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

RIM Testing Services (RTS)

A division of Research In Motion Limited

REPORT NO.: RTS-0671-0706-15

PRODUCT MODEL NO.: RBN41GW
TYPE NAME: BlackBerry® smartphone
FCC ID: L6ARBN40GW
IC: 2503A-RBN40GW

DATE: 20 June 2007

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Statement of Performance:

The BlackBerry® smartphone, model RBN41GW, part number CER-15664-001 Rev 3, and accessories when configured and operated per RIM's operation instructions, 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 and Tested by:

Caitlin O'Neill
Compliance Specialist
Date: 20 Jun 2007

Reviewed by:

Maurice Battler
Compliance Specialist
Date: 21 Jun 2007

Tested and reviewed by:

Masud S. Attayi, P.Eng.
Team Lead, Regulatory Compliance
Date: 23 Jun 2007

Approved by:

Paul G. Cardinal, Ph.D.
Director
Date: 25 Jun 2007

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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, August 14 2006, Class B Digital Devices, Unintentional Radiators
- IC ICES-003 Issue 4, February 2004, Class B Digital Devices, Unintentional Radiators
- EN55022: 1998 A1:2000/A2:2003 Conducted/Radiated Emissions Class B

B. Associated Document

1. Document number RTS-0671-RBN41GW-03

C. Product Identification

Manufactured by Research In Motion Limited 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 RIM Testing Services (RTS) EMI test facility, located at:

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

The testing was performed on May 24 to 31, 2007.

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The sample EUT included:

SAMPLE	MODEL	CER NUMBER	PIN
1	RBN41GW	CER-15664-001 Rev. 2	205E10F5
2	RBN41GW	CER-15664-001 Rev. 3	205DFB15

To view the differences between CER-15664-001 Rev. 2 and CER-15664-001 Rev. 3, see document number RTS-0671-RBN41GW-03.

BlackBerry® smartphone Accessories Tested

1) Folding Blade Charger, part number ASY-07040-001 with an output voltage of 5.0 volts dc, 0.75 amps and attached USB cable with a lead length of 1.80 metres.
2) Alternative Captive Cable Charger, part number HDW-14917-001 with an output voltage of 5.0 volts dc, 0.5 amps and attached USB cable with a lead length of 1.80 metres.
3) Captive Cable Charger, part number ASY-07559-001 with an output voltage of 5.0 volts dc, 0.5 amps and attached USB cable with a lead length of 1.80 metres.
4) Alternative Folding Blade Charger, part number ASY-12709-001 with an output voltage of 5.0 volts dc, 0.75 amps with an attached USB cable with a length of 1.80 metres.
5) BlackBerry® Power Station, part number HDW-12736-001 Rev. 1
6) BlackBerry® Power Station, part number HDW-12736-001 Rev. 2
7) Stereo Headset, 3.5mm, part number HDW-14322-001, 1.3 metres long.
8) USB data cable, part number HDW-06610-001, 1.45 metres long.
9) Mini External Battery Charger, part number HDW-12738-001
10) TTY Adapter (3.5 mm plug to 2.5 mm jack), part number HDW-15306-002
11) Stereo Headset, 2.5mm, part number HDW-13019-001, 1.3 metres long

D. Support Equipment Used for the Testing of the EUT

1) PC System, Myraid, model EN-P3B-7, serial number CCC0004078
2) Monitor, ViewSonic, model number VCDTS23103-2M, serial number 4B022952648
3) Printer, H/P, model number C5884A, serial number US8251W0VQ

E. Test Voltage

The ac input voltage was 120/230 volts, 60/50 Hz where applicable. This configuration was per RIM's specifications.

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F. Test Results Chart

SPECIFICATION	Test Type	MEETS REQUIREMENTS	Performed By
FCC CFR 47 Part 15, Subpart B IC ICES-003 Radiated Unintentional Spurious Emissions	Class B	Yes	Caitlin O'Neill Masud Attayi
FCC CFR 47 Part 15, Subpart B IC ICES-003 Conducted AC Line Emission	Class B	Yes	Caitlin O'Neill Vimal Olaganathan

G. Modifications to EUT

No modifications were required on the EUT.

