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Test report

EnGenius

M36 & M2000

Date: 29-06-2010
Version: 2.0
Language: English

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Purpose of the test.

The M36 and M2000 were tested on performance, configuration and MESH functions.

During the test we looked specifically at the throughput from a normal connection to the AP.
As well as repeating with hops

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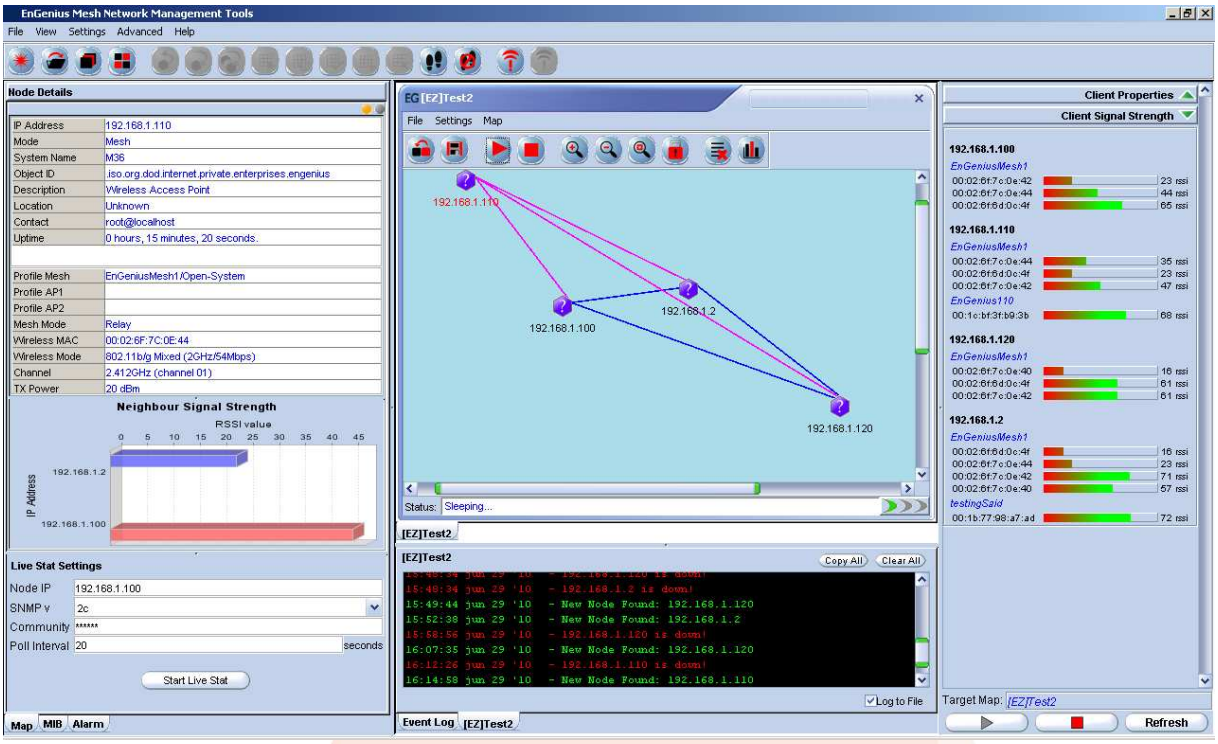
Test position

Position of the units:
AP1 about 20 m from AP2 and AP3.
AP2 and AP3 about 5 m from each other
AP4 about 15 m from AP2 and AP3



