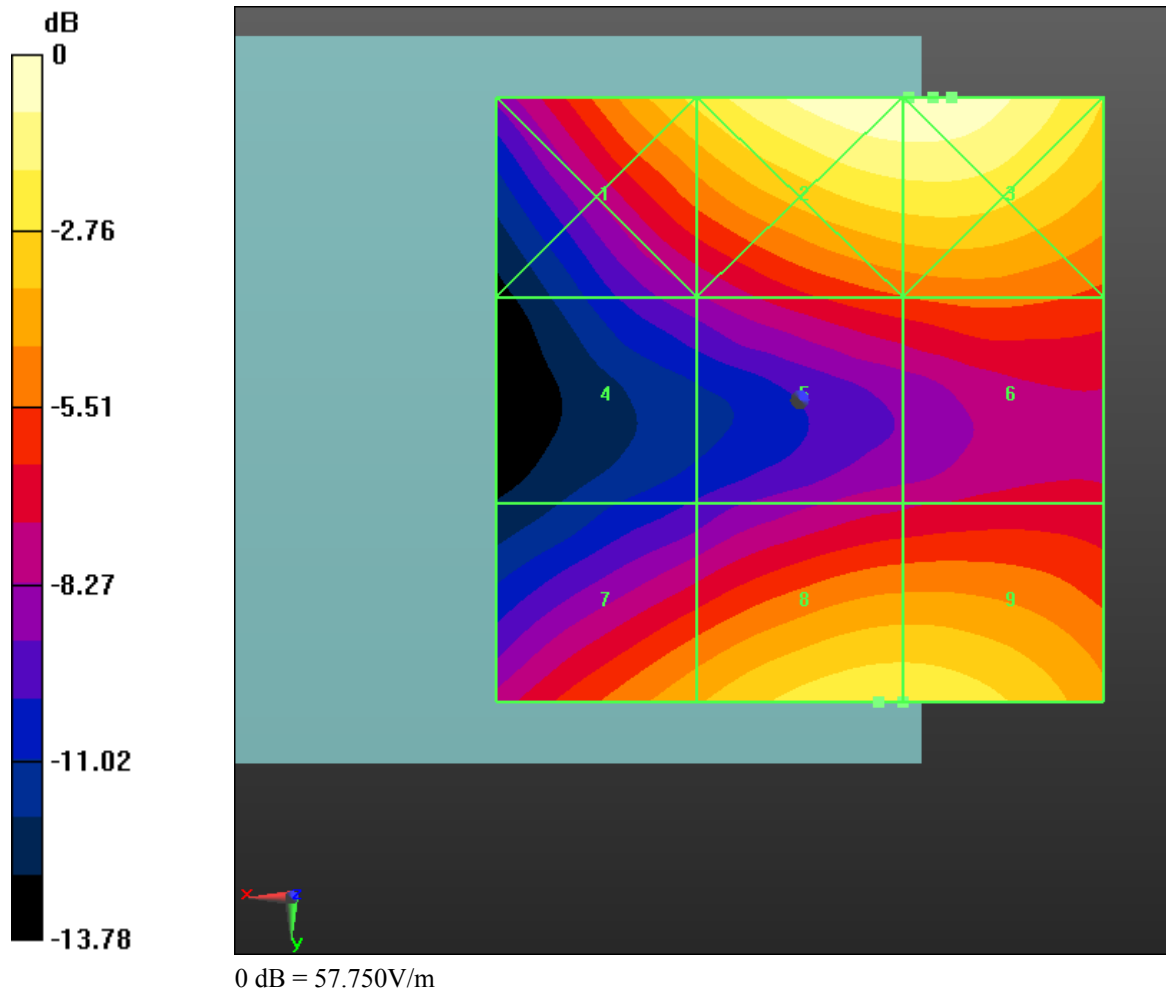
Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak E-field in V/m

Grid 1 36.433 M4	Grid 2 58.847 M3	Grid 3 60.565 M3
Grid 4 18.778 M4	Grid 5 34.116 M4	Grid 6 37.751 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 100 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 33.913 M4	Grid 8 40.224 M4	Grid 9 40.115 M4
----------------------------	----------------------------	----------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 101 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 7:59:43 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_GSM1900_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 1900; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 46.975 V/m

Probe Modulation Factor = 2.970

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.921 V/m; Power Drift = 0.17 dB

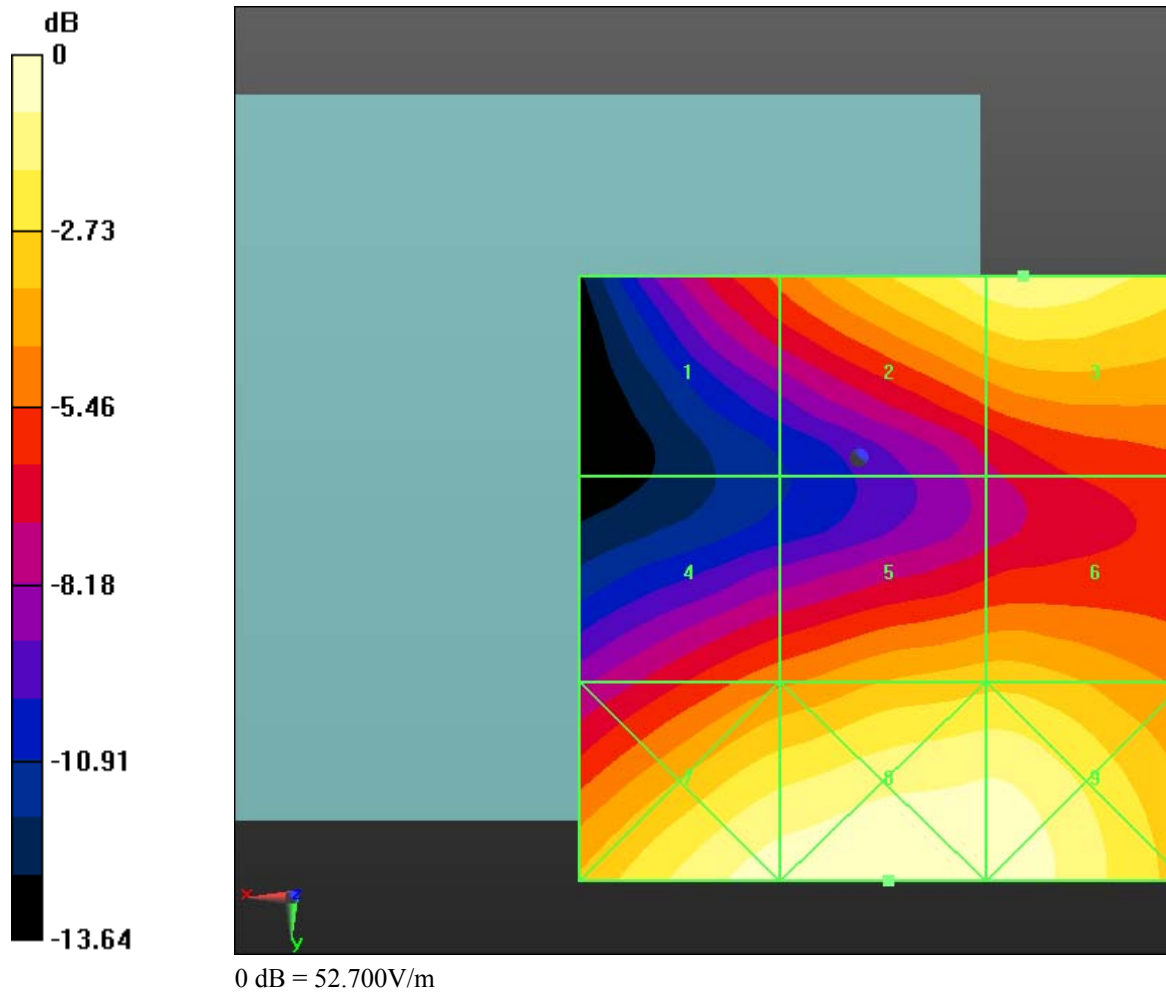
Hearing Aid Near-Field Category: M4 (AWF -5 dB)