H. Summary of Results

SPECIFICATION		TEST TYPE	RESULT	TEST DATA APPENDIX
FCC CFR 47	IC			
Part 15, Subpart B	ICES-003	Conducted AC Line Emission	Pass	1
Part 15, Subpart B	ICES-003	Radiated Unintentional Spurious Emissions	Pass	2

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a) AC LINE 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.
The following test configurations were measured. The Handheld was in idle and battery charging mode. The input was 230V, 50 Hz, except when indicated below.

1. The BlackBerry® smartphone PIN 205E10F5, was connected to the Folding Blade Charger and Stereo Headset.
2. The BlackBerry® smartphone PIN 205DFB15, was connected to the Folding Blade Charger and Stereo Headset. The ac input voltage was 120V and 60 Hz.
3. The BlackBerry® smartphone PIN 205E10F5, was connected to the Alternative Captive Cable Charger and Stereo Headset (2.5mm type) through a TTY adapter.
4. The BlackBerry® smartphone PIN 205E10F5 was connected to the BlackBerry® Power Station part number HDW-12736-001 Rev. 2.

The sample EUT's conducted emissions were compared with respect to the FCC CFR 47 Part 15, Subpart B, IC ICES-003, and EN55022 Class B limit. The sample EUT had a worse case test margin of 6.18 dB below the QP limit at 0.806 MHz using the Quasi-peak detector and 10.56 dB below the AV limit at 0.803 MHz using the Average detector for the Folding Blade Charger, test configuration 1.

Measurement Uncertainty ±2.0 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 1.0 GHz.

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Both the horizontal and vertical polarisations of the emissions were measured. The measurements were done in a semi-anechoic chamber. The semi-anechoic chamber FCC registration number is **778487** and the Industry Canada file number is **IC4240**.

The EUT was configured and operated to produce the maximum radiated emissions while still keeping within RIM's specifications.

The Handheld was in idle for modes 1-4, BT Tx for modes 5-6, and in battery charging for all modes. The following test configurations were measured, input ac voltage was 120 V, 60 Hz for modes 1, 2-6, and 230 V, 50 Hz for mode 2 below:

1. The BlackBerry® smartphone PIN 205E10F5, was connected to the Alternative Captive Cable Charger.
2. The BlackBerry® smartphone PIN 205DFB15, was connected to the Alternative Captive Cable Charger.
3. The BlackBerry® smartphone PIN 205E10F5, was connected to the BlackBerry® Power Station, part number HDW-12736-001 Rev. 1 and a Stereo Headset.
4. The BlackBerry® smartphone PIN 205E10F5, was connected to the BlackBerry® Power Station, part number HDW-12736-001 Rev. 2, and the PC and its support equipment by USB cable in data flood mode. The BlackBerry® Power Station was connected to a Mini External Battery Charger in battery charging mode by an external USB cable.
5. The BlackBerry® smartphone PIN 205E10F5 in battery charging mode, was connected to the Captive Cable Charger and Stereo Headset (2.5mm type) through a TTY adapter.
6. The BlackBerry® smartphone PIN 205E10F5 in battery charging mode, was connected to the Alternative Folding Blade Charger and Stereo Headset (3.5mm type).

The system's radiated emission levels in idle mode were compared with respect to the FCC CFR 47 Part 15, Subpart B, IC ICES-003, and EN55022 Class B limit.
The system met the requirements with a worse case emission test margin of 8.90 dB at 38.11 MHz using test configuration 1.

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 ±4.0 dB

To view the test data see APPENDIX 2.

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I. Compliance Test Equipment Used

