EMI Test Report

Tested in accordance with
Federal Communications Commission (FCC)
Personal Communications Services
CFR 47, Parts 15, Subpart B
&
Industry Canada (IC), ICES-003

A division of Research In Motion Limited

REPORT NO.: RTS-2671-1005-31

PRODUCT MODEL NO.: RDA71UW
TYPE NAME: BlackBerry® smartphone
FCC ID: L6ARDA70UW
IC: 2503A-RDA70UW

DATE: June 03, 2010

Statement of Performance:

The BlackBerry® smartphone, model RDA71UW, part number CER-30953-001 Rev. 2 and accessories when configured and operated per RIM's operation instructions, and performs within the requirements of the test standards.

Declaration:

We hereby certify that:
The test data reported herein is an accurate record of the performance of the sample(s) tested.
The test results are valid for the tested unit (s) only.
The test equipment used was suitable for the tests performed and within manufacturer's published specifications and operating parameters.
The test methods were consistent with the methods described in the relevant standards.

Documented by:

Steven Wang
Regulatory Compliance Associate
Date: June 03, 2010

Reviewed by:

Michael Cino
Regulatory Compliance Associate
Date: June 03, 2010

Reviewed and Approved by:

Masud S. Attayi, P.Eng.
Manager, Regulatory Compliance
Date: June 03, 2010

Table of Contents

A. Scope

This report details the results of compliance tests that were performed in accordance with the requirements of:

- FCC CFR 47 Part 15, Subpart B, October 01, 2009 Class B Digital Devices, Unintentional Radiators
- IC ICES-003 Issue 4, February 2004, Class B Digital Devices, Unintentional Radiators

B. Associated Documents

1) 9300_RDA71UW_HW_Declaration_CER-30953_Rev2

C. Product Identification

Manufactured by Research In Motion Limited whose headquarters is located at:

295 Phillip Street
Waterloo, Ontario
Canada, N2L 3W8
Phone: 519 888 7465
Fax: 519 888 6906

The equipment under test (EUT) was tested at the following locations:

RIM Testing Services EMI test facilities

305 Phillip Street
Waterloo, Ontario
Canada, N2L 3W8
Phone: 519 888 7465
Fax: 519 888 6906

440 Phillip Street
Waterloo, Ontario
Canada, N2L 5R9
Phone: 519 888 7465
Fax: 519 888 6906

The testing was performed from April 19 to May 19, 2010.

The sample EUT included:

SAMPLE	MODEL	CER NUMBER	PIN	Software
1	RDA71UW	CER-30953-001 Rev 1	22163F06	V5.0.0.606 (Platform 6.3.0.1) Bundle 1019
2	RDA71UW	CER-30953-001 Rev 1	22163F44	V5.0.0.606 (Platform 6.3.0.1) Bundle 1019
3	RDA71UW	CER-30953-001 Rev 2	222B87D1	V5.0.0.606 (Platform 6.3.0.2) MFI 1041

AC conducted testing was performed on sample 1.
Radiated Emissions testing was performed on sample 2 and 3.

To view the differences between CER-30953-001 Rev. 1 and CER-30953-001 Rev. 2, see document 9300_RDA71UW_HW_Declaration_CER-30953_Rev2.

Only the characteristics that may have been impacted by the changes from Rev 1 to Rev 2 were retested.

BlackBerry® smartphone Accessories Tested

1) Folding Blade Charger, part number HDW-17955-001 with an output voltage of 5.0 volts dc, 700 mA and attached USB cable with a lead length of 1.80 metres.
2) Captive Cable Charger, part number HDW-17957-003 with an output voltage of 5.0 volts dc, 700 mA and attached USB cable with a lead length of 1.80 metres.
3) Fixed Blade Charger, part number HDW-24481-001, with an output voltage of 5.0 volts dc.
4) Alternate Fixed Blade Charger, part number HDW-24481-001 (Model Number: PSM04A-050QRIM-R), with an output voltage of 5.0 volts dc.
5) BlackBerry® Visor Mount(NA), part number HDW-23438-001.
6) BlackBerry® Remote Stereo Gateway, part number HDW-16007-001.
7) USB Y-Cable, part number HDW-19137-002, lead lengths of 26 cm and 11 cm.
8) Stereo Headset, part number HDW-14322-003 with a lead length of 1.3 metres.
9) Alternate Stereo Headset, part number HDW-24529-001, with a lead length of 1.1 metres.
10) Premium Stereo Headset, part number HDW-15766-005, 1.3 metres long.
11) USB Data Cable, part number HDW-06610-013, 0.30 metres long.
12) USB Data Cable, part number HDW-06610-009, 1.00 metre long.
13) USB Data Cable, part number HDW-06610-005, 1.50 metres long.
14) Alternate USB Cable, part number HDW-06610-009, model number AWM 2725, 1.5 metre long.
15) Bluetooth Headset, part number HDW-23439-001.

