

MEASUREMENT REPORT of *Wireless LAN Access Point*

Applicant : Procomp Informatics Ltd.
Model No. : PW-8120AR
EUT : Wireless LAN Access Point
FCC ID : MAA-PW8120AR
Report No. : R2415719

Tested by :

Training Research Co., Ltd.

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No. 255, Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C.

CERTIFICATION

We here by verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made mainly in accordance with the procedures given in ANSI C63.4 (1992) as a reference. All test were conducted by **Training Research Co., Ltd.**, 255 Nanyang Street, Shijr, Taipei Hsien 221, Taiwan, R.O.C. Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is in compliance with the technical requirements set forth in the FCC Rules Part 15 Subpart C Section 15.247.

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Taiwan, R.O.C.
EUT : Wireless LAN Access Point
Model No. : PW-8120AR
FCC ID : MAA-PW8120AR
Report No. : R2415719
Test Date : November 27, 2002

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I . GENERAL

1.1 Introduction

The following measurement report is submitted on behalf of applicant in support that the *Wireless Access Point* certification in accordance with Part 2 Subpart J and Part 15 Subpart A and C of the Commission's Rules and Regulations.

1.2 Description of EUT

EUT	:	Wireless LAN Access Point
Model No.	:	PW-8120AR
FCC ID	:	MAA-PW8120AR
Frequency Range	:	2.412 GHz ~ 2.462GHz
Support Channel	:	11 Channel
Modulation Skill	:	DBPSK, DQPSK, CCK
Power Type	:	By the Power adaptor M/N: SA0105-A I/P: 100-240Vac, 50-60Hz; O/P: +5VDC, 1.4A
Data Cable	:	RJ45 cable x 1 -- 30m long, non-shielded, no ferrite core USB cable x 1 -- 1.85m long, shielded, no ferrite core
Power Cable	:	190cm long, non-shielded, no ferrite core

1.3 Test method

- 1 Using the LAN port of far-end computer and software provided by the manufacturer to control the EUT. The test is performed under those specific conditions.
- 2 Then making access to the mode of continuous transmission and set testing channel. The test is performed under those specific conditions

1.4 Description of Support Equipment

In order to construct the minimum testing, following equipment were used as the support units.

Notebook	:	ASUSTek Computer
Model No.	:	AB00F
Serial No.	:	24NP016361
FCC ID	:	Doc Approved
BSMI	:	41016012
Power type	:	100 ~ 240VAC, 1A 50/60 Hz, Switching
 Adaptor	:	 LITE-ON Electronics, Inc.
Model No.	:	PA-1530-01
Serial No.	:	00151184
FCC ID	:	Doc Approved
檢磁	:	3882B259
Power cable	:	Non-shielded, 1.72m length, Plastic hood, No ferrite core (Between power adaptor and AC power source)
Power cable	:	Shielded, 1.48m length, Plastic hood, with ferrite core (Between power adaptor and notebook)
 HUB	:	 D-Link
Model No.	:	DGS-1008T
FCC ID	:	N/A, DoC Approved
Power type	:	I/P: 100 ~ 240vac, 50 ~ 60 Hz, 0.7A
Power cord	:	Non-shielded, no ferrite core, 1.90m long
 USB Mouse	:	 Logitech
Model No.	:	M-BA47
Serial No.	:	LZE92250027
FCC ID	:	Doc Approved
檢磁	:	4872A220
Power type	:	By PC
Data cable	:	Shielded, 1.8m long, Plastic, No ferrite core

Notebook : IBM Think Pad X20

Model No. : 2662-11T
Serial No. : FX-1192200/09
FCC ID : N/A, Doc Approved
檢磁 : 3892B565

Adaptor : IBM

Model No. : PA2450U
Serial No. : 02K6654
FCC ID : N/A, Doc Approved
Power type : I/P: 100 ~ 240vac, 50 ~ 60 Hz, 0.5A ~ 1.2A O/P: 16Vdc, 4.5A
Power cord : Non-shielded, 1.80m long, Plastic, with ferrite core

