



WM-N-BM-02_N Mode Throughput

Revision 1.0

March 23, 2012

USI Confidential

Test environment:

[Hardware]

1. Intel X86 PC
2. JMicron SD-host controller
3. WM-N-BM-02 EVB
4. Access Point: 1. Ralink RT3800PDAP2 for BGN mode
2. LinkSys for BGN mode

[Software]

1. Ubuntu 10.04
2. BCM4329 driver, version 5.90.195.18
3. iperf 2.0.4

WiFi Throughput:

1. [Pure WiFi only]

2.4G Band (Ralink)

Band	Direct	Ch-01	Ch-06	Ch-11
B	TX(Mbps) Wifi	Ralink 5.35 Mbps	Ralink 5.32 Mbps	Ralink 5.4 Mbps
	RX(Mbps) Wifi	Ralink 5.34 Mbps	Ralink 5.41 Mbps	Ralink 5.36 Mbps
G	TX(Mbps) Wifi	Ralink 21.8 Mbps	Ralink 21.7 Mbps	Ralink 22.0 Mbps
	RX(Mbps) Wifi	Ralink 22.5 Mbps	Ralink 22.7 Mbps	Ralink 22.8 Mbps
N	TX(Mbps) Wifi	Ralink 41.3 Mbps	Ralink 41.2 Mbps	Ralink 41.4 Mbps
	RX(Mbps) Wifi	Ralink 46.3 Mbps	Ralink 46.3 Mbps	Ralink 46.3 Mbps

2.4G Band (LinkSys)

Band	Direct	Ch-01	Ch-06	Ch-11
B	TX(Mbps) Wifi	Ralink 4.72 Mbps	Ralink 3.89 Mbps	Ralink 5.27 Mbps
	RX(Mbps) Wifi	Ralink 6.19 Mbps	Ralink 6.00 Mbps	Ralink 6.27 Mbps
G	TX(Mbps) Wifi	Ralink 22.4 Mbps	Ralink 22.4 Mbps	Ralink 22.4 Mbps
	RX(Mbps) Wifi	Ralink 25.8 Mbps	Ralink 28.6 Mbps	Ralink 26.2 Mbps
N	TX(Mbps) Wifi	Ralink 38.2 Mbps	Ralink 39.0Mbps	Ralink 39.3 Mbps
	RX(Mbps) Wifi	Ralink 41.9 Mbps	Ralink 42.0 Mbps	Ralink 41.9 Mbps