Peak E-field in V/m

Grid 1 29.270 M4	Grid 2 45.700 M4	Grid 3 46.975 M4
Grid 4 30.515 M4	Grid 5 37.143 M4	Grid 6 37.243 M4
Grid 7 50.593 M3	Grid 8 52.704 M3	Grid 9 51.762 M3

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 102 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 103 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 8:54:56 PM, Date/Time: 10/20/2011 9:02:42 PM, Date/Time:
10/20/2011 8:48:18 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_UMTS_Band_V_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD V; Frequency: 826.4 MHz, Frequency: 836.4 MHz,
Frequency: 846.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device, Low Ch./Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 53.878 V/m

Probe Modulation Factor = 1.010

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 58.638 V/m; Power Drift = 0.18 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 41.457 M4	Grid 2 50.804 M4	Grid 3 50.818 M4
Grid 4 44.412 M4	Grid 5 53.878 M4	Grid 6 53.878 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 104 (132)
	Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 48.604 M4	Grid 8 55.089 M4	Grid 9 54.999 M4
----------------------------	----------------------------	----------------------------

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, Mid Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 59.110 V/m

Probe Modulation Factor = 1.010

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 64.503 V/m; Power Drift = -0.04 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 42.484 M4	Grid 2 54.728 M4	Grid 3 54.922 M4
Grid 4 46.908 M4	Grid 5 59.110 M4	Grid 6 59.164 M4
Grid 7 52.984 M4	Grid 8 61.232 M4	Grid 9 61.232 M4

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, High Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 63.978 V/m

Probe Modulation Factor = 1.010

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 69.642 V/m; Power Drift = 0.07 dB

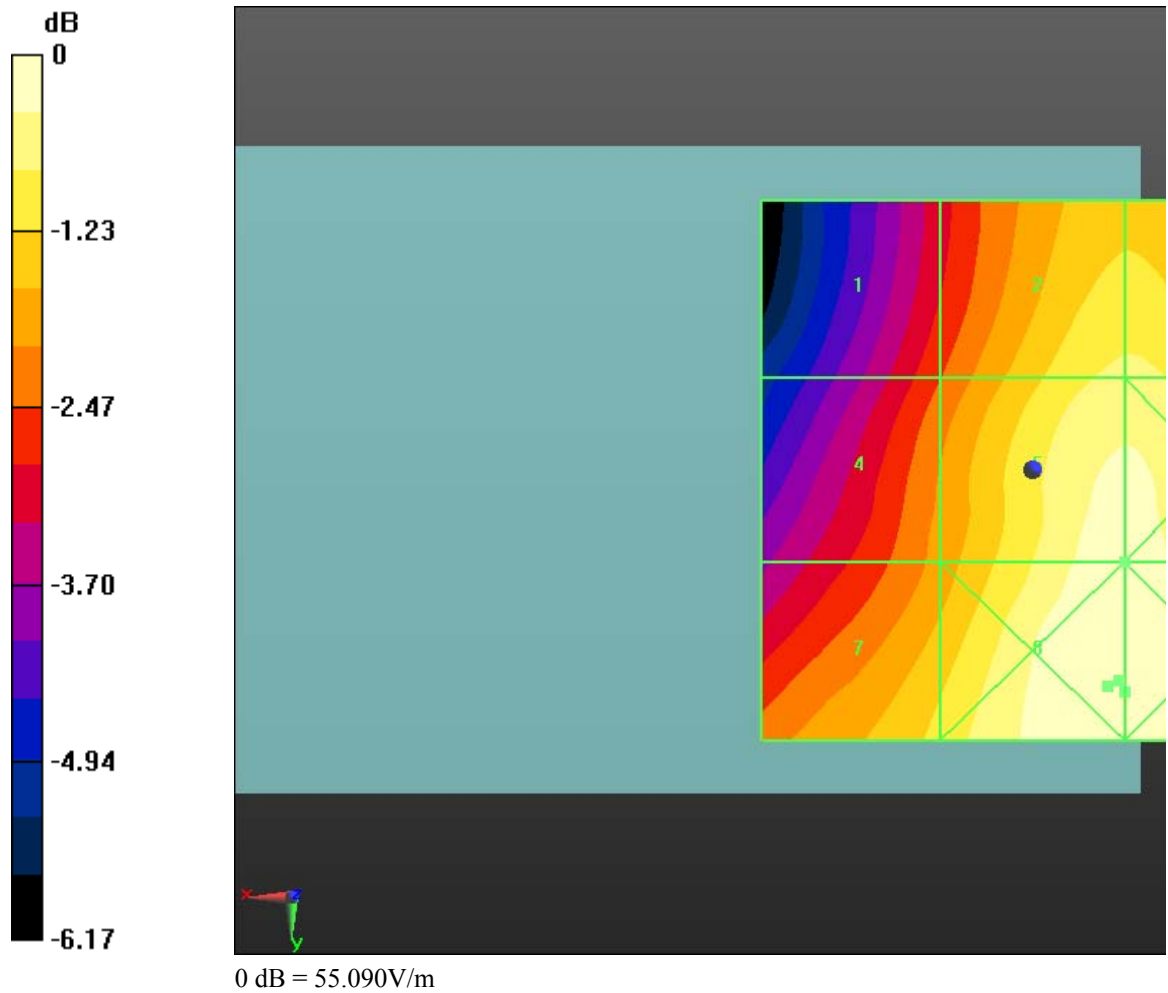
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


Peak E-field in V/m

Grid 1 46.952 M4	Grid 2 60.561 M4	Grid 3 60.639 M4
Grid 4 50.951 M4	Grid 5 63.978 M4	Grid 6 63.983 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 105 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Grid 7 56.001 M4	Grid 8 65.457 M4	Grid 9 65.435 M4
----------------------------	----------------------------	----------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 106 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 9:09:27 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_UMTS_Band_V_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD V; Frequency: 846.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASYS2, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 64.375 V/m

Probe Modulation Factor = 1.010

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 69.999 V/m; Power Drift = -0.0074 dB