UNIT	MANUFACTURER	MODEL	SERIAL NUMBER	CAL DUE DATE (YY MM DD)	USE
Preamplifier	Sonoma	310N/11909A	185831	07-11-23	Radiated Emissions
Preamplifier system	TDK RF Solutions	PA-02	080010	07-11-22	Radiated Emissions
EMI Receiver	Agilent	8546A	3942A00517	07-09-21	Conducted/Radiated Emissions
RF Filter Section	Agilent	85460A	3704A00481	07-09-21	Conducted/Radiated Emissions
Digital Multimeter	Hewlett Packard	34401A	US36042324	07-09-19	Conducted/Radiated Emissions
Environment Monitor	Control Company	1870	230355190	07-12-28	Conducted/Radiated Emissions
L.I.S.N.	Emco	3816/2	1120	08-08-28	Conducted Emissions
Impulse Limiter	Rohde & Schwarz	ESHS-Z2	836248/052	07-11-20	Conducted Emissions
Hybrid Log Antenna	TDK	HLP-3003C	17401	08-08-04	Radiated Emissions
Universal Radio Communication Tester	R&S	CMU 200	837493/073	07-12-01	Radiated/Conducted Emission
EMC Analyzer	Agilent	E7405A	US40240226	07-10-20	Radiated Emissions

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APPENDIX 1 - AC LINE CONDUCTED EMISSIONS TEST DATA

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AC Conducted Emissions Test Results

The environmental test conditions were:

Temperature	24ºC
Pressure	1018mb
Relative Humidity	30%

Test Configuration 1

FCC CFR 47 Part 15, Subpart B (CISPR 22), IC ICES-003, Class B

Date of test: May 24, 2007

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (QP) (dBµV)	Margin (QP) Limits (dB)
0.806	L1	39.95	9.87	49.82	56.00	**-6.18**
0.913	N	39.70	9.87	49.57	56.00	-6.43
1.022	L1	25.19	9.87	35.06	56.00	-20.94
1.533	L1	22.12	9.89	32.01	56.00	-23.99
1.551	N	32.22	9.89	42.11	56.00	-13.89
1.650	N	25.24	9.89	35.13	56.00	-20.87
2.246	N	27.90	9.82	37.72	56.00	-18.28
2.250	L1	26.95	9.82	36.77	56.00	-19.23
2.253	N	22.30	9.82	32.12	56.00	-23.88

All other emission levels had a test margin of greater than 25 dB.

Measurements were done with the quasi-peak detector.

See graph 1 for the measurement plot.

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AC Conducted Emissions Test Results cont'd

Date of test: May 24, 2007

Frequency (MHz)	Line	Reading (AV) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (AV) (dBµV)	Margin (AV) Limits (dB)
0.803	L1	25.57	9.87	35.44	46.00	**-10.56**
0.913	N	24.83	9.87	34.70	46.00	-11.30
0.911	L1	25.13	9.87	35.00	46.00	-11.00
1.016	N	23.35	9.87	33.22	46.00	-12.78
1.020	L1	22.35	9.87	32.22	46.00	-13.78
1.523	L1	17.98	9.89	27.87	46.00	-18.13
1.535	N	19.14	9.89	29.03	46.00	-16.97
1.666	L1	14.38	9.89	24.27	46.00	-21.73
1.649	N	17.61	9.89	27.50	46.00	-18.50
2.250	N	13.35	9.82	23.17	46.00	-22.83
2.241	L1	11.34	9.82	21.16	46.00	-24.84
2.263	N	14.01	9.82	23.83	46.00	-22.17

All other emission levels had a test margin of greater than 25 dB.

Measurements were done with the average detector.

See graph 1 for the measurement plot.

