

# Samsung Linksys WRT54GX Access Point and Samsung X25 Laptop

## Competitive Wireless LAN Performance Evaluation



*“Airgo’s True MIMO technology provides faster and more reliable Wi-Fi connections in the office, at home, and on the road. The True MIMO card embedded in our new Samsung X20/X25 laptops offers a standard 802.11a/b/g connection that outperforms all other embedded solutions on the market.”*

KH Uhm  
VP Marketing  
Samsung

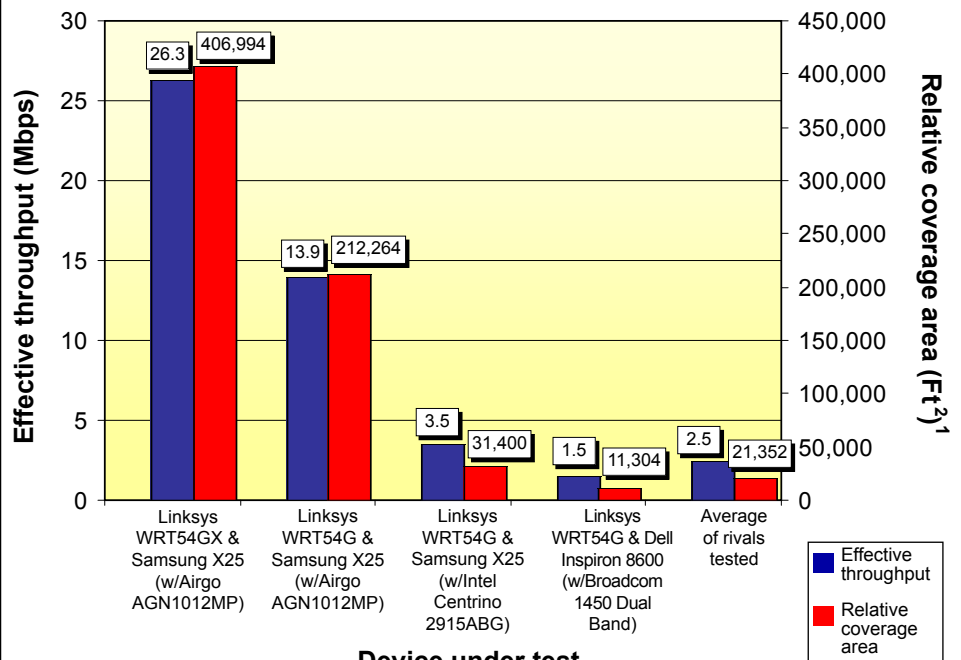


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### Test Highlights

- Demonstrates throughput over 10X greater than the average of competitive devices tested
- Supports Ethernet-speed communications across an area that is 19X greater than the average of rival devices tested
- Provides over 5X the throughput and 10X the coverage even when Airgo True MIMO is on just one end of the wireless link

**Effective Throughput and Relative Coverage Area of 802.11g Broadband Routers Tested as Reported by Iperf ver. 1.7**



<sup>1</sup>Effective coverage area results were based on the area of a circle (A = pi \* r<sup>2</sup>); “r” represents the distance (in feet) that each device was able to send 10-Mbps throughput.

Source: The Tolly Group, May 2005

Figure 1

*Airgo Networks commissioned The Tolly Group to conduct this competitive test. This document does not depict the complete test results and is not intended to be a final representation of the testing efforts. See document 205115 for the full results. rev clk 24 May 05*