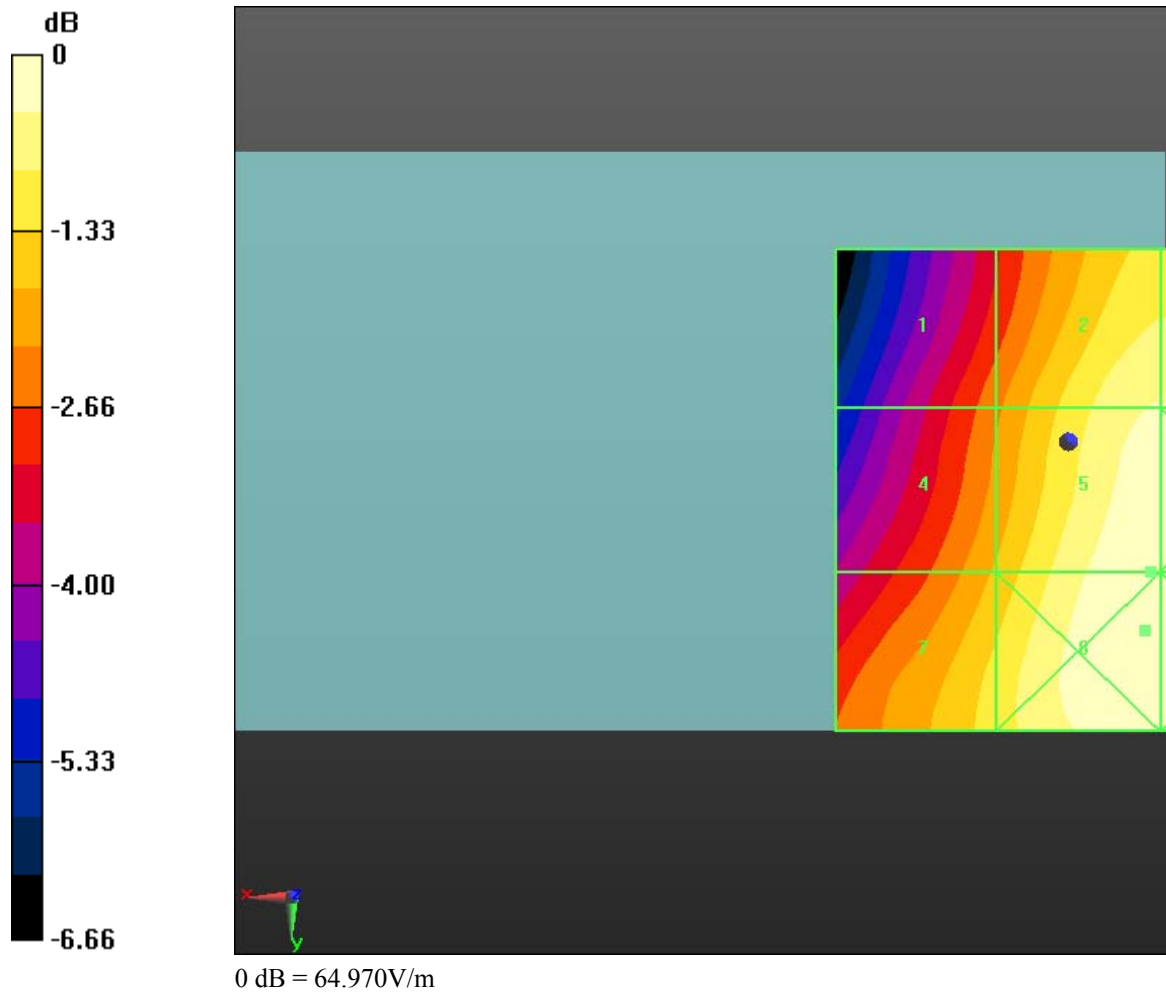
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


Peak E-field in V/m

Grid 1 49.759 M4	Grid 2 61.932 M4	Grid 3 61.932 M4
Grid 4 53.436 M4	Grid 5 64.375 M4	Grid 6 64.331 M4
Grid 7 57.151 M4	Grid 8 64.966 M4	Grid 9 64.845 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 107 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 108 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 9:47:24 PM, Date/Time: 10/20/2011 9:53:31 PM, Date/Time:
10/20/2011 9:57:53 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_UMTS_Band_II_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz, Frequency: 1880 MHz,
Frequency: 1907.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device, Low Ch./Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 23.047 V/m

Probe Modulation Factor = 1.120


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.716 V/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 24.647 M4	Grid 2 32.938 M4	Grid 3 32.966 M4
Grid 4 12.726 M4	Grid 5 17.432 M4	Grid 6 18.126 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 109 (132)
	Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 19.235 M4	Grid 8 23.047 M4	Grid 9 23.040 M4
----------------------------	----------------------------	----------------------------

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, Mid Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 26.777 V/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.739 V/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak E-field in V/m

Grid 1 23.346 M4	Grid 2 35.458 M4	Grid 3 35.834 M4
Grid 4 11.860 M4	Grid 5 20.102 M4	Grid 6 21.885 M4
Grid 7 21.493 M4	Grid 8 26.777 M4	Grid 9 26.745 M4

**Device E-Field measurement with ER probe/E Scan - ER3D - 2007:
15 mm from Probe Center to the Device, High Ch./Hearing Aid**

Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 23.270 V/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 7.140 V/m; Power Drift = -0.15 dB

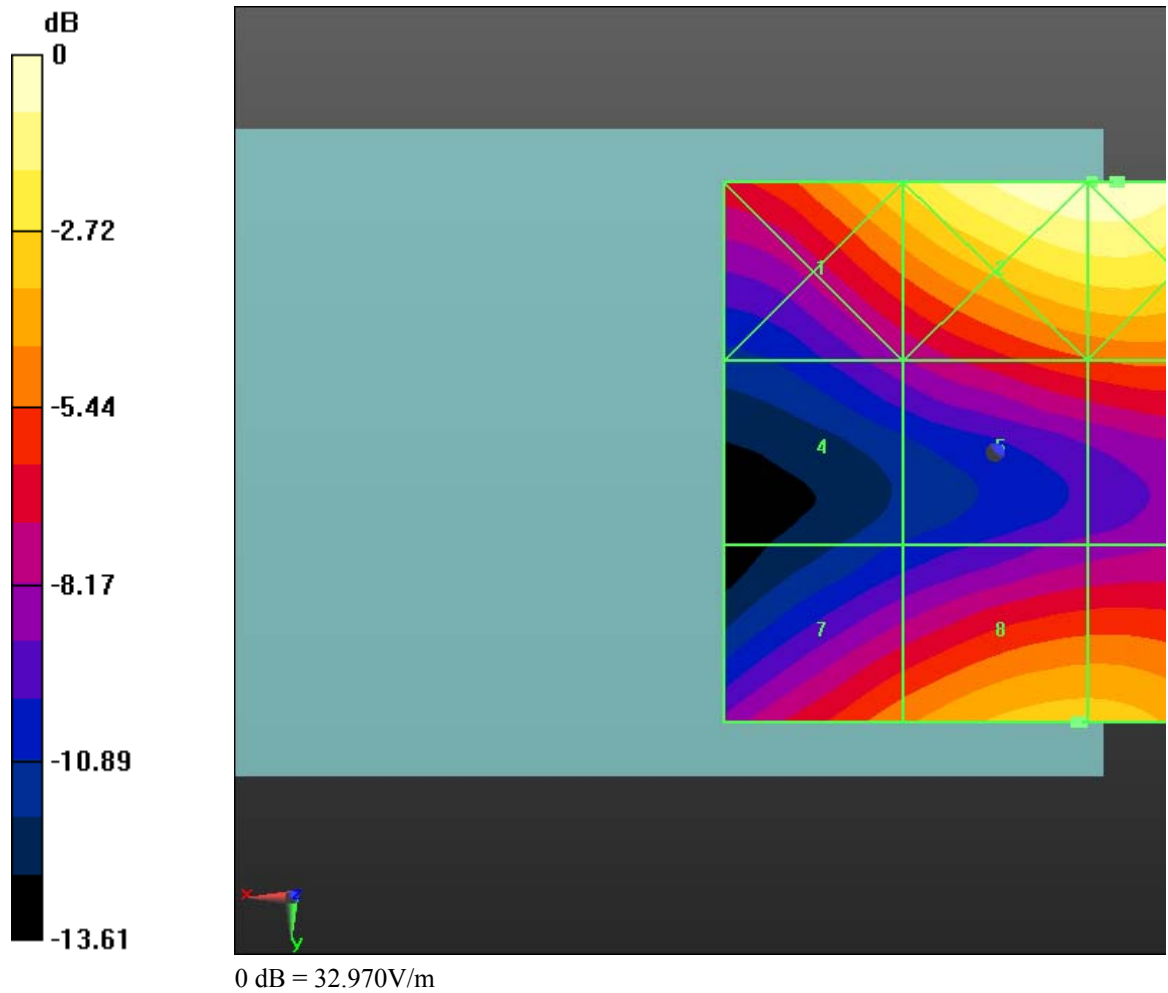
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


Peak E-field in V/m

Grid 1 20.686 M4	Grid 2 30.416 M4	Grid 3 30.748 M4
Grid 4 10.072 M4	Grid 5 16.935 M4	Grid 6 19.125 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 110 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Grid 7 18.988 M4	Grid 8 23.270 M4	Grid 9 23.230 M4
----------------------------	----------------------------	----------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 111 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 10:03:42 PM

Test Laboratory: RIM Testing Services

HAC RF_E-Field_UMTS_Band_II_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ER3DV6 - SN2286; ConvF(1, 1, 1); Calibrated: 1/14/2011
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device E-Field measurement with ER probe/E Scan - ER3D - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 28.621 V/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 7.873 V/m; Power Drift = 0.17 dB