D. Support Equipment Used for the Testing of the EUT

1) IBM Thinkpad Lenovo T60p laptop, type 8742-C2U, product ID 8742C2U

E. Summary of Results

SPECIFICATION		TEST TYPE	Meets Requirement	Test Data APPENDIX
FCC CFR 47	IC			
Part 15, Subpart B	ICES-003	Conducted AC Line Emission	Yes	1
Part 15, Subpart B	ICES-003	Radiated Unintentional Spurious Emissions	Yes	2

a) AC CONDUCTED EMISSIONS

The conducted emissions were measured using the test procedure outlined in CISPR Recommendation 22 through a 50 Ohm Line Impedance Stabilization Network (LISN), which was inserted in the power line to the equipment to provide the specified impedance for measurements. The EUT was placed on a nonconductive wooden table, 80 cm high that was positioned 40 cm from a vertical ground plane. The RF output of the network was connected to an EMI receiver system with characteristics that duplicate those of the receiver specified in CISPR Publication 16.
BlackBerry® smartphone was in battery charging mode. The input voltage was 120 V, 60 Hz.

The following test configurations were measured:

Test Configuration	Operating Mode(s)	Charger + Accessories
1	GSM850 idle, Audio Playback	Folding Blade Charger + Stereo Headset
2	PCS1900 idle, Audio Playback	Fixed Blade Charger + 1.0m USB Cable + Premium Stereo Headset
3	UMTS Band 2 idle, Audio Playback, Bluetooth Tx (with headset)	Folding Blade Charger + Bluetooth Headset
4	UMTS Band 5 idle, Bluetooth Tx (with Visor Mount)	Fixed Blade Charger + 1.0m USB Cable + BlackBerry® Visor Mount
5	GSM850 idle, Audio Playback	Alternate Fixed Blade Charger + 1.0m USB Cable + Alternate Stereo Headset

The sample EUT's conducted emissions were compared with respect to the FCC CFR 47 Part 15, Subpart B, and IC ICES-003, Class B limit. The sample EUT had a worse case emission level of 41.10dBµV, margin of 14.90 dB below the QP limit at 1.824 MHz using the quasi-peak detector, in test configuration 3.

Measurement Uncertainty ±3.0 dB

To view the test data/plots, see APPENDIX 1.

b) RADIATED EMISSIONS

The radiated emissions from the EUT were measured using the methods outlined in CISPR Recommendation 22. The EUT was placed on a nonconductive styrofoam table, 80 cm high that was positioned on a remote controlled turntable. The test distance used between the EUT and the receiving antenna was three metres. The turntable was rotated to determine the azimuth of the peak emissions. Then the emissions were maximized by elevating the antenna in the range of 1 to 4 metres. The maximum emission level was recorded. The frequency range measured was from 30 MHz to 5.0 GHz. Both the horizontal and vertical polarizations of the emissions were measured.
The measurements were done in a semi-anechoic chamber. The FCC registration number is **778487** and the Industry Canada(IC) file number is **2503B-1**. The EUT was configured and operated to produce the maximum radiated emissions while still keeping within RIM's specifications.
The BlackBerry® smartphone was in battery charging mode for all configurations. The ac input voltage was 120V, 60Hz.

The following test configurations were measured:

Test Configuration	PIN	Operating Mode(s)	Charger + Accessories
1	22163F44	GSM850 idle	Folding Blade Charger + Stereo Headset
2	22163F44	PCS1900 idle, High Speed USB	Laptop + 1.0m USB Cable + Premium Stereo Headset
3	22163F44	UMTS Band 2 idle, Audio Playback, Bluetooth Tx (with Visor Mount)	Fixed Blade Charger + 1.5m USB Cable + Visor Mount
4	22163F44	PCS1900 idle, Bluetooth Tx (with Stereo Gateway)	Laptop + 1.0m USB Cable + Y-Cable + BlackBerry® Remote Stereo Gateway
5	22163F44	Bluetooth Tx	Captive Cable Charger + Alternate Stereo Headset
6	22163F44	UMTS Band 5 idle, High Speed USB	Laptop + 0.3m USB Cable
7	222B87D1	802.11b Tx	Alternate Fixed Blade Charger + Alternate 1.5m USB Cable + Premium Stereo Headset

The system's radiated emission levels were compared with respect to the FCC CFR 47 Part 15, Subpart B, and IC ICES-003, Class B limit.
The system met the requirements with a worst case emission level of 29.15 dBµV/m, or 10.85 dB margin below the limit, at 54.65 MHz in Test Configuration 3.

Sample Calculation:

Field Strength (dBµV/m) is calculated as follows:
FS = Measured Level (dBµV) + A.F. (dB/m) + Cable Loss (dB) - Preamp (dB) + Filter Loss (dB)

Measurement Uncertainty ±4.6 dB

To view the test data see APPENDIX 2.