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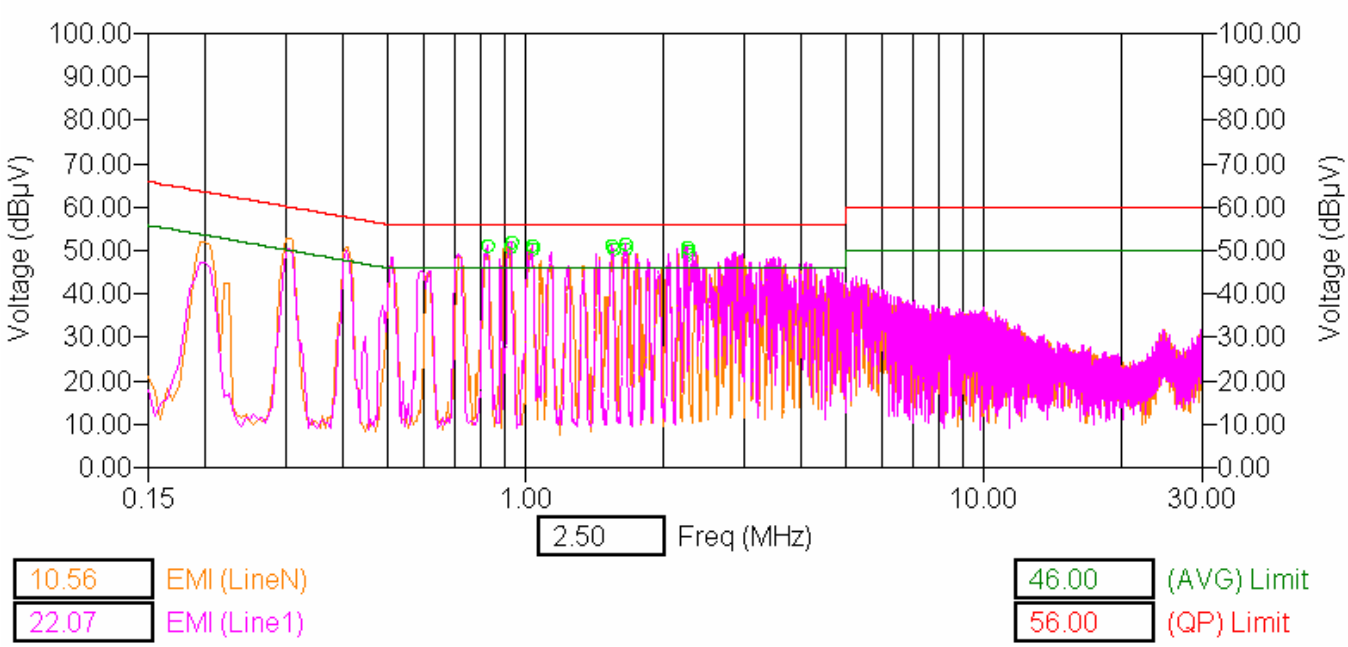
AC Conducted Emissions Test Graph 1



Test Configuration 1

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AC Conducted Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1015mb
Relative Humidity	30%

Test Configuration 2

FCC CFR 47 Part 15, Subpart B (CISPR 22), IC ICES-003, Class B

Date of test: May 31 2007

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (QP) (dBµV)	Margin (QP) Limits (dB)
0.476	L1	36.60	9.85	46.45	56.34	-9.89
0.476	N	36.37	9.85	46.22	56.25	-10.04
0.595	L1	35.60	9.85	45.45	56.00	-10.55
0.603	N	36.04	9.85	45.89	56.00	-10.11
0.614	L1	33.80	9.86	43.66	56.00	-12.34
0.711	L1	36.65	9.85	46.50	56.00	-9.50
0.709	N	36.20	9.85	46.05	56.00	-9.95
0.716	N	31.36	9.86	41.22	56.00	-14.78
0.796	L1	33.32	9.87	43.19	56.00	-12.81
0.812	N	34.08	9.87	43.95	56.00	-12.05
1.418	L1	33.73	9.89	43.62	56.00	-12.38
1.482	N	30.43	9.89	40.32	56.00	-15.68

All other emission levels had a test margin of greater than 25 dB.

Measurements were done with the quasi-peak detector.

See graph 2 for the measurement plot.

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AC Conducted Emissions Test Results cont'd

Date of test: May 31, 2007

Frequency (MHz)	Line	Reading (AV) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (AV) (dBµV)	Margin (AV) Limits (dB)
0.472	L1	20.23	9.85	30.08	46.34	-16.26
0.474	N	19.94	9.85	29.79	46.25	-16.47
0.596	L1	22.2	9.85	32.05	46.00	-13.95
0.601	N	24.44	9.85	34.29	46.00	-11.71
0.610	L1	11.53	9.86	21.39	46.00	-24.61
0.710	L1	19.97	9.85	29.82	46.00	-16.18
0.708	N	19.13	9.85	28.98	46.00	-17.02
0.709	N	21.17	9.86	31.03	46.00	-14.97
0.811	L1	13.12	9.87	22.99	46.00	-23.01
0.814	N	15.75	9.87	25.62	46.00	-20.38
1.422	L1	18.82	9.89	28.71	46.00	-17.29
1.486	N	13.34	9.89	23.23	46.00	-22.77

All other emission levels had a test margin of greater than 25 dB.