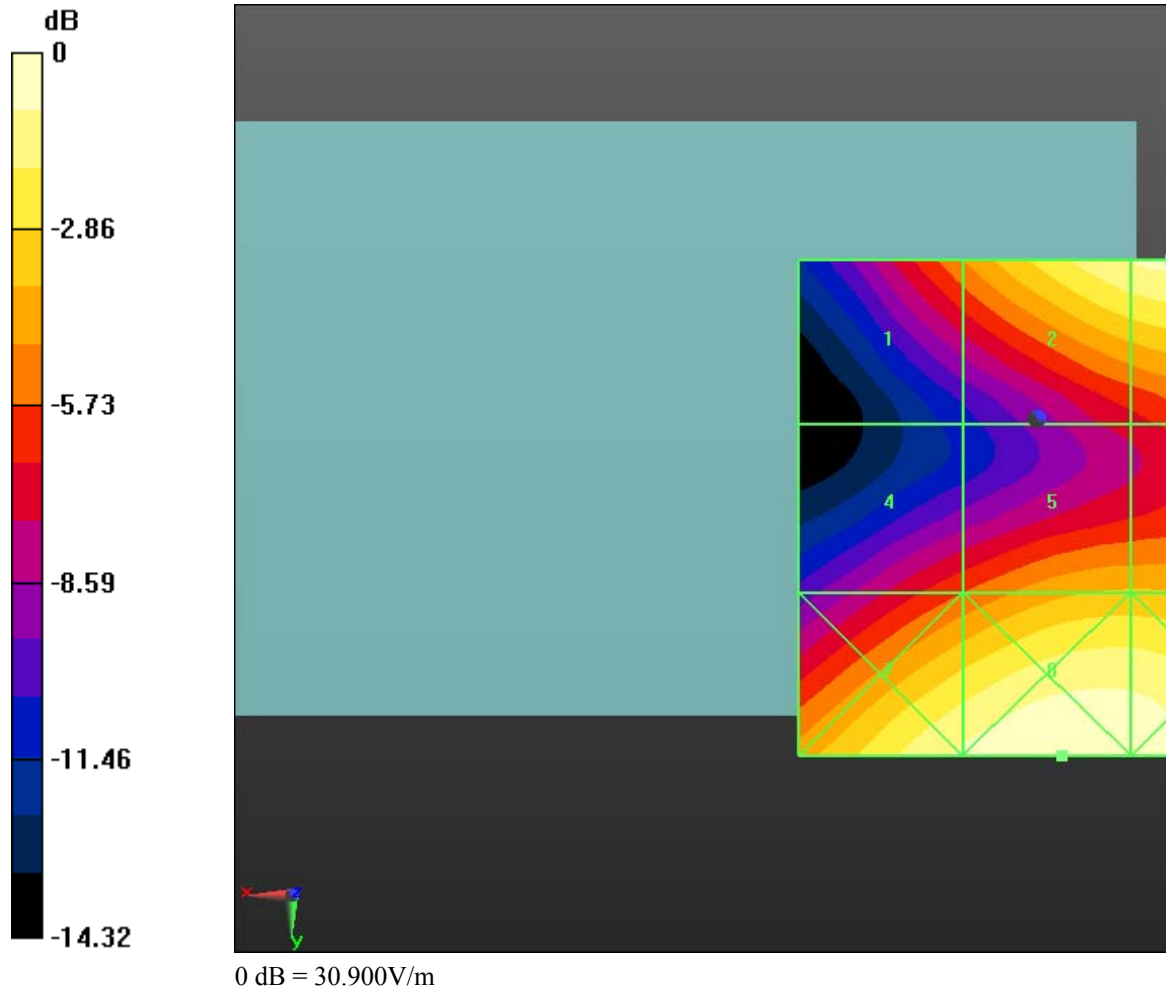
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


Peak E-field in V/m

Grid 1 17.818 M4	Grid 2 27.877 M4	Grid 3 28.621 M4
Grid 4 15.949 M4	Grid 5 20.212 M4	Grid 6 20.215 M4
Grid 7 28.225 M4	Grid 8 30.903 M4	Grid 9 30.028 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 112 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 113 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 11:32:58 PM, Date/Time: 10/20/2011 11:38:09 PM, Date/Time: 10/20/2011 11:42:17 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_GSM850_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 850; Frequency: 824.2 MHz, Frequency: 836.8 MHz, Frequency: 848.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Low Ch/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.283 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.045 A/m; Power Drift = -0.09 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.283 M4	Grid 2 0.202 M4	Grid 3 0.131 M4
Grid 4 0.245 M4	Grid 5 0.169 M4	Grid 6 0.110 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		114 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.248 M4	Grid 8 0.174 M4	Grid 9 0.105 M4
---------------------------	---------------------------	---------------------------

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Mid Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.310 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.057 A/m; Power Drift = 0.10 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.310 M4	Grid 2 0.234 M4	Grid 3 0.164 M4
Grid 4 0.276 M4	Grid 5 0.203 M4	Grid 6 0.146 M4
Grid 7 0.285 M4	Grid 8 0.209 M4	Grid 9 0.132 M4

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, High Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.337 A/m

Probe Modulation Factor = 2.870


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.063 A/m; Power Drift = -0.06 dB

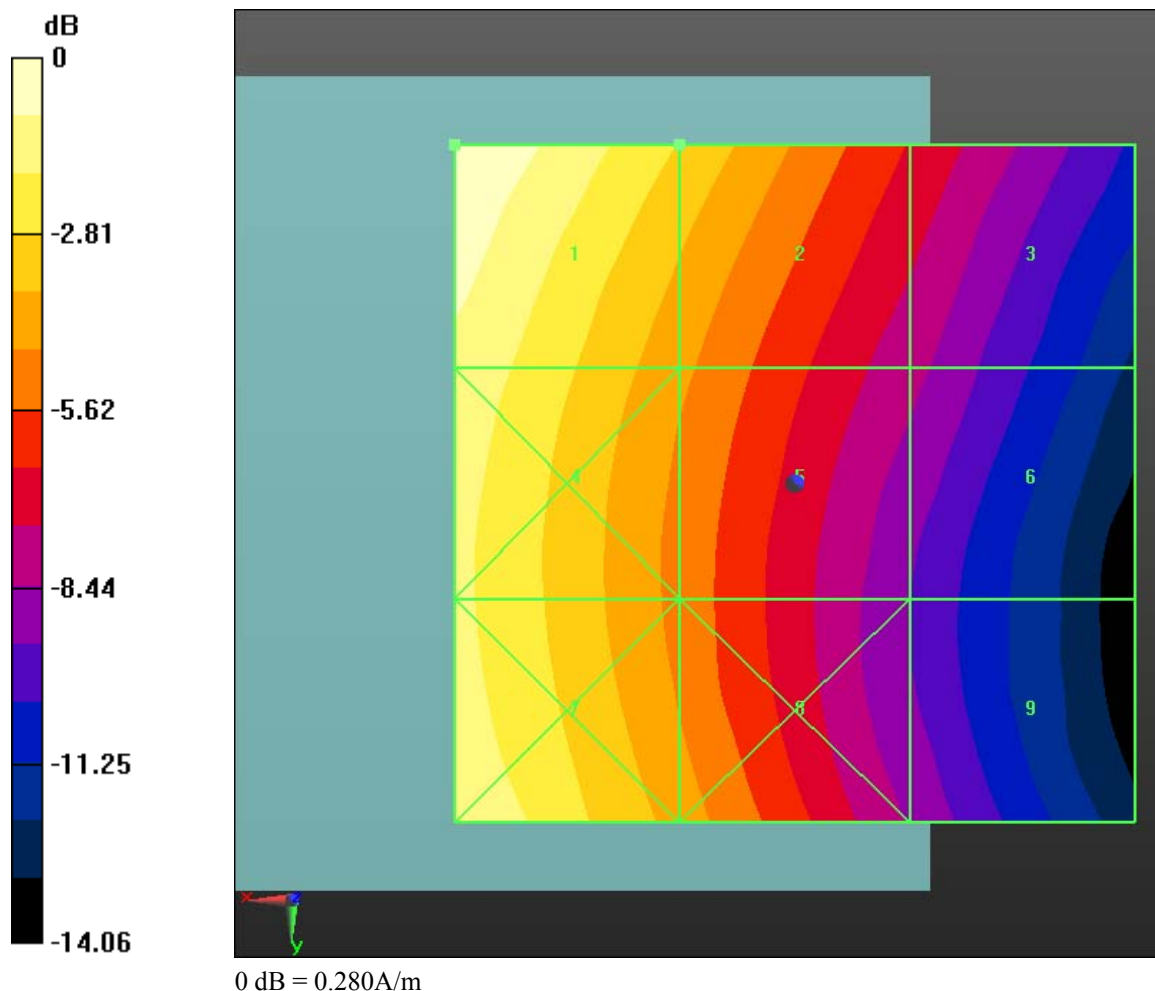
Hearing Aid Near-Field Category: M4 (AWF -5 dB)