F. Compliance Test Equipment Used

UNIT	MANUFACTURER	MODEL	SERIAL NUMBER	CAL DUE DATE (YY MM DD)	USE
Preamplifier	Sonoma	310N/11909A	185831	10-11-14	Radiated Emissions
Preamplifier system	TDK RF Solutions	PA-02	080010	10-11-06	Radiated Emissions
EMC Analyzer	Rohde & Schwarz	ESIB 40	3942A00517	10-11-30	Radiated Emissions
Digital Multimeter	Hewlett Packard	34401A	US36042324	10-10-08	Conducted/Radiated Emissions
Environment Monitor	Control Company	1870	230355190	11-01-08	Radiated Emissions
Environment Monitor	Control Company	1870	80117164	11-01-08	Conducted/Radiated Emissions
L.I.S.N.	Rohde & Schwarz	ENV216	100060	10-12-11	Conducted Emissions
Hybrid Log Antenna	EMC Automation	HLP-3003C	017401	10-09-11	Radiated Emissions
Horn Antenna	EMC Automation	HRN-0118	030101	10-07-22	Radiated Emissions
Universal Radio Communication Tester	Rohde & Schwarz	CMU 200	837493/073	10-11-30	Radiated Emissions
Universal Radio Communication Tester	Rohde & Schwarz	CMU 200	112394	10-11-30	Radiated/Conducted Emissions
EMI Test Receiver	Rohde & Schwarz	ESU 40	100162	10-11-29	Radiated/Conducted Emissions
Bluetooth Tester	Rohde & Schwarz	CBT	100368	10-11-26	Radiated Emissions
Bluetooth Tester	Rohde & Schwarz	CBT	100370	10-11-30	Radiated/Conducted Emissions

APPENDIX 1 - AC CONDUCTED EMISSIONS TEST DATA

AC Conducted Emissions Test Results

The following tests were performed by Steven Wang

Test configuration 1

Date of the test: April 24, 2010
The environmental conditions were: Temperature: 26 ºC
Pressure: 1023 mb
Humidity: 24 %

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dBµV)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)
0.470	N	25.15	9.93	35.08	56.52	46.52	-21.44
0.816	N	24.42	9.82	34.24	56.00	46.00	-21.76
1.086	L1	25.69	9.80	35.49	56.00	46.00	-20.51
1.635	L1	28.67	9.81	38.48	56.00	46.00	-17.52
1.793	L1	28.37	9.82	38.18	56.00	46.00	-17.82
1.842	N	23.81	9.82	33.63	56.00	46.00	-22.37
1.869	L1	28.41	9.82	38.23	56.00	46.00	-17.77
1.923	N	24.72	9.83	34.55	56.00	46.00	-21.45
1.991	L1	26.08	9.83	35.90	56.00	46.00	-20.10
2.072	N	22.94	9.83	32.77	56.00	46.00	-23.23
2.103	L1	23.58	9.83	33.41	56.00	46.00	-22.60

All other emission levels had test margins greater than 25 dB.

Measurements were done with the quasi-peak detector.

See figure 1-1 and figure 1-2 for the measurement plot of the L1 and N lines of AC power line conducted emissions.

AC Conducted Emissions Test Graphs

Test Configuration 1

Figure 1-1: L1 lines

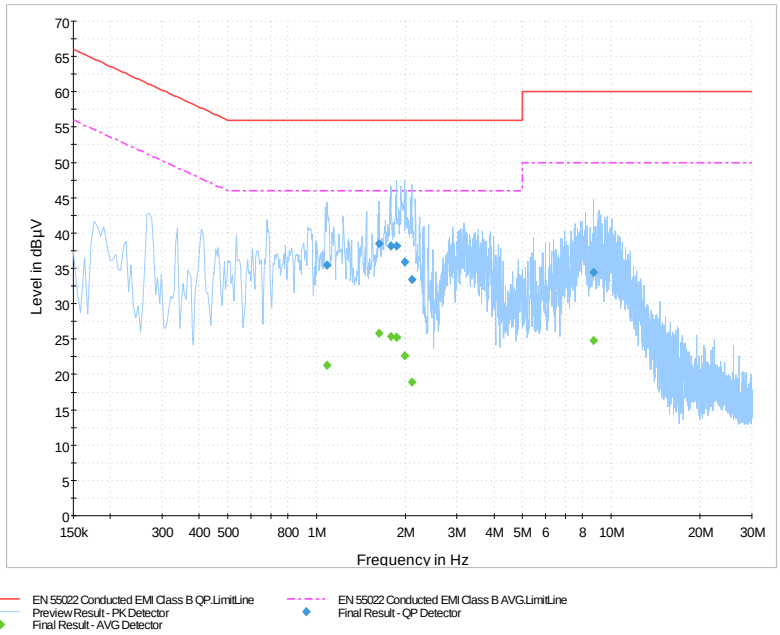
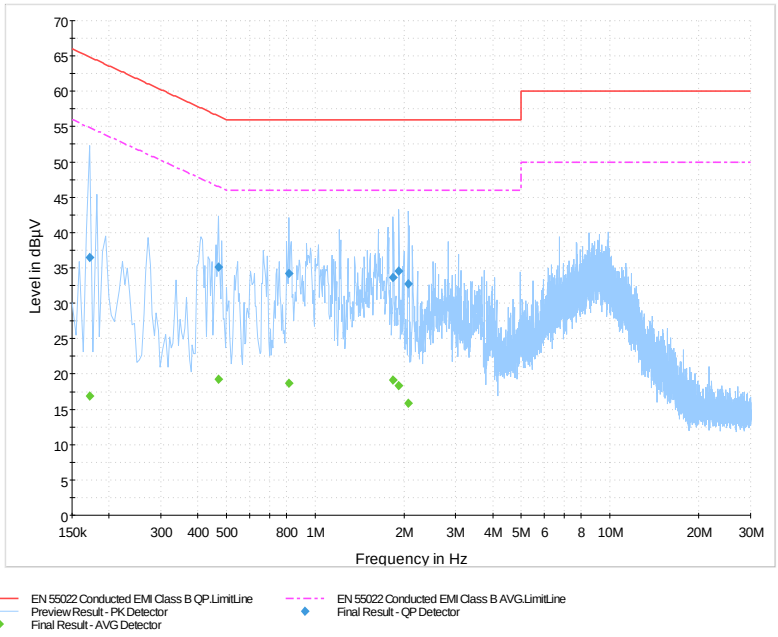


