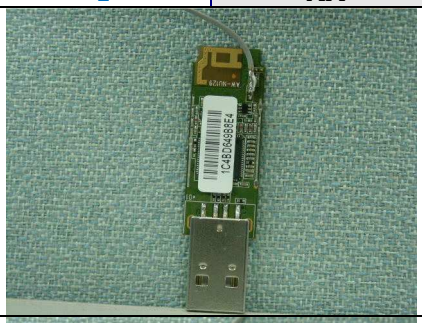
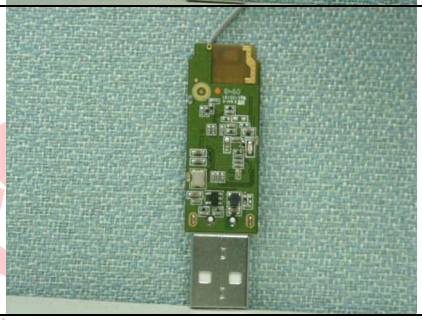
AW-NU129
Power Consumption
Test Report

Table of Contents

1.0 Device Information

1.1 DUT

Model Name	AW-NU129			
Chip	Ralink			
Hardware Version	01			
MAC Address	1C-4B-D6-49-B8-E4			
Interface	USB			
Initial Condition	25°C			
Front end type	**TX**	1	**RX**	1
Picture				
				

1.2 Software

Normal driver Version	AZ_RT2870_XP_1.4.9.0_20091203
RF Utility Version	0026O
Operation System	Windows XP SP3 x86

1.3 Test Bed

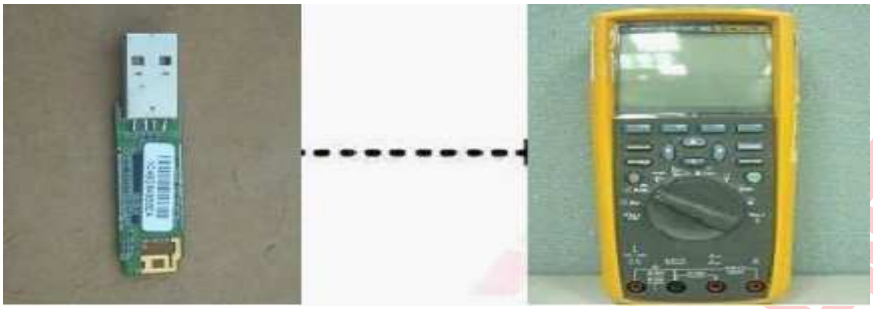
Test Bed	K9VGM-V
BIOS	Phoenix W7253VMS 1.7 102307
CPU	AMD Athlon 64 x2 Dual core 3600+
RAM	2 Ghz

2.0 Power Consumption

2.1 Purpose

To verify power consumption of the DUT.

2.2 Test Procedure



-Pic-01-

1. Insert the WLAN module and power on the NB. Install the driver.
2. Go to "Start->Network->Network and Sharing Center->Connect to a Network" and make sure the NB doesn't connect to AP. Measure the power consumption.
3. Let the NB Connect to AP. Measure the power consumption.
4. Set up the environment as the Pic-01. Use Desktop for console and connect to AP. Run chariot Tx/Rx in one minute and measure the power consumption.
5. Turn off the RF. Measure the power consumption.
6. All test mode continuous run 10 mins.

2.3 Test Result

Driver Version		AZ_RT2870_XP_1.4.9.0_20091203	
Item		UNIT	Note
WLAN module No Connect AP	AVG	154.8 mA	
	MAX	158.3 mA	
	MIN	144.7 mA	
WLAN module Connect AP	AVG	176.4 mA	
	MAX	185.0 mA	
	MIN	149.5 mA	
WLAN RF OFF		N/A	
Transmit Packet Test HT 40*		199.4 mA	
Receiver Packet Test HT 40*		184.1 mA	

Note: The power consumption data were measured when NB operated in DC (battery) mode.