Measurements were done with the average detector.

See graph 2 for the measurement plot.

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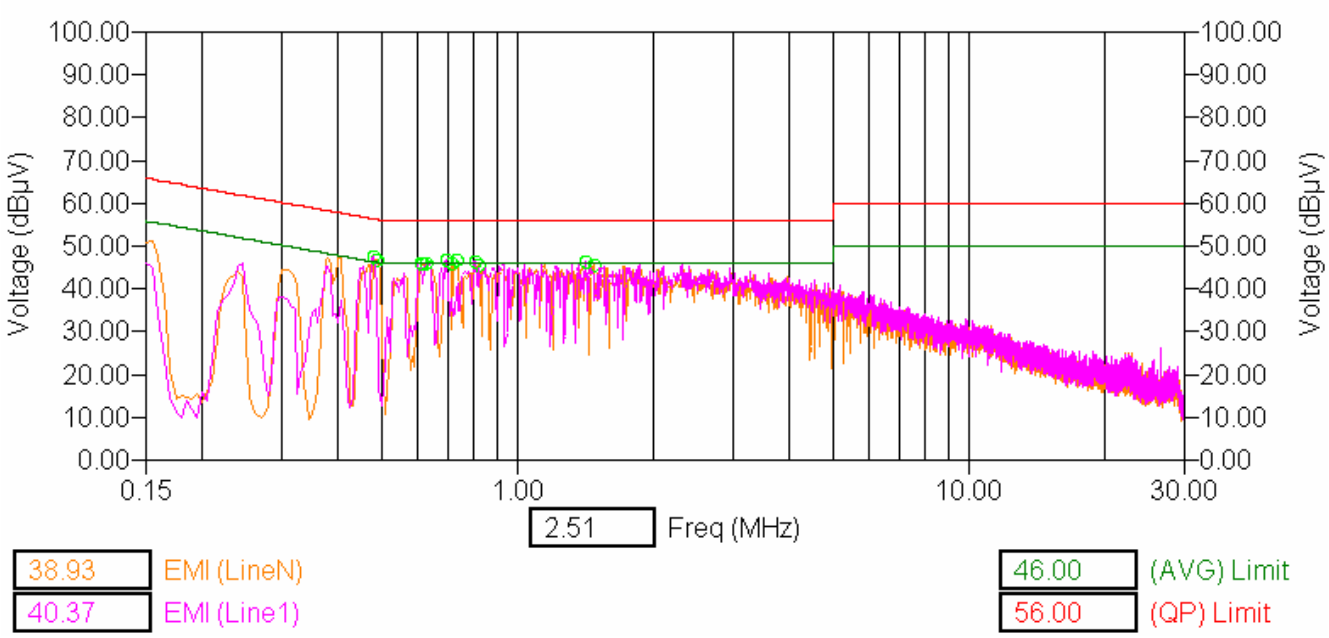
AC Conducted Emissions Test Graph 2



Test Configuration 2

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AC Conducted Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1018mb
Relative Humidity	30%

Test Configuration 3

FCC CFR 47 Part 15, Subpart B (CISPR 22), IC ICES-003, Class B

Date of test: May 24, 2007

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)	Margin (AV) Limits (dB)
0.198	L1	31.03	9.84	40.87	64.04	54.04	-23.16	-13.16
0.261	L1	31.97	9.86	41.83	61.43	51.43	-19.60	-9.60
0.326	L1	31.40	9.85	41.25	59.58	49.58	-18.33	-8.33
0.326	N	32.94	9.85	42.79	59.45	49.45	-16.66	-6.66
0.426	N	30.66	9.83	40.49	57.25	47.25	-16.76	-6.76
0.457	N	28.52	9.84	38.36	56.78	46.78	-18.42	-8.42
0.456	L1	27.04	9.84	36.88	56.60	46.60	-19.72	-9.72
0.585	L1	27.53	9.84	37.37	56.00	46.00	-18.63	-8.63
1.116	L1	26.12	9.88	36.00	56.00	46.00	-20.00	-10.00
1.189	N	25.59	9.88	35.47	56.00	46.00	-20.53	-10.53
1.560	N	27.06	9.89	36.95	56.00	46.00	-19.05	-9.05
3.051	N	23.13	9.87	33.00	56.00	46.00	-23.00	-13.00

All other emission levels had a test margin of greater than 25 dB.

