China

EMC TEST REPORT

Report Number	:	**68/760.8.138.01**	Date of Issue:	4 Dec 2008

Model	:	**PC-88903**
Product Type	:	Notebook
Applicant	:	Wanlida Group Co., Ltd.
Address	:	No. 618 Jiahe Road
	:	Xiamen Fujian, China
Production Facility	:	Wanlida Group Co., Ltd.
Address	:	No. 618 Jiahe Road
		Xiamen Fujian, China

Test Result	:	■ **Positive** ☐ **Negative**
Total pages including Appendices	:	15

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2 Details about the Test Laboratory

Details about the Test Laboratory

Company name: TÜV SÜD China, Shenzhen Branch
28/F Anlian Building,
4018 Jintian Road,
Futian District,
Shenzhen,P.R.C.

Telephone: 86 755 8828 6998
Fax: 86 755 8828 5299

Company name: China Shenzhen Academy of Metrology and Quality Inspection,
Metrology and Quality Inspection building,
Central Section of LongZhu Road,
Nan Shan,
Shenzhen,

Telephone: 755 2694 1599
Fax: 755 2694 1545

3 Description of the Equipment Under Test

Description of the Equipment Under Test

Product:	Notebook
Model no.:	PC-88903
Serial number:	NIL
Options and accessories:	NIL
Rating:	DC 12V 3A, 36W AC Adaptor: Model: MPA-12030 Input: 100-240V ~ 50/60Hz 0.65A MAX Ouput: +12V DC 3A
Antenna:	Integral antenna inside enclosure of EUT, NOT accessible by end user
RF Transmission Frequency:	2412-2462MHz
Description of the EUT:	The EUT Consists 2 antennas for transmitter. Only one antenna will operate in the same time.

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4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B	PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators

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5 Summary of Test Results

Technical Requirements				
FCC Part 15 Subpart C				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
15.107 Conducted Emission AC Power Port	8	☒	☐	☐
15.109 Spurious radiated emissions	12	☒	☐	☐

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6 General Remarks

Remarks
This submittal(s) (test report) is intended for FCC ID: SMF-PC88903 filing to comply with Section 15.107，15.109 of the FCC Part 15, Subpart B Rules.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

☐ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

☐ - **Does not** fulfill the general approval requirements.

Sample Received Date: Nov 27 2008

Testing Start Date: Nov 29 2008

Testing End Date: Dec 4 2008

- TÜV SÜD CHINA, SHENZHEN BRANCH -

Reviewed by:

Paul Yu
EMC Project Manager

Prepared by:

Louis Lin
EMC Assistant Project Manager

TÜV SÜD China, Shenzhen Branch, 4018 Jintian Road, 28/F Anlian Building, Futian District, Shenzhen, P.R.C., Tel. +86 755 8828 6998, Fax: +86 755 8828 5299

7 Technical Requirement

7.1 Conducted Emission

Test Method

1 The EUT was placed on a table, which is 0.8m above ground plane
2 The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3 Maximum procedure was performed to ensure EUT compliance
4 A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions from both sides of AC line

Test Mode
Run Test Program
-The test program BIT.exe exercises all the drive and ports of the EUT, and displaying scrolling H on the screen.

Limit

Frequency MHz	QP Limit dBµV	AV Limit dBµV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

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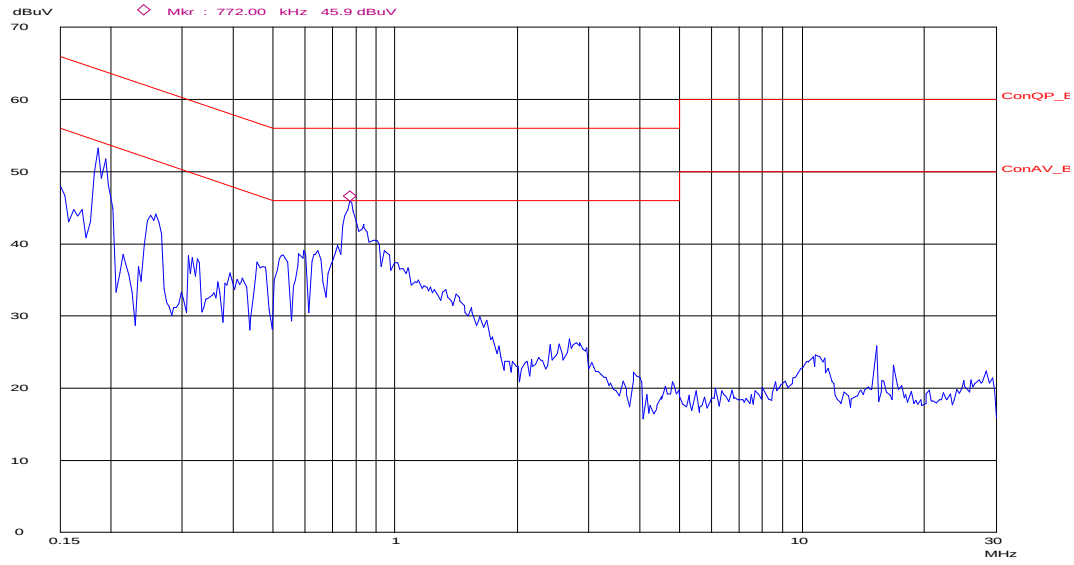
Conducted Emission

