

# FCC TEST REPORT

For

**Wireless Router**

**Model Number: VWRT510,WRT500**

**FCC ID: Y2PWRT500**

**Report Number : WT148001961**

Test Laboratory : Shenzhen Academy of Metrology and Quality  
Inspection  
National Digital Electronic Product Testing Center

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## Test report declaration

Applicant : Phonex Broadband Corporation  
Address : 6952 High Tech Drive Suite B, Midvale, Utah, 84047  
Manufacturer : ReadyNet (a dba of Phonex Broadband Corporation)  
Address : 6952 S. High Tech Dr. Suite B, Midvale, UT 84047  
EUT : Wireless Router  
Description :  
Model No : VWRT510,WRT500  
Trade mark : ReadyNet  
Serial Number : --  
FCC ID : Y2PWRT500


Test Standards:

**FCC Part 15 15.207, 15.209, 15.247(2012)**

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 15.207, 15.209 and 15.247.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project  
Engineer:

  
(Liu Zheng)


Date: 2014.06.17

Checked by:

  
(Yang Dongping)

Date: 2014.06.17

Approved by:

  
(Lin Bin)

Date: 2014.06.17

## TABLE OF CONTENTS

<b>TEST REPORT DECLARATION .....</b>	<b>2</b>
<b>1. TEST RESULTS SUMMARY .....</b>	<b>4</b>
<b>2. GENERAL INFORMATION .....</b>	<b>5</b>
2.1. Report information .....	5
2.2. Laboratory Accreditation and Relationship to Customer .....	5
2.3. Measurement Uncertainty .....	6
<b>3. PRODUCT DESCRIPTION .....</b>	<b>7</b>
3.1. EUT Description .....	7

## 1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB DTS bandwidth measurement	15.247 (a) (2)	Pass
Maximum Peak Conducted Power	15.247 (b) (3)	Pass
Maximum Power Spectral Density Level	15.247 (3)	Pass
Conducted Bandedge and Spurious	15.247 (d)	Pass
Radiated Bandedge and Spurious	15.247 (d) 15.209 15.205	Pass
Conducted emission test for AC power port	15.207	Pass
Antenna Requirment	15.203	Pass

Remark: "N/A" means "Not applicable."

## **2. GENERAL INFORMATION**

### **2.1. Report information**

- 2.1.1. This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.
- 2.1.2. The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.
- 2.1.3. Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

### **2.2. Laboratory Accreditation and Relationship to Customer**

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at Bldg. of Metrology & Quality Inspection, Longzhu Road, Nanshan District, Shenzhen, Guangdong, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number are 446246 806614 994606(semi anechoic chamber).

The Laboratory is listed in Voluntary Control Council for Interference by Information Technology Equipment (VCCI), and the registration number are R-1974(open area test site) , R-1966(semi anechoic chamber),C-2117(mains ports conducted interference measurement) and T-180(telecommunication ports conducted interference measurement).

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 11177A-1 11177A-2.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is E2024086Z02.

### **2.3.Measurement Uncertainty**

Conducted Emission

9kHz~30MHz 3.5dB

Radiated Emission

30MHz~1000MHz 4.5dB

1GHz~18GHz 4.6dB

### 3. PRODUCT DESCRIPTION

#### 3.1. EUT Description

Description	: Wireless Router
Manufacturer	: ReadyNet (a dba of Phonex Broadband Corporation)
Model Number	: VWRT510,WRT500
Operate Frequency	: 2.412GHz~2.462GHz
Antenna Designation	: Dipole Antenna 5dBi

Remark:

ReadyNet Model VWRT510 to ReadyNet model WRT500, except that each model currently has a different color of enclosure, and model VWRT510 has an active phone port while model WRT500 does not have a phone port. Therefore, there is no difference between these models in regard to safety or EMC characteristics.

Hardware of VWRT510 as same as FCC ID:Y2PVWRT510, all test data refer report NO: WT 138002212