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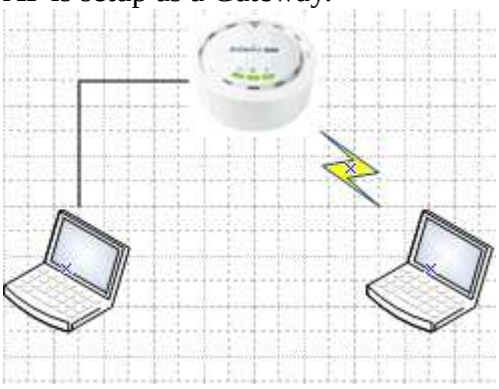
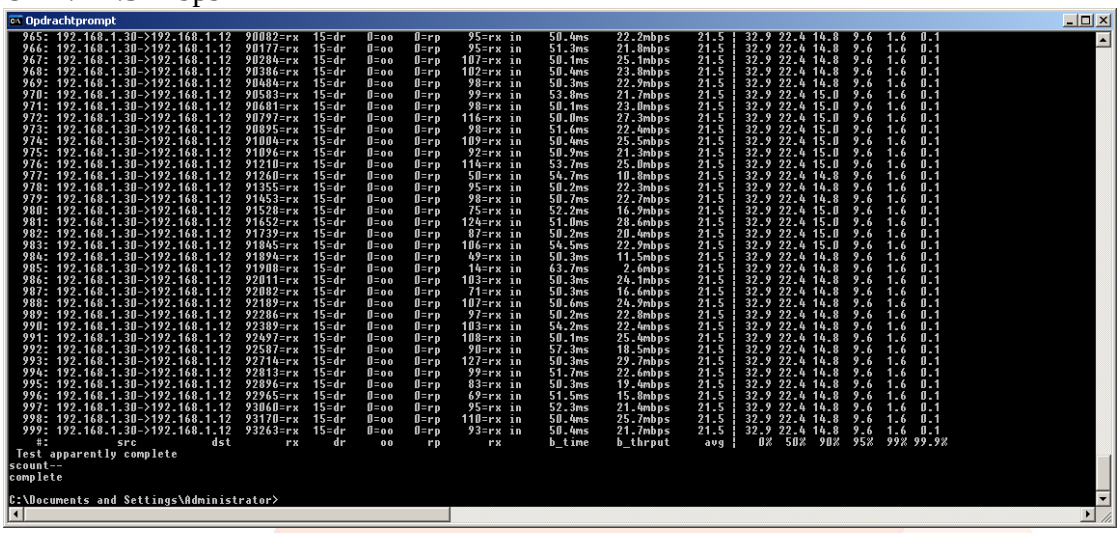
Position and throughput

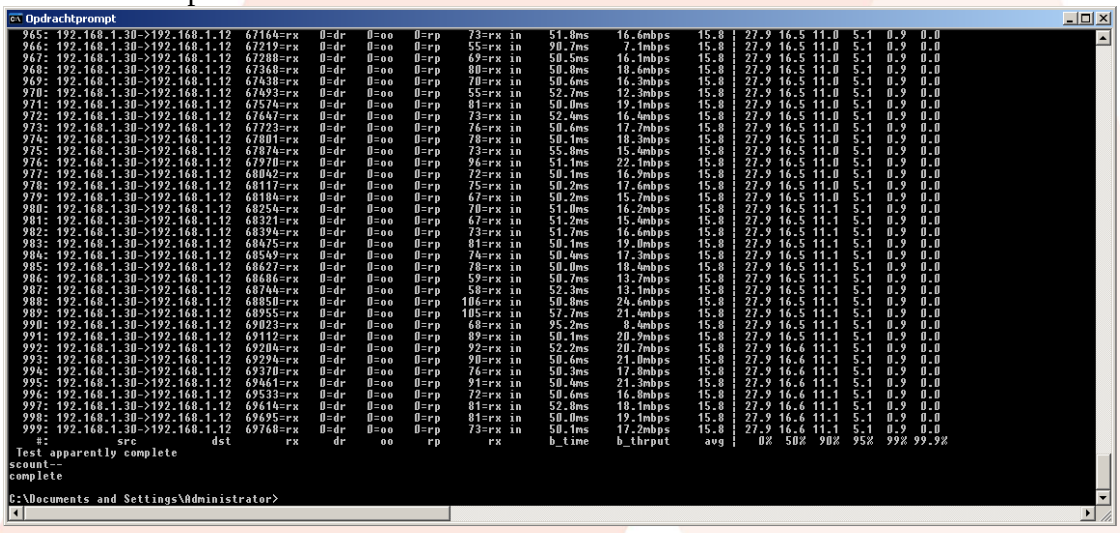
First position, Notebook 1 connected wired to the AP. Notebook to connected wireless to the AP. The AP is setup as a Gateway.