Conducted Disturbance

EUT: M/N:PC-88903
Op Cond: Run test program
Test Spec: L
Comment: AC 120V/60Hz



Frequency MHz	Cable Loss dB	Reading dBµV	QP Test result dBµV	QP Limit dBµV	Margin dB
0.186	9.8	40.2	50.0	64.2	14.2
0.258	9.8	30.6	40.4	61.5	21.1
0.458	9.8	23.9	33.7	56.7	23
0.532	9.9	15.5	25.4	56	30.6
0.648	9.9	25.9	35.8	56	20.2
0.772	9.9	32.4	42.3	56	13.7

Frequency MHz	Cable Loss dB	Reading dBµV	AV Test result dBµV	AV Limit dBµV	Margin dB
0.186	9.8	23.7	33.5	54.2	20.7
0.258	9.8	13.9	23.7	51.5	27.8
0.458	9.8	14.6	24.4	46.7	22.3
0.532	9.9	17.6	27.5	46	18.5
0.648	9.9	17.2	27.1	46	18.9
0.772	9.9	23.7	33.6	46	12.4

Remark: Test Result= Reading + Cable Loss

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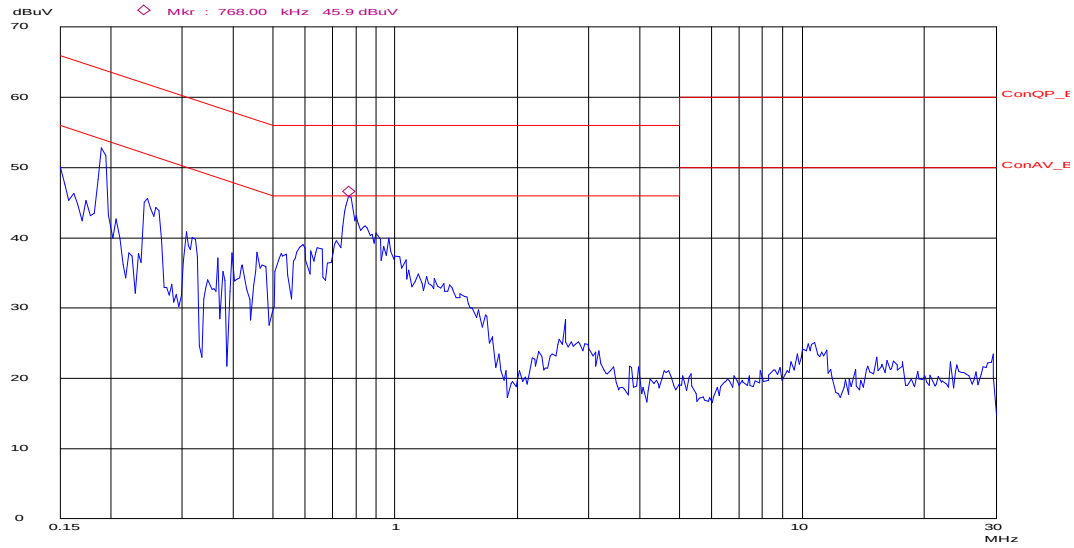
Conducted Emission

Conducted Disturbance

EUT: M/N:PC-88903
Op Cond: Run test program
Test Spec: N
Comment: AC 120V/60Hz



Frequency MHz	Cable Loss dB	Reading dBµV	QP Test result dBµV	QP Limit dBµV	Margin dB
0.190	9.8	40.9	50.7	64.0	13.3
0.246	9.8	31.2	41.0	61.8	20.8
0.306	9.8	24.9	34.7	60.0	25.3
0.458	9.8	21.1	30.9	56.7	25.8
0.592	9.9	25.5	35.4	56	20.6
0.768	9.9	32.6	42.5	56	13.5