Peak H-field in A/m

Grid 1 0.337 M4	Grid 2 0.255 M4	Grid 3 0.174 M4
Grid 4 0.301 M4	Grid 5 0.225 M4	Grid 6 0.152 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 115 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.325 M4	Grid 8 0.242 M4	Grid 9 0.161 M4
---------------------------	---------------------------	---------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 116 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/20/2011 11:47:00 PM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_GSM850_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 850; Frequency: 848.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.303 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.062 A/m; Power Drift = 0.09 dB

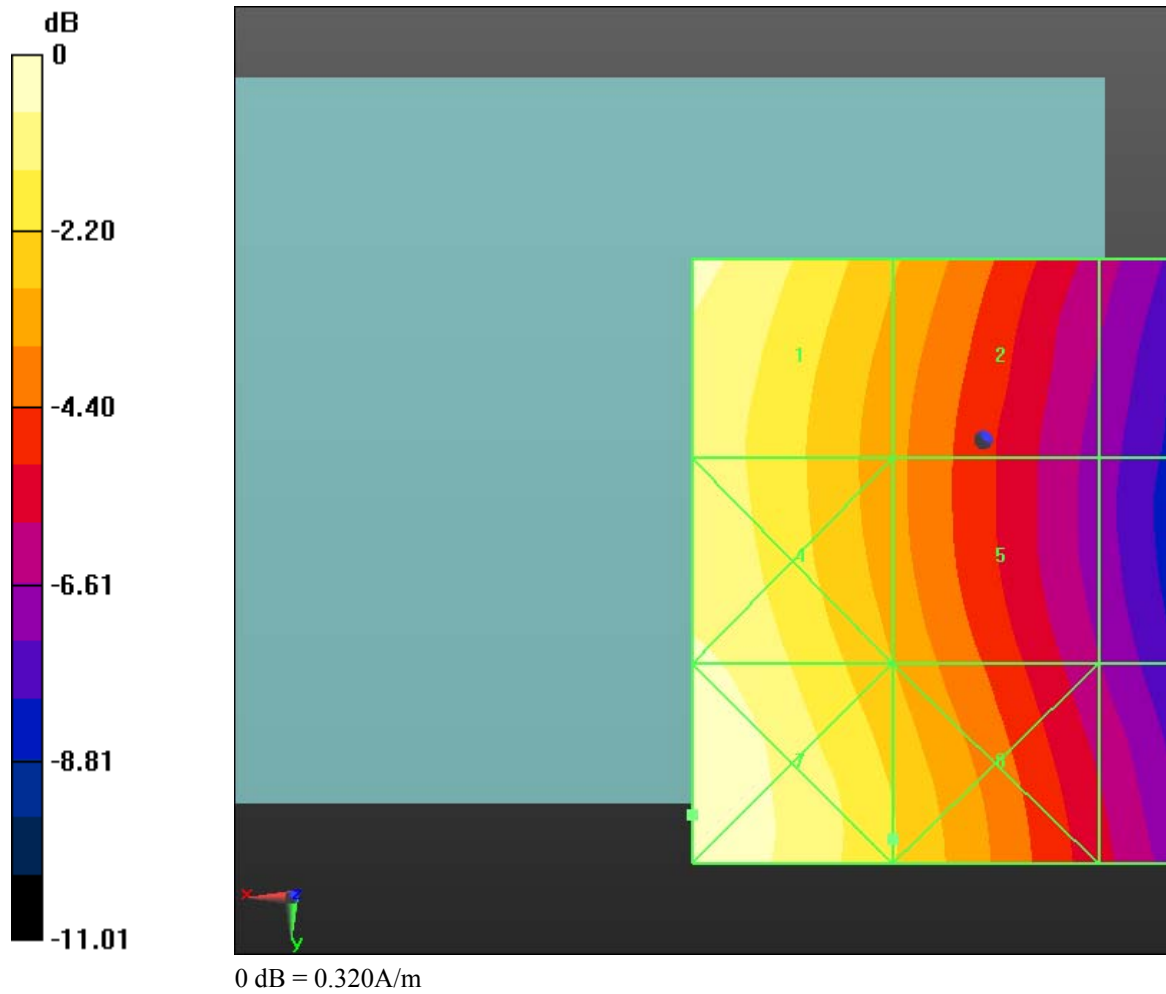
Hearing Aid Near-Field Category: M4 (AWF -5 dB)


Peak H-field in A/m

Grid 1 0.303 M4	Grid 2 0.232 M4	Grid 3 0.157 M4
Grid 4 0.300 M4	Grid 5 0.229 M4	Grid 6 0.151 M4
Grid 7 0.324 M4	Grid 8 0.250 M4	Grid 9 0.169 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 117 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 118 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 12:24:35 AM, Date/Time: 10/21/2011 12:28:45 AM, Date/Time:
10/21/2011 12:34:06 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_GSM1900_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 1900; Frequency: 1850.2 MHz, Frequency: 1880 MHz,
Frequency: 1909.8 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Low Ch/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.128 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.043 A/m; Power Drift = 0.14 dB

Hearing Aid Near-Field Category: M4 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.151 M3	Grid 2 0.124 M4	Grid 3 0.124 M4
Grid 4 0.089 M4	Grid 5 0.127 M4	Grid 6 0.128 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		119 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.111 M4	Grid 8 0.122 M4	Grid 9 0.122 M4
---------------------------	---------------------------	---------------------------

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Mid Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.148 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.047 A/m; Power Drift = 0.08 dB

Hearing Aid Near-Field Category: M3 (AWF -5 dB)

Peak H-field in A/m

Grid 1 0.145 M3	Grid 2 0.139 M4	Grid 3 0.142 M3
Grid 4 0.091 M4	Grid 5 0.144 M3	Grid 6 0.148 M3
Grid 7 0.102 M4	Grid 8 0.140 M3	Grid 9 0.144 M3

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, High Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.147 A/m

Probe Modulation Factor = 2.870


Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.050 A/m; Power Drift = -0.15 dB