See graph 3 for the measurement plot.

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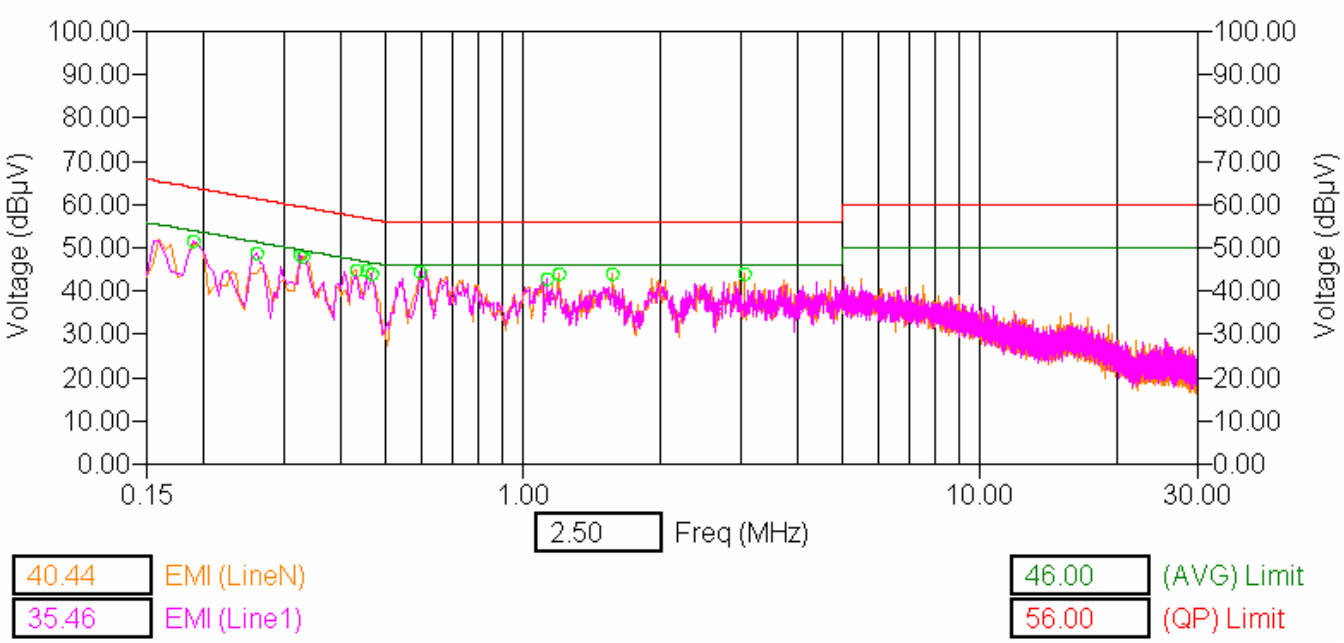
AC Conducted Emissions Test Graph 3



Test Configuration 3

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AC Conducted Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1018mb
Relative Humidity	31%

Test Configuration 4

Date of test: May 25, 2007

FCC CFR 47 Part 15, Subpart B, IC ICES-003 and EN 55022, Class B

Frequency (MHz)	Line	Reading (QP) (dBµV)	Correction Factor (dB)	Corrected Reading (QP) (dB)	Limit (QP) (dBµV)	Limit (AV) (dBµV)	Margin (QP) Limits (dB)	Margin (AV) Limits (dB)
0.150	N	41.62	9.82	51.44	66.00	56.00	-14.56	-4.56
0.151	L1	41.78	9.82	51.60	65.73	55.73	-14.12	-4.12
0.152	N	41.57	9.83	51.40	65.46	55.46	-14.07	-4.07
0.168	N	41.36	9.84	51.20	64.72	54.72	-13.52	-3.52
0.175	L1	39.77	9.84	49.61	64.26	54.26	-14.65	-4.65
0.200	N	35.55	9.85	45.40	63.61	53.61	-18.21	-8.21
0.204	L1	35.52	9.85	45.37	63.21	53.21	-17.83	-7.83
0.213	N	34.46	9.86	44.32	62.45	52.45	-18.13	-8.13
0.228	N	33.70	9.86	43.56	61.92	51.92	-18.37	-8.37
0.252	L1	33.47	9.86	43.33	61.76	51.76	-18.43	-8.43
0.296	L1	29.39	9.85	39.24	60.52	50.52	-21.28	-11.28
0.330	L1	27.58	9.85	37.43	59.20	49.20	-21.77	-11.77

All other emission levels had a test margin of greater than 25 dB.