Fax/Modem : Aceex

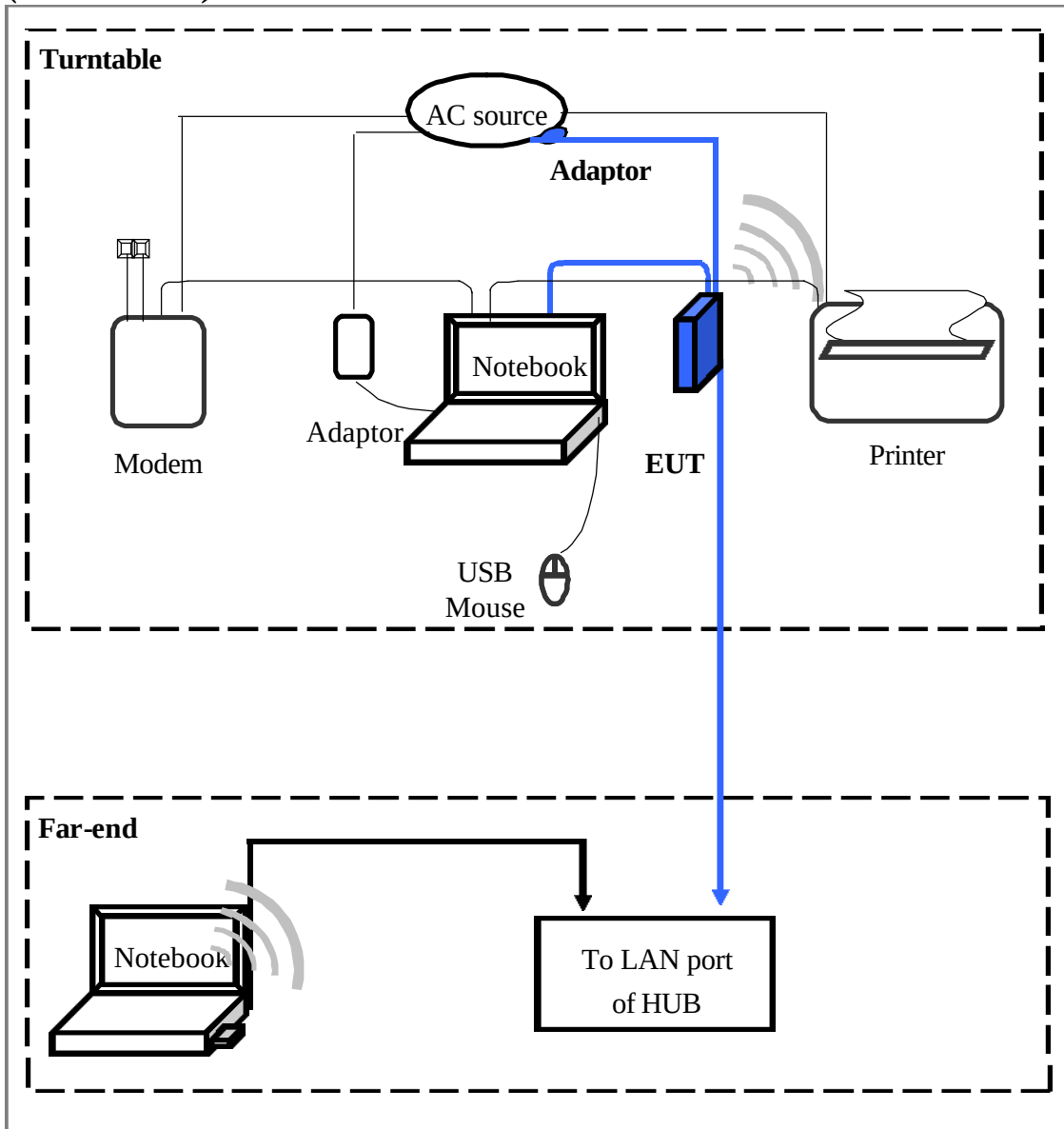
Model No. : DM-1414
Serial No. : 9010582
FCC ID : IFAXDM1414
Power type : 110 VAC / 50 ~ 60 Hz, Switching
Power Cord : Non-shielded, 1.90m long, Plastic hoods, and no ferrite bead
Data Cable : RS-232→Shielded, 1.30m long, Metal hoods , No bead
RJ-11Cx2→Non-shielded, 7' long, Plastic hoods, No bead