Figure 1-2: N Lines



AC Conducted Emissions Test Results cont'd

Test configuration 2

Date of the test: April 24, 2010
The environmental conditions were: Temperature: 26 ºC
Pressure: 1023 mb
Humidity: 24 %

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dBµV)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)
0.150	L1	35.14	11.20	46.35	66.00	56.00	-19.66
0.173	N	28.93	11.08	40.01	64.84	54.84	-24.83
0.182	N	28.41	11.01	39.42	64.42	54.42	-24.99
0.389	L1	26.56	10.03	36.59	58.10	48.10	-21.50
3.881	L1	23.41	9.90	33.31	56.00	46.00	-22.70

All other emission levels had test margins greater than 25 dB.

Measurements were done with the quasi-peak detector.

See figure 1-3 and figure 1-4 for the measurement plot of the L1 and N lines of AC power line conducted emissions.

AC Conducted Emissions Test Graphs

Test Configuration 2

Figure 1-3: L1 lines

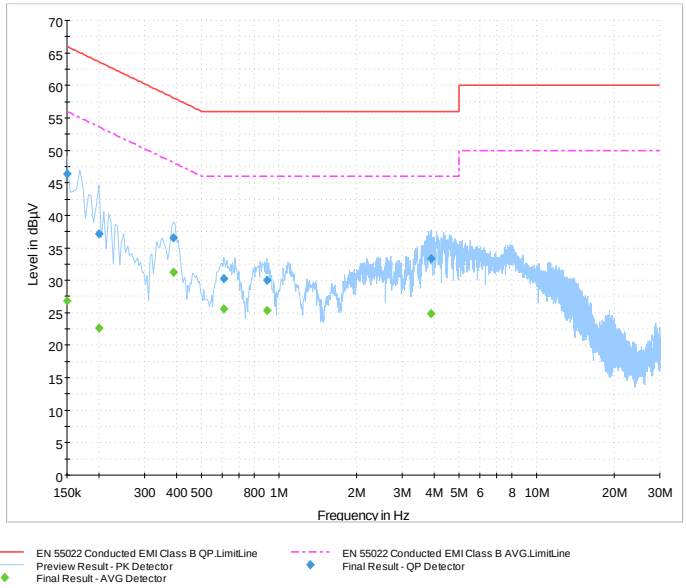
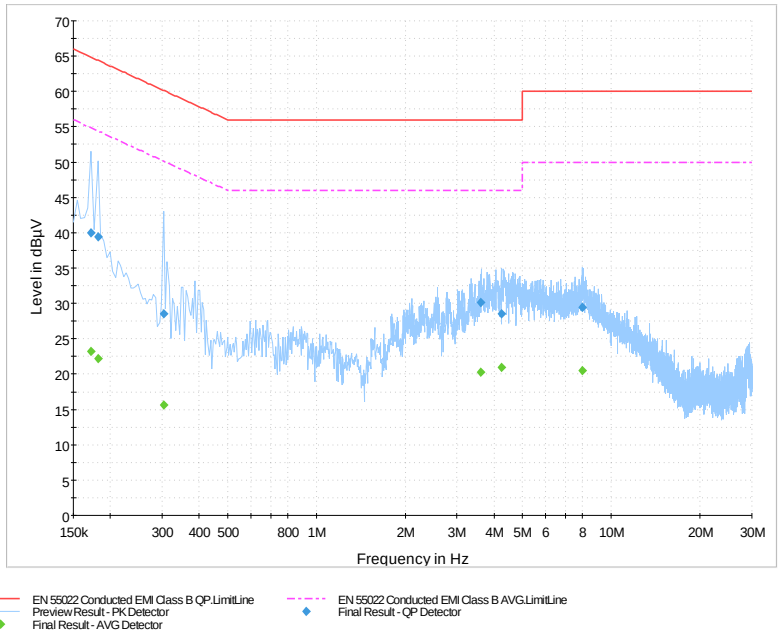


Figure 1-4: N Lines



AC Conducted Emissions Test Results cont'd

Test configuration 3

Date of the test: April 24, 2010
The environmental conditions were: Temperature: 26 ºC
Pressure: 1023 mb
Humidity: 24 %