See graph 4 for the measurement plot.

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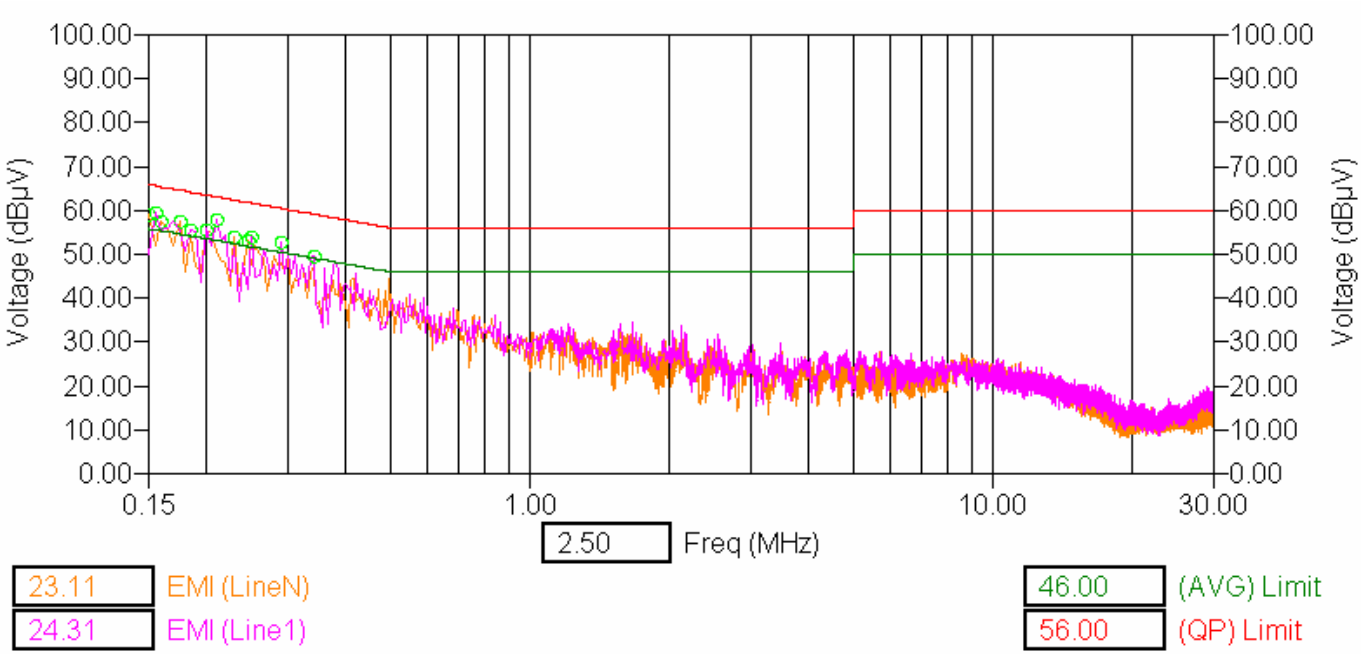
AC Conducted Emissions Test Graph 4



Test Configuration 4

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APPENDIX 2 - RADIATED EMMISIONS TEST DATA

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Radiated Emissions Test Results

The environmental test conditions were:

Temperature	24ºC
Pressure	1021 mb
Relative Humidity	30%

Test Configuration 1

FCC CFR 47 Part 15 Subpart B, IC ICES-003 and EN 55022, Class B

Date of test: May 29, 2007

Test Distance was 3.0 metres.