Frequency MHz	Cable Loss dB	Reading dBµV	AV Test result dBµV	AV Limit dBµV	Margin dB
0.190	9.8	26.3	36.1	54.0	17.9
0.246	9.8	15.2	25.0	51.8	26.8
0.306	9.8	8.5	18.3	50.0	31.7
0.458	9.8	5.9	15.7	46.7	31
0.592	9.9	18.0	27.9	46	18.1
0.768	9.9	24.3	34.2	46	11.8

Remark: Test Result= Reading + Cable Loss

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Test Equipment List

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESCS30	100003	Jan 23 2009
AMN	Rohde & Schwarz	ESH3-Z5	100229	Jan 23 2009
AMN	Rohde & Schwarz	ENV216	100042	Jan 23 2009

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7.2 Radiated emissions

Test Method

1 The EUT is placed on a turntable, which is 0.8m above ground plane.
2 The turntable shall be rotated for 360 degrees to determine the position of maximum emission level
3 EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4 Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5 Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Test Mode
Run Test Program
-The test program BIT.exe exercises all the drive and ports of the EUT, and displaying scrolling H on the screen.

Limit

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

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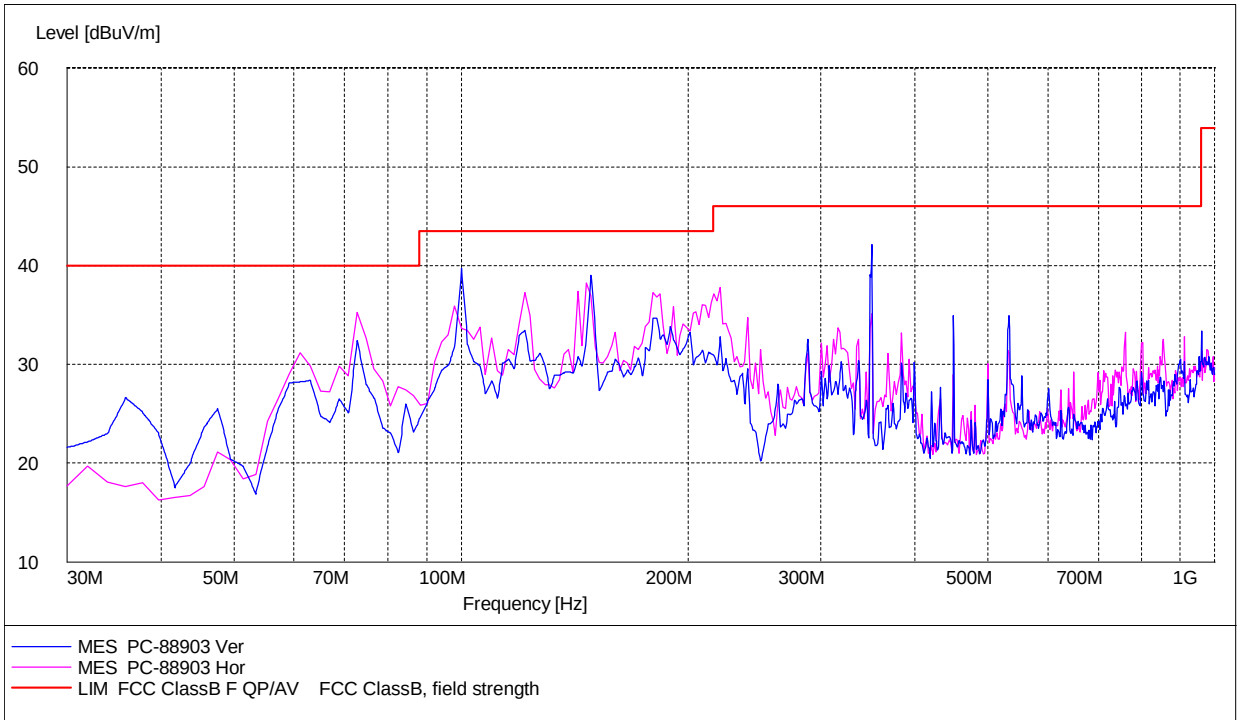
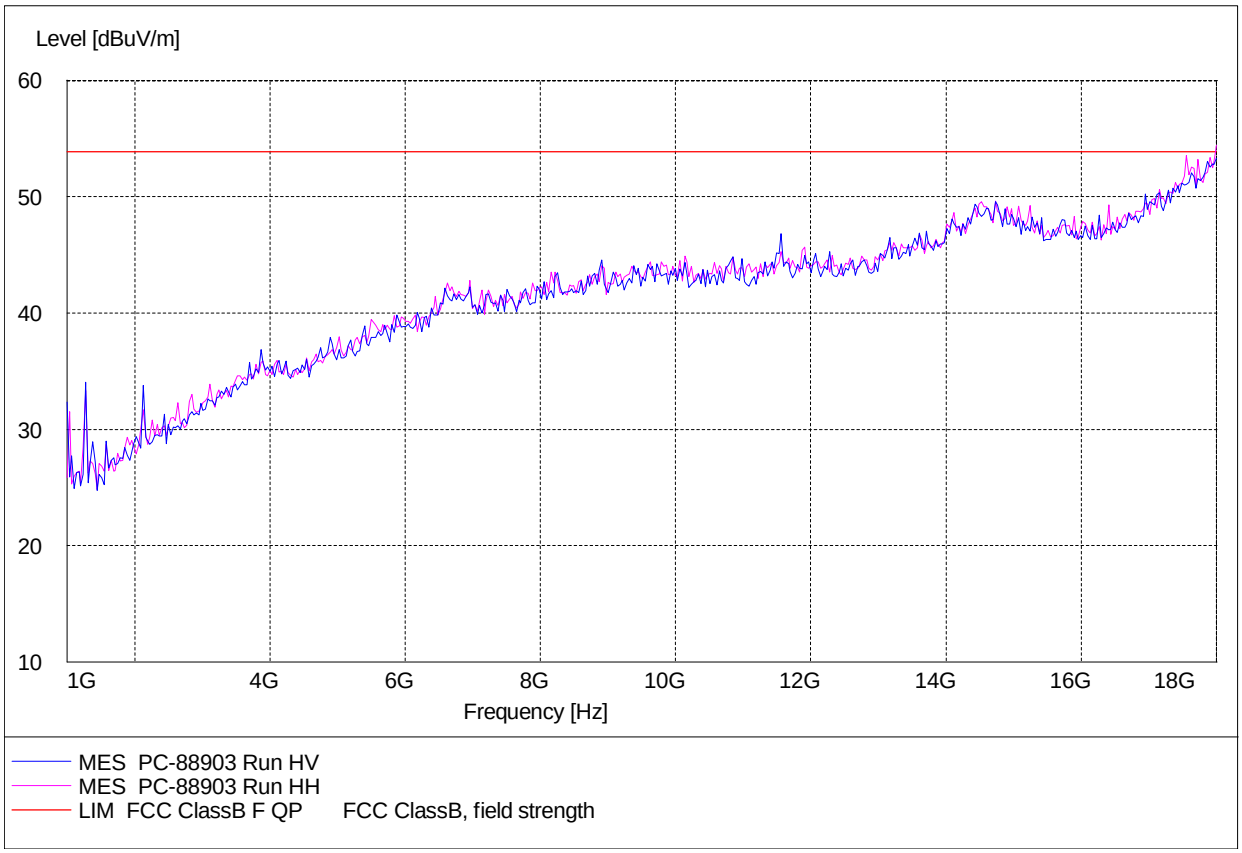
Radiated Emission





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Radiated Emission

Run Test Program mode Test Result

Frequency MHz	Cable Loss dB	Antenna Factor dB/m	Reading dBuV	Emission Level dBuV/m	Polarization	Limit dBµV/m	Detector	Result
72.920	1.4	7.8	25.3	34.5	Horizontal	40.0	QP	Pass
122.367	1.9	12.8	17.7	32.3	Horizontal	40.0	QP	Pass
147.475	2.1	11.3	23.2	36.6	Horizontal	43.5	QP	Pass
99.931	1.6	11.9	24.8	38.3	Vertical	43.5	QP	Pass
149.904	2.1	11.3	23.7	37.1	Vertical	43.5	QP	Pass
349.714	3.2	15.4	23.9	42.5	Vertical	46.0	QP	Pass

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Test Equipment List

Radiated Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESI26	838786/013	Jan 23 2009
Bilog Antenna	Chase	CBL6112B	2591	Jan 23 2009
Signal Generator	Rohde & Schwarz	SMR20	100047	Jan 23 2009
Antenna	Schwarzbeck	VUBA9117	115	Jan 23 2009
Horn Antenna	Rohde & Schwarz	HF906	100013	Jan 23 2009

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