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dBµV)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)
0.807	L1	29.08	9.82	38.90	56.00	46.00	-17.10
1.095	L1	28.95	9.80	38.75	56.00	46.00	-17.25
1.226	N	27.04	9.80	36.84	56.00	46.00	-19.16
1.239	L1	27.15	9.80	36.95	56.00	46.00	-19.05
1.271	N	23.70	9.80	33.50	56.00	46.00	-22.50
1.824	L1	31.28	9.82	41.10	56.00	46.00	**-14.90**
1.937	N	30.64	9.83	40.47	56.00	46.00	-15.53
2.036	L1	30.64	9.83	40.47	56.00	46.00	-15.53
2.162	L1	27.28	9.83	37.12	56.00	46.00	-18.88

All other emission levels had test margins greater than 25 dB.

Measurements were done with the quasi-peak detector.

See figure 1-5 and figure 1-6 for the measurement plot of the L1 and N lines of AC power line conducted emissions.

AC Conducted Emissions Test Graphs

Test Configuration 3

Figure 1-5: L1 lines

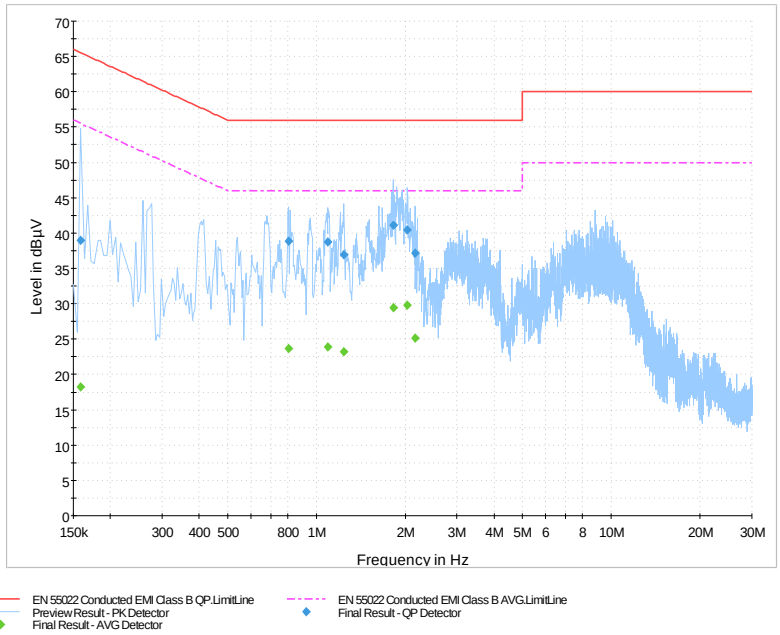
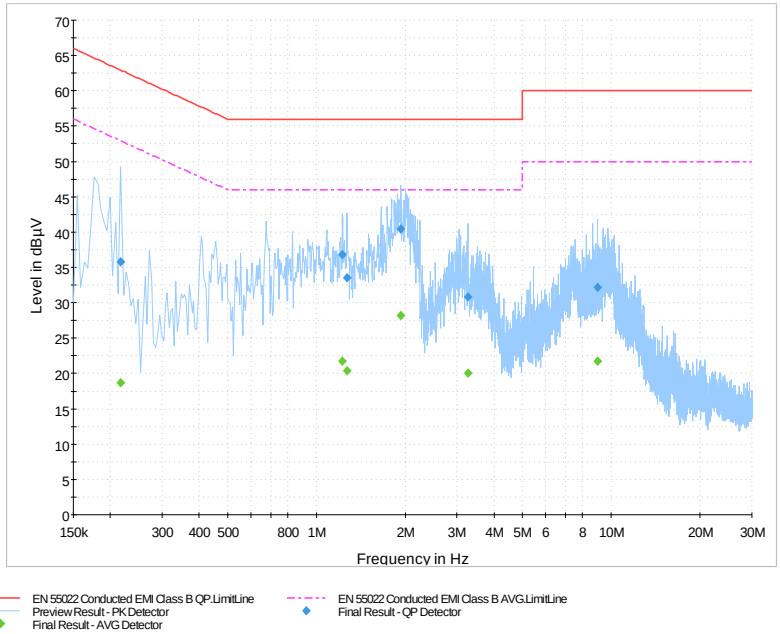


Figure 1-6: N Lines



AC Conducted Emissions Test Results cont'd

Test configuration 4

Date of the test: April 24, 2010
The environmental conditions were: Temperature: 26 ºC
Pressure: 1023 mb
Humidity: 24 %

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dBµV)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)
0.159	L1	34.60	11.14	45.74	65.52	55.52	-19.77
0.159	N	29.74	11.17	40.91	65.52	55.52	-24.61
0.263	L1	28.73	10.42	39.15	61.35	51.35	-22.20
0.785	L1	24.34	9.82	34.16	56.00	46.00	-21.84
1.167	L1	24.71	9.80	34.52	56.00	46.00	-21.49
3.417	L1	23.04	9.89	32.93	56.00	46.00	-23.07
3.561	N	22.68	9.90	32.58	56.00	46.00	-23.43
4.664	N	23.93	9.91	33.84	56.00	46.00	-22.16
4.853	L1	23.20	9.91	33.10	56.00	46.00	-22.90
7.845	L1	25.58	9.98	35.56	60.00	50.00	-24.44

All other emission levels had test margins greater than 25 dB.