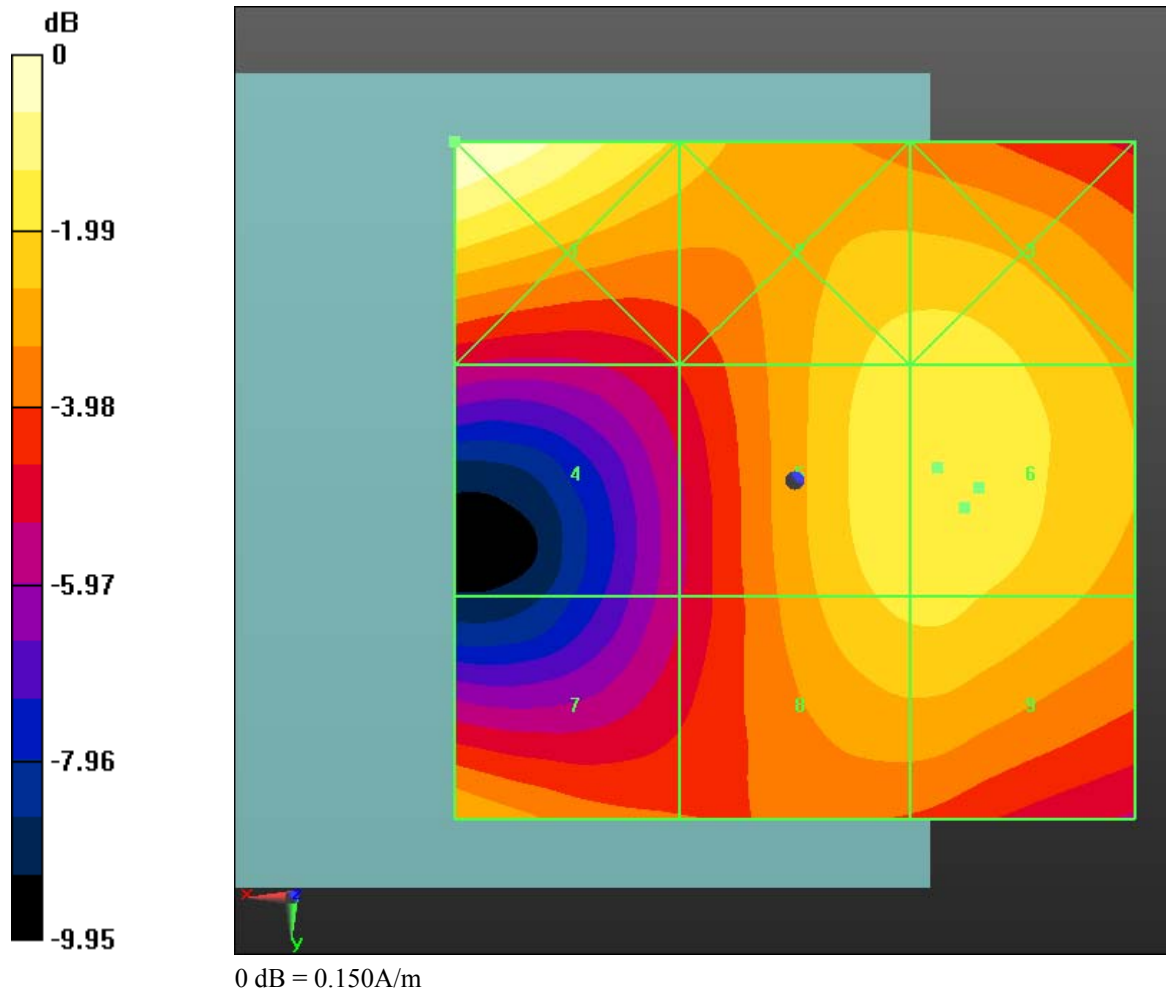
Hearing Aid Near-Field Category: M3 (AWF -5 dB)


Peak H-field in A/m

Grid 1 0.146 M3	Grid 2 0.139 M4	Grid 3 0.141 M3
Grid 4 0.099 M4	Grid 5 0.145 M3	Grid 6 0.147 M3

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 120 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.106 M4	Grid 8 0.141 M3	Grid 9 0.143 M3
---------------------------	---------------------------	---------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 121 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 12:51:20 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_GSM1900_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: GSM 1900; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.148 A/m

Probe Modulation Factor = 2.870

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.048 A/m; Power Drift = 0.19 dB

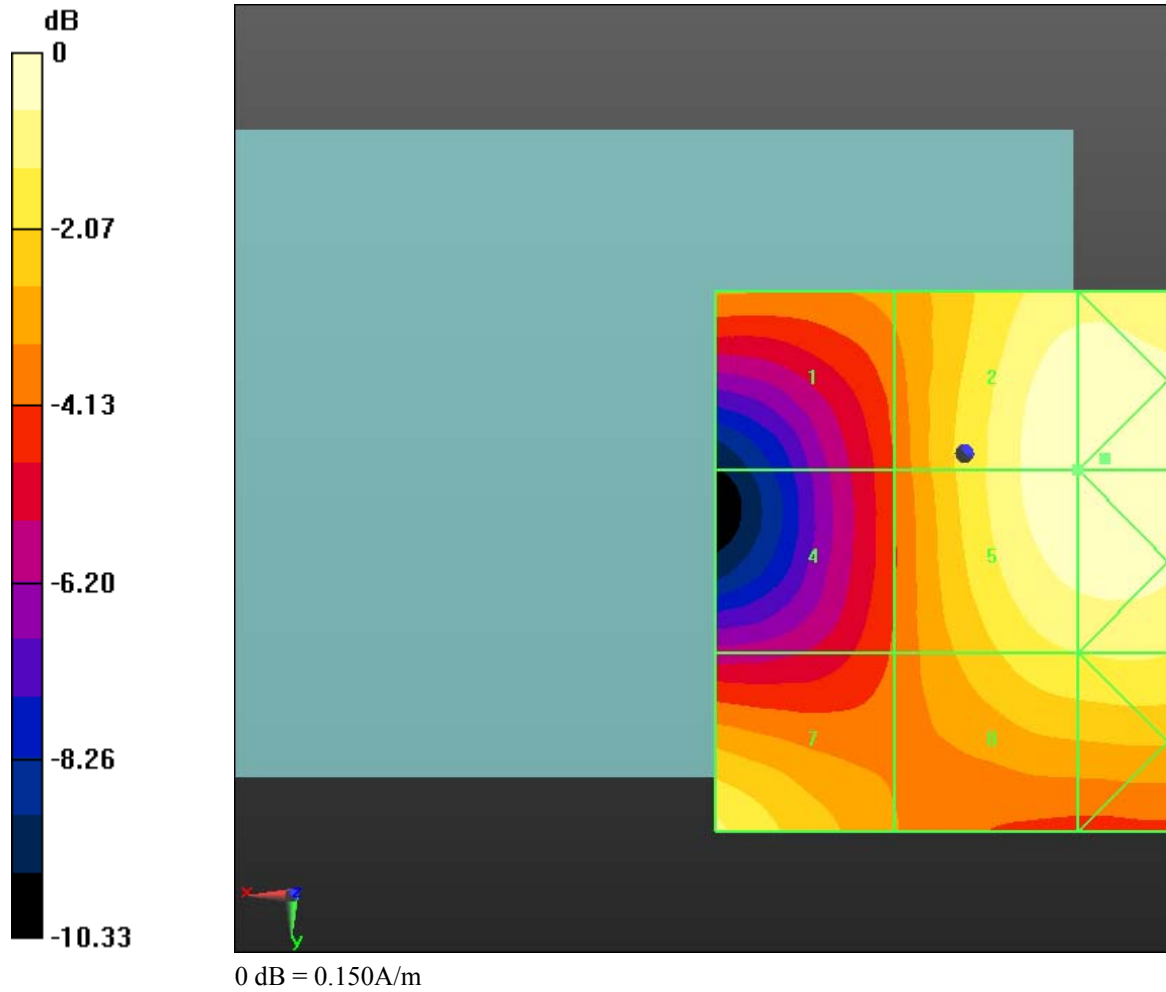
Hearing Aid Near-Field Category: M3 (AWF -5 dB)


Peak H-field in A/m

Grid 1 0.105 M4	Grid 2 0.148 M3	Grid 3 0.149 M3
Grid 4 0.095 M4	Grid 5 0.148 M3	Grid 6 0.149 M3
Grid 7 0.131 M4	Grid 8 0.128 M4	Grid 9 0.129 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 122 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 123 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 1:01:48 AM, Date/Time: 10/21/2011 1:05:21 AM, Date/Time:
10/21/2011 1:09:03 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_UMTS_Band_V_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD V; Frequency: 826.4 MHz, Frequency: 836.4 MHz,
Frequency: 846.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Low Ch/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.116 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.056 A/m; Power Drift = -0.09 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.116 M4	Grid 2 0.084 M4	Grid 3 0.057 M4
Grid 4 0.101 M4	Grid 5 0.072 M4	Grid 6 0.048 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		124 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.103 M4	Grid 8 0.073 M4	Grid 9 0.044 M4
---------------------------	---------------------------	---------------------------