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/antenna / cables/ filter	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)
(MHz)	(V/H)	(metres)	(Deg.)						
34.67	V	1.61	131	QP	45.87	-19.48	26.39	40.00	-13.61
36.79	V	1.64	159	QP	50.43	-19.93	30.50	40.00	-9.50
38.11	H	1.95	354	QP	51.40	-20.30	31.10	40.00	**-8.90**
51.22	V	1.68	351	QP	45.23	-22.63	22.60	40.00	-17.40
51.63	H	3.61	238	QP	41.41	-22.70	18.71	40.00	-21.29
53.52	V	1.50	354	QP	44.81	-22.70	22.11	40.00	-17.89
54.28	H	3.52	252	QP	45.98	-22.72	23.26	40.00	-16.74
107.55	V	1.43	211	QP	40.05	-18.71	21.34	43.50	-22.16

All emission levels had a test margin of greater than 25 dB.

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Radiated Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1016 mb
Relative Humidity	31%

Test Configuration 2

FCC CFR 47 Part 15, Subpart B, Class B

Date of test: May 31, 2007

Test Distance was 3.0 metres.

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/antenna / cables/ filter	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)
(MHz)	(V/H)	(metres)	(Deg.)						
36.47	V	3.32	164	QP	48.76	-19.82	28.94	40	-11.06
37.16	H	1.51	329	QP	50.86	-20.09	30.77	40	-9.23
53.15	V	1.48	31	QP	39.07	-22.67	16.40	40	-23.60

All other emission levels had a test margin of greater than 25 dB.

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Radiated Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1019 mb
Relative Humidity	30%

Test Configuration 3

FCC CFR 47 Part 15, Subpart B, Class B

Date of test: May 30, 2007

Test Distance was 3.0 metres.

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/antenna / cables/ filter	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)
(MHz)	(V/H)	(metres)	(Deg.)						
74.72	V	3.17	340	QP	39.95	-21.48	18.47	40.00	-21.53
77.36	H	2.28	84	QP	39.78	-21.70	18.08	40.00	-21.92

All other emission levels had a test margin of greater than 25 dB.

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Radiated Emissions Test Results cont'd

The environmental test conditions were:

Temperature	24ºC
Pressure	1018 mb
Relative Humidity	30%

Test Configuration 4

FCC CFR 47 Part 15, Subpart B, Class B

Date of test: May 30, 2007

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)
31.94	H	3.99	103	QP	41.30	-18.47	22.83	40.00	-17.17
33.61	V	3.94	95	QP	37.93	-19.07	18.86	40.00	-21.14
63.92	H	3.74	217	QP	42.62	-22.21	20.41	40.00	-19.59
100.66	H	1.90	283	QP	45.18	-19.86	25.32	43.50	-18.18
168.06	V	1.71	129	QP	36.45	-17.66	18.79	43.50	-24.71
177.62	H	1.79	270	QP	36.10	-16.95	19.15	43.50	-24.35
201.34	V	1.96	104	QP	36.08	-13.78	22.30	43.50	-21.20
201.36	H	1.68	222	QP	39.68	-13.78	25.90	43.50	-17.60

All other emission levels had a test margin of greater than 25 dB.

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Radiated Emissions Test Data Results

Test Configuration 1

The environmental test conditions were: Temperature 24ºC
Pressure 1021 mb
Relative Humidity 30%

Date of test: May 29, 2007
Test Distance was 3.0 metres.

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/antenna / cables/ filter	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)
(MHz)	(V/H)	(metres)	(Deg.)						
34.241	H	3.99	330	QP	34.93	-18.96	15.77	40.00	-24.23

All other emission levels had a test margin of greater than 25 dB.

Test Configuration 2

The environmental test conditions were: Temperature 24ºC
Pressure 1018 mb
Relative Humidity 30%

Date of test: May 30, 2007
Test Distance was 3.0 metres.

Frequency	Antenna		Test Angle	Detector	Measured Level	Correction Factor for preamp/antenna / cables/ filter	Field Strength Level (reading+corr)	Limit @ 3.0 m	Test Margin
	Pol.	Height		(Q.P. or Peak)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)
(MHz)	(V/H)	(metres)	(Deg.)						
-	-	-	-	-	-	-	-	-	-

All emission levels had a test margin of greater than 25 dB.

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