Measurements were done with the quasi-peak detector.

See figure 1-7 and figure 1-8 for the measurement plot of the L1 and N lines of AC power line conducted emissions.

AC Conducted Emissions Test Graphs

Test Configuration 4

Figure 1-7: L1 lines

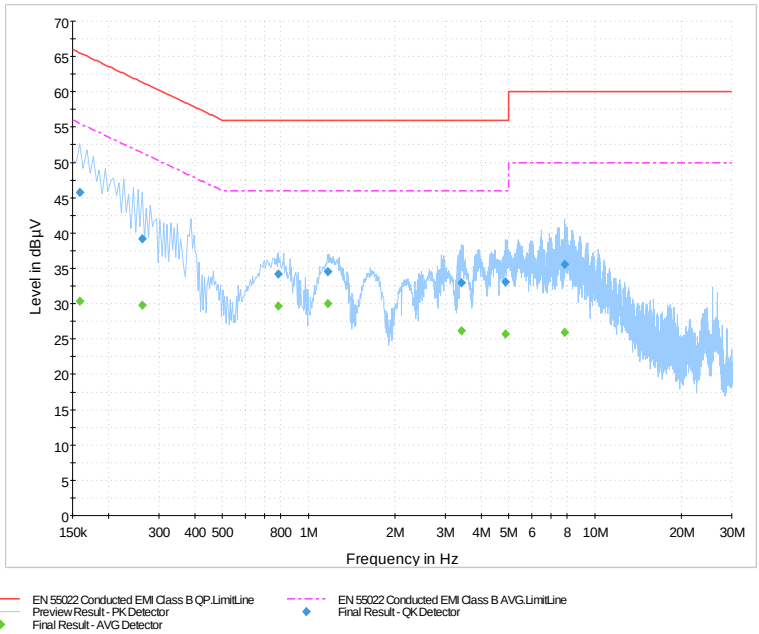
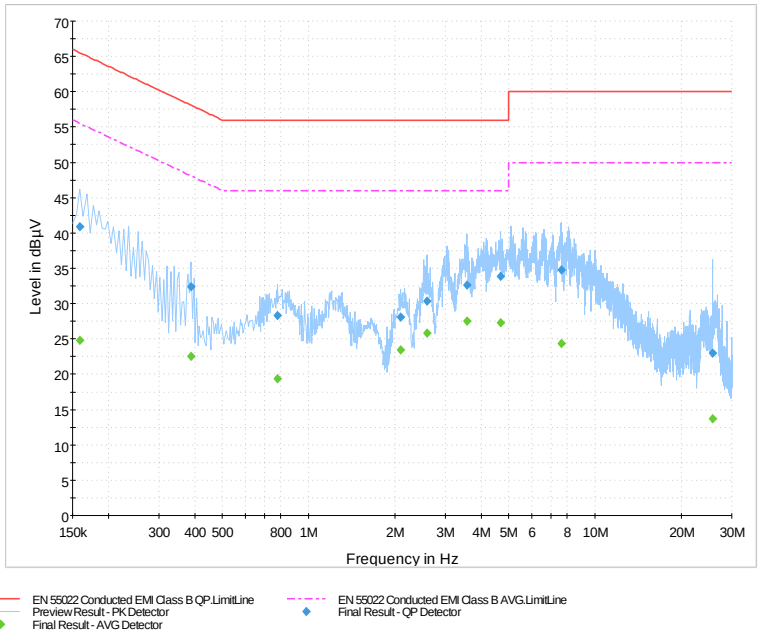


Figure 1-8: N Lines



AC Conducted Emissions Test Results cont'd

Test configuration 5

Date of the test: May 19, 2010
The environmental conditions were: Temperature: 26 ºC
Pressure: 1023 mb
Humidity: 24 %

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dBµV)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)
0.249	N	27.18	10.54	37.72	61.79	51.79	-24.08
0.582	L1	26.60	9.86	36.46	56.00	46.00	-19.54
0.672	L1	26.95	9.84	36.79	56.00	46.00	-19.21
0.767	L1	26.94	9.82	36.76	56.00	46.00	-19.24
0.776	N	21.72	9.83	31.55	56.00	46.00	-24.45
0.839	L1	26.84	9.81	36.65	56.00	46.00	-19.35
0.848	N	21.36	9.82	31.18	56.00	46.00	-24.82
0.987	L1	25.91	9.80	35.72	56.00	46.00	-20.28

All other emission levels had test margins greater than 25 dB.

Measurements were done with the quasi-peak detector.

See figure 1-9 and figure 1-10 for the measurement plot of the L1 and N lines of AC power line conducted emissions.