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Mid Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.122 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.066 A/m; Power Drift = 0.04 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.122 M4	Grid 2 0.095 M4	Grid 3 0.066 M4
Grid 4 0.110 M4	Grid 5 0.082 M4	Grid 6 0.057 M4
Grid 7 0.114 M4	Grid 8 0.084 M4	Grid 9 0.052 M4

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, High Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.139 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.076 A/m; Power Drift = 0.05 dB

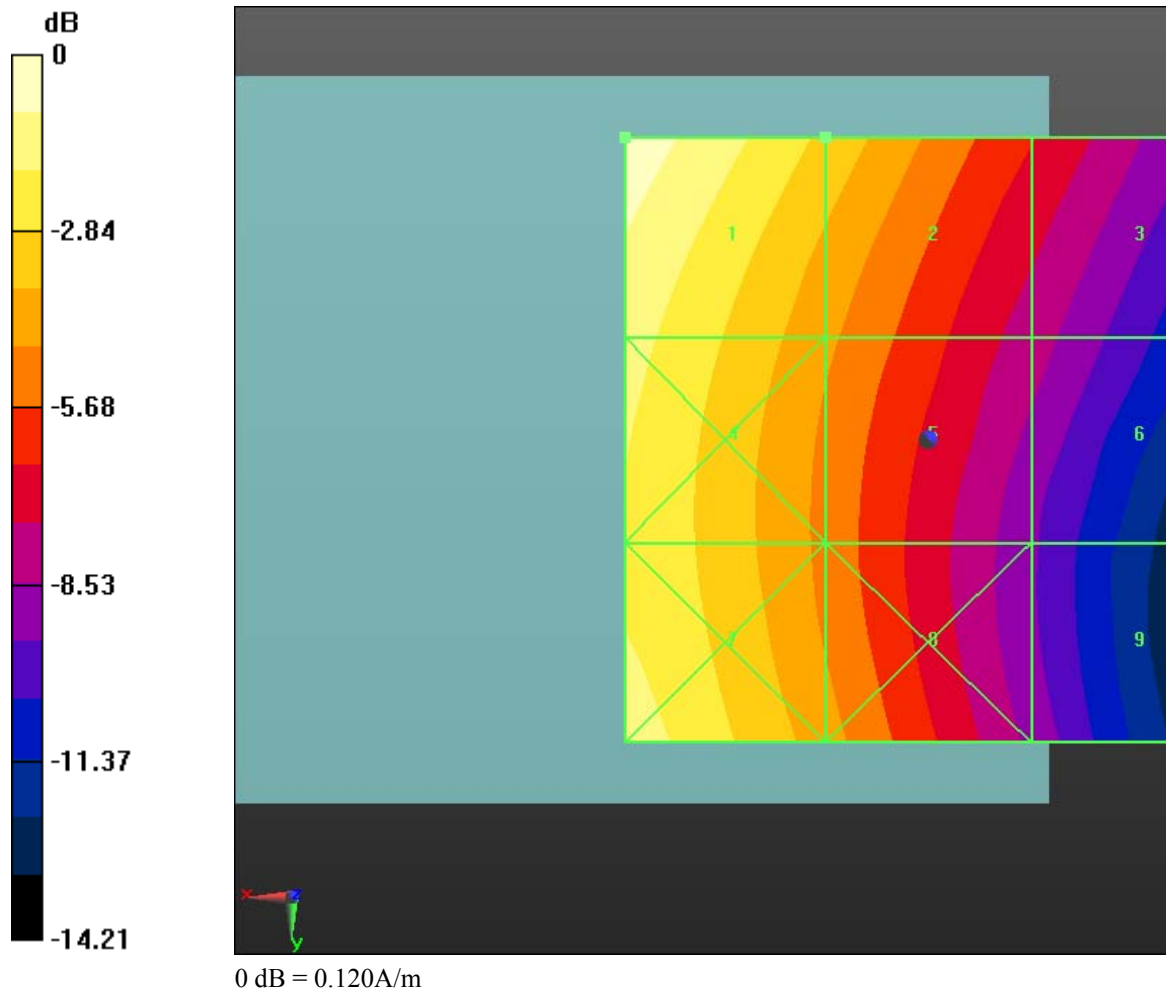
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.139 M4	Grid 2 0.108 M4	Grid 3 0.073 M4
Grid 4 0.125 M4	Grid 5 0.095 M4	Grid 6 0.065 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 125 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

Grid 7 0.134 M4	Grid 8 0.102 M4	Grid 9 0.065 M4
---------------------------	---------------------------	---------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 126 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 1:14:50 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_UMTS_Band_V_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD V; Frequency: 846.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.127 A/m

Probe Modulation Factor = 0.990

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.077 A/m; Power Drift = -0.07 dB

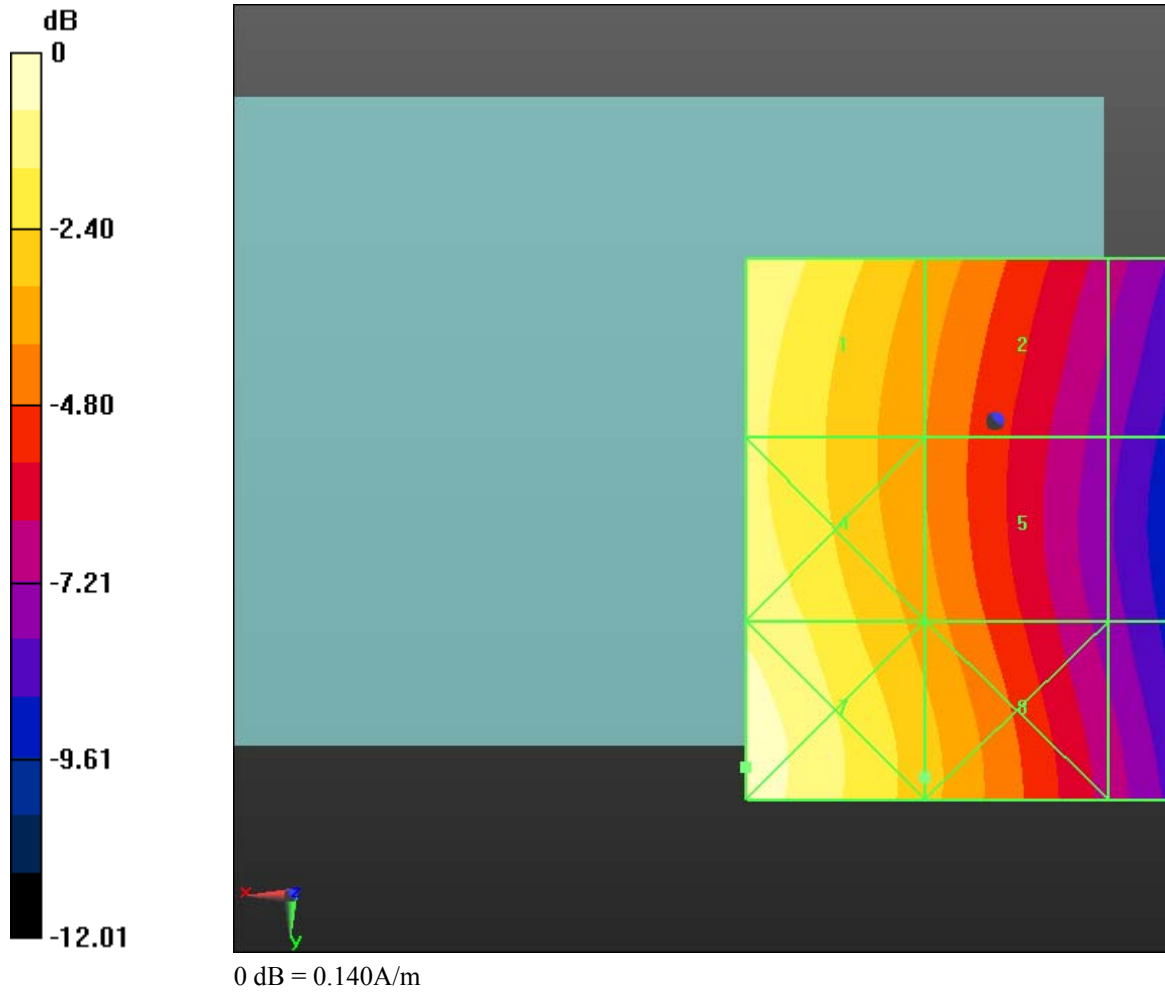
Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.127 M4	Grid 2 0.095 M4	Grid 3 0.064 M4
Grid 4 0.126 M4	Grid 5 0.093 M4	Grid 6 0.059 M4
Grid 7 0.135 M4	Grid 8 0.101 M4	Grid 9 0.065 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 127 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 128 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 1:23:32 AM, Date/Time: 10/21/2011 1:27:10 AM, Date/Time:
10/21/2011 1:31:37 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_UMTS_Band_II_Speaker