Printer : HP

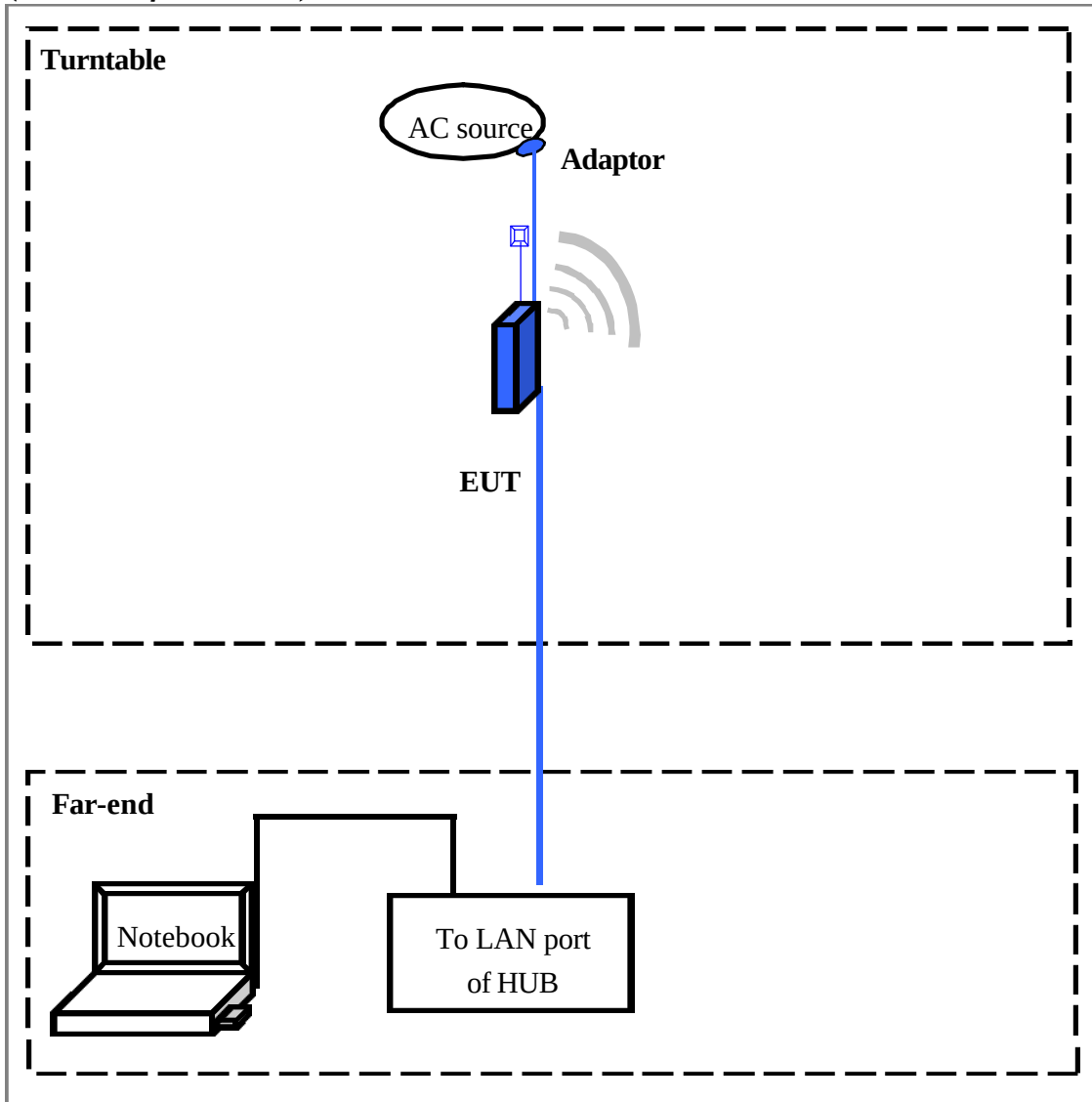
Model No. : C6464A
Serial No. : TH16LEB5PK
FCC ID : N/A, DoC Approved
檢磁 : 3892H381
Power type : Switching adaptor
Power cord : Non-shielded, 173cm long, No ferrite core
(between adaptor and AC source)
Non-shielded, 180cm long, with ferrite core
(between printer and adaptor)
Data cable : Shielded, 1.70m long, No ferrite core

1.5 Configuration of System Under Test

(Conducted Test)



(Radiated of intentional)



The tests below are carried with the EUT transmitter set at high power in TDD mode. The EUT is forced to select of output power level and channel number by notebook computer using with the utility provided by the manufacturer. The setting up procedure was recorded in <1.3> test method.

Connections of Computer

Notebook:

- *Parallel Port --- a printer
- *Serial Port --- an external modem
- *USB Port --- USB mouse
- *USB Port --- **EUT**

Connections of EUT

Power adaptor:

- M/N: SA-0105-A
- I/P: 100-240Vac, 50-60Hz,
- O/P: +5VDC, 1.4A
- *Power cable of adaptor x 1
- 190cm long, non-shielded, no ferrite core

Wireless Access Point:

****External Antenna Port***

- ***Disability***
- *RJ45 Cable x 1
- 30m long, non-shielded, no ferrite core
- *USB Cable x 1
- 1.85m long, shielded, no ferrite core