AC Conducted Emissions Test Graphs

Test Configuration 5

Figure 1-9: L1 lines

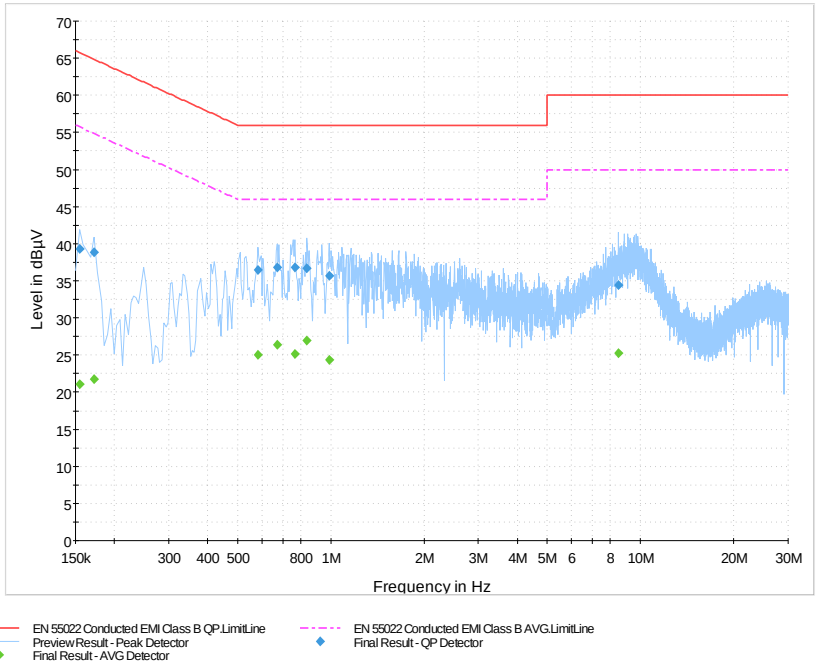
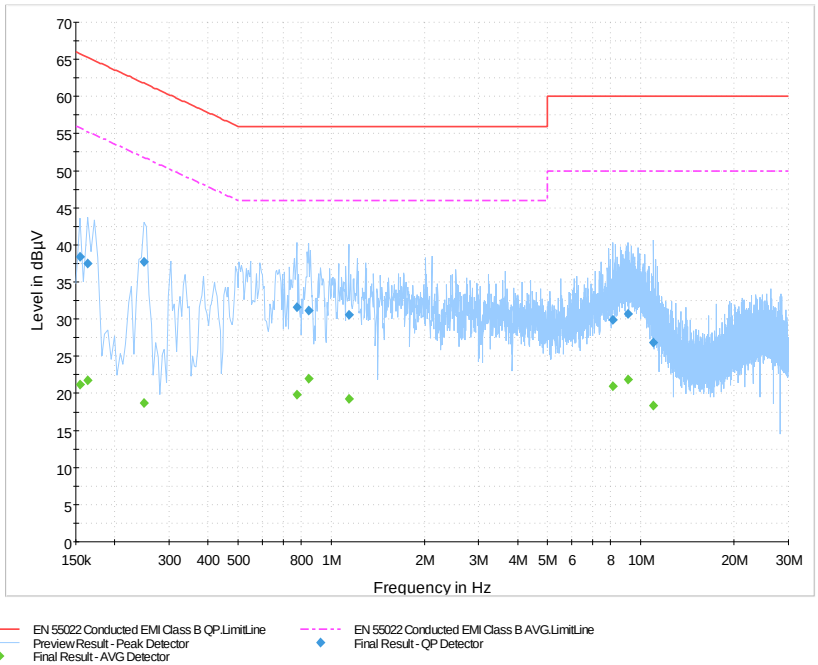


Figure 1-10: N Lines



APPENDIX 2 - RADIATED EMISSIONS TEST DATA

Radiated Emissions Test Results

The following test were performed by Kevin Rose

Test Configuration 1

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency (MHz)	Antenna Pol. (V/H)	Antenna Height (metres)	Test Angle (Deg.)	Detector (Q.P. or Peak)	Measured Level (dBµV)	Correction Factor for preamp/ antenna / cables/ filter (dB/m)	Field Strength Level (reading +corr) (dBµV/m)	Limit @ 3.0 m (dBµV/m)	Test Margin (dB)
42.950	V	1.50	307.00	Q.P.	45.04	-22.37	22.67	40.00	-17.33
196.900	H	2.09	354.00	Q.P.	37.52	-17.68	19.84	43.50	-23.66
358.500	H	1.27	171.00	Q.P.	36.12	-14.06	22.06	46.00	-23.94
513.600	V	1.40	354.00	Q.P.	35.19	-11.02	24.17	46.00	-21.83
All other emission levels had test margins greater than 25 dB.									