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz, Frequency: 1880 MHz,
Frequency: 1907.6 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Low Ch/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.077 A/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm


Reference Value = 0.063 A/m; Power Drift = 0.09 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.095 M4	Grid 2 0.075 M4	Grid 3 0.076 M4
Grid 4 0.055 M4	Grid 5 0.075 M4	Grid 6 0.077 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document		Page
	Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		129 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.057 M4	Grid 8 0.071 M4	Grid 9 0.072 M4
---------------------------	---------------------------	---------------------------

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, Mid Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.085 A/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.071 A/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.091 M4	Grid 2 0.081 M4	Grid 3 0.082 M4
Grid 4 0.055 M4	Grid 5 0.084 M4	Grid 6 0.085 M4
Grid 7 0.065 M4	Grid 8 0.082 M4	Grid 9 0.083 M4

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device, High Ch/Hearing Aid Compatibility Test (101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.085 A/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.072 A/m; Power Drift = 0.20 dB

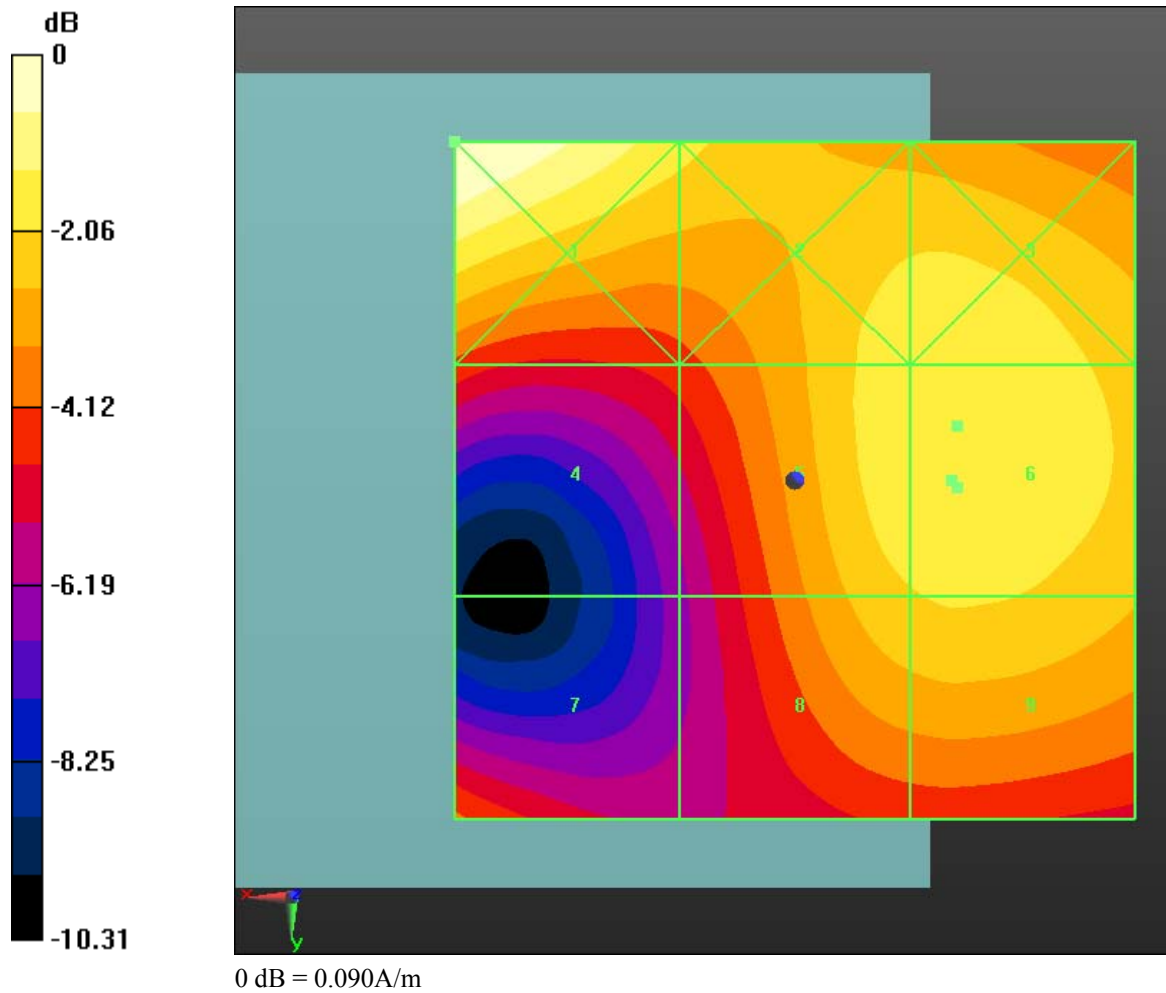
Hearing Aid Near-Field Category: M4 (AWF 0 dB)


Peak H-field in A/m

Grid 1 0.084 M4	Grid 2 0.082 M4	Grid 3 0.083 M4
Grid 4 0.056 M4	Grid 5 0.084 M4	Grid 6 0.085 M4

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 130 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Grid 7 0.068 M4	Grid 8 0.081 M4	Grid 9 0.082 M4
---------------------------	---------------------------	---------------------------



	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW		Page 131 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW

Date/Time: 10/21/2011 1:39:51 AM

Test Laboratory: RIM Testing Services

HAC RF_H-Field_UMTS_Band_II_Telecoil

DUT: BlackBerry Smartphone; Type: Sample

Communication System: WCDMA FDD II; Frequency: 1880 MHz

Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: H3DV6 - SN6105; ; Calibrated: 11/18/2010
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: HAC RF Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Device H-Field measurement with H3DV6 probe/H Scan - H3DV6 - 2007: 15 mm from Probe Center to the Device_Telecoil/Hearing Aid Compatibility Test

(101x101x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of peak Total field = 0.084 A/m

Probe Modulation Factor = 1.120

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 0.070 A/m; Power Drift = -0.02 dB

Hearing Aid Near-Field Category: M4 (AWF 0 dB)

Peak H-field in A/m

Grid 1 0.066 M4	Grid 2 0.084 M4	Grid 3 0.086 M4
Grid 4 0.053 M4	Grid 5 0.084 M4	Grid 6 0.086 M4
Grid 7 0.081 M4	Grid 8 0.074 M4	Grid 9 0.075 M4

This report shall NOT be reproduced except in full without the written consent of RIM Testing Services
Copyright 2005-2011, RIM Testing Services, a division of Research In Motion Limited

	Document Annex A to Hearing Aid Compatibility RF Emissions Test Report for the BlackBerry® Smartphone model REQ71UW			Page 132 (132)
Author Data Daoud Attayi	Dates of Test Feb. 28, Mar. 22-23, Oct. 20-21, 2011	Report No RTS-5955-1110-80	FCC ID L6AREQ70UW	