Radiated Emissions Test Results cont'd

Test Configuration 2

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency (MHz)	Antenna Pol. (V/H)	Antenna Height (metres)	Test Angle (Deg.)	Detector (Q.P. or Peak)	Measured Level (dBµV)	Correction Factor for preamp/ antenna/ cables/ filter (dB/m)	Field Strength Level (reading +corr) (dBµV/m)	Limit @ 3.0 m (dBµV/m)	Test Margin (dB)
182.650	H	2.75	299.00	Q.P.	43.66	-19.78	23.88	43.50	-19.62
216.100	H	1.81	305.00	Q.P.	48.56	-17.35	31.21	46.00	-14.79
243.350	V	1.40	354.00	Q.P.	46.09	-18.29	27.80	46.00	-18.20
299.850	H	1.00	103.00	Q.P.	38.55	-15.98	22.57	46.00	-23.43
432.050	V	1.40	158.00	Q.P.	36.77	-12.40	24.37	46.00	-21.63
All other emission levels had test margins greater than 25 dB.									

Radiated Emissions Test Results cont'd

Test Configuration 3

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency (MHz)	Antenna Pol. (V/H)	Antenna Height (metres)	Test Angle (Deg.)	Detector (Q.P. or Peak)	Measured Level (dBµV)	Correction Factor for preamp/ antenna/ cables/ filter (dB/m)	Field Strength Level (reading+corr) (dBµV/m)	Limit @ 3.0 m (dBµV/m)	Test Margin (dB)
36.200	V	1.43	196.00	Q.P.	44.96	-20.74	24.22	40.00	-15.78
54.650	V	1.57	126.00	Q.P.	52.74	-23.59	29.15	40.00	**-10.85**
58.100	V	1.53	301.00	Q.P.	46.15	-23.78	22.37	40.00	-17.63

All other emission levels had test margins greater than 25 dB.

Radiated Emissions Test Results cont'd

Test Configuration 4

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency (MHz)	Antenna Pol. (V/H)	Antenna Height (metres)	Test Angle (Deg.)	Detector (Q.P. or Peak)	Measured Level (dBµV)	Correction Factor for preamp/ antenna / cables/ filter (dB/m)	Field Strength Level (reading+corr) (dBµV/m)	Limit @ 3.0 m (dBµV/m)	Test Margin (dB)
182.650	H	1.61	267.00	Q.P.	44.91	-19.78	25.13	43.50	-18.37
216.100	H	1.53	102.00	Q.P.	51.14	-17.35	33.79	46.00	-12.21
243.350	V	2.36	333.00	Q.P.	41.40	-18.29	23.11	46.00	-22.89
432.050	V	2.10	68.00	Q.P.	38.83	-12.40	26.43	46.00	-19.57
All other emission levels had test margins greater than 25 dB.									

Radiated Emissions Test Results cont'd

Test Configuration 5

Date of the test: April 19, 2010

The environmental conditions were:	Temperature:	20 ºC
	Pressure:	1015 mb
	Humidity:	25 %

All emission levels had test margins greater than 25 dB.

Radiated Emissions Test Results cont'd

Test Configuration 6

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency	Antenna		Test Angle	Detector (Q.P. or Peak)	Measured Level (dBµV)	Correction Factor for preamp/ antenna/ cables/ filter (dB/m)	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height							
(MHz)	(V/H)	(metres)	(Deg.)				(dBµV/m)	(dBµV/m)	(dB)
30.600	H	2.97	78.00	Q.P.	34.32	-19.10	15.22	40.00	-24.78
134.400	H	1.73	248.00	Q.P.	46.40	-20.05	26.35	43.50	-17.15
206.750	V	2.58	17.00	Q.P.	36.80	-16.59	20.21	43.50	-23.29
213.750	V	2.99	10.00	Q.P.	39.66	-17.15	22.51	43.50	-20.99
216.400	H	1.55	285.00	Q.P.	43.30	-17.37	25.93	46.00	-20.07
218.700	H	1.95	107.00	Q.P.	42.06	-17.58	24.48	46.00	-21.52
219.050	H	1.66	111.00	Q.P.	44.49	-17.62	26.87	46.00	-19.13
243.500	H	1.47	308.00	Q.P.	44.56	-18.30	26.26	46.00	-19.74
426.050	V	1.47	11.00	Q.P.	34.44	-12.22	22.22	46.00	-23.78
426.200	H	2.32	118.00	Q.P.	34.17	-12.23	21.94	46.00	-24.06
428.650	V	1.93	71.00	Q.P.	34.65	-12.37	22.28	46.00	-23.72
428.750	H	1.01	97.00	Q.P.	37.78	-12.37	25.41	46.00	-20.59

All other emission levels had test margins greater than 25 dB.

Radiated Emissions Test Results cont'd

Test Configuration 7

Date of the test: April 19, 2010
The environmental conditions were: Temperature: 20 ºC
Pressure: 1015 mb
Humidity: 25 %

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/ antenna/ cables/ filter (dB/m)	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)				
(MHz)	(V/H)	(metres)	(Deg.)				(dBµV/m)	(dBµV/m)	(dB)
39.100	V	3.99	326.00	Q.P.	43.30	-21.52	21.78	40.00	-18.22
41.800	V	3.96	354.00	Q.P.	42.17	-22.04	20.13	40.00	-19.87
All other emission levels had test margins greater than 25 dB.									