UDP: 21.5 Mbps



TCP: 15.8 Mbps



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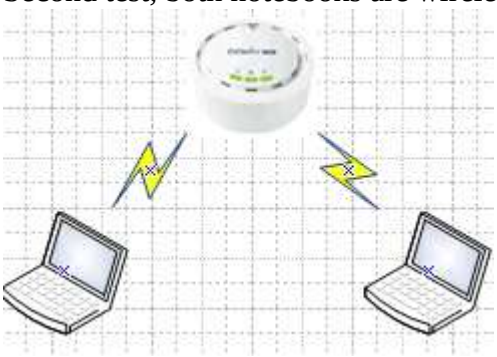
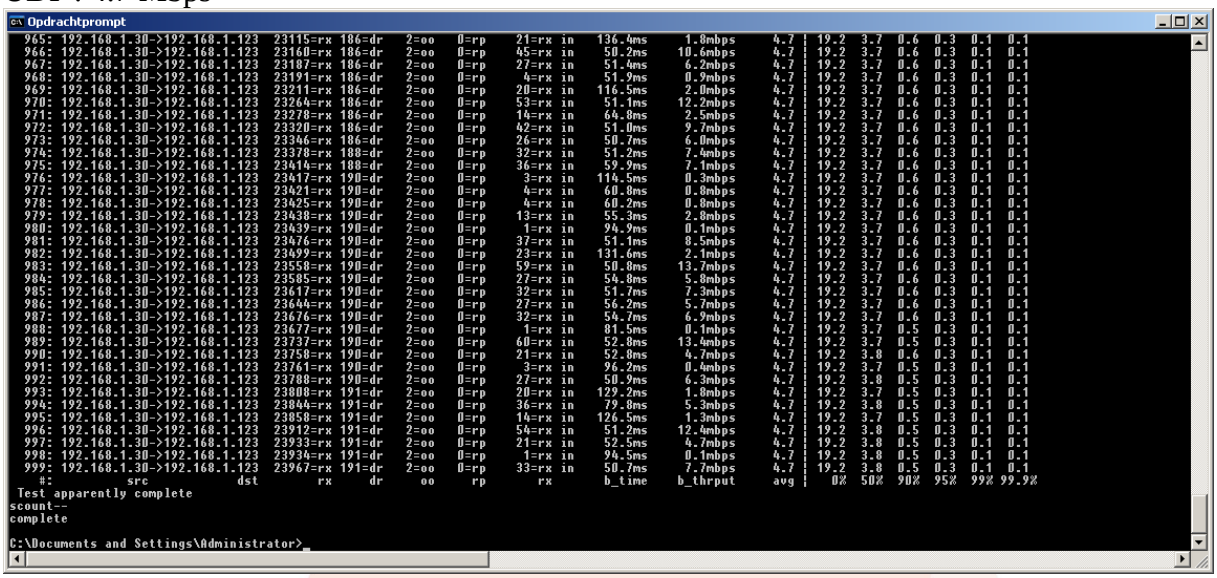
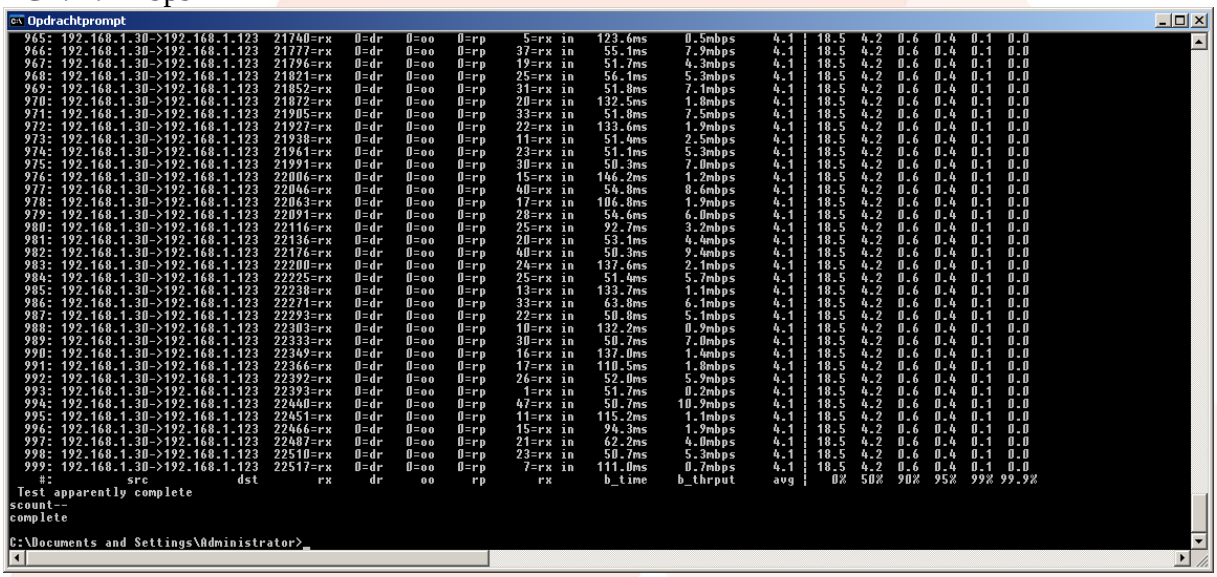
Second test, both notebooks are wireless connected to the AP.



UDP : 4.7 Mbps



TCP: 4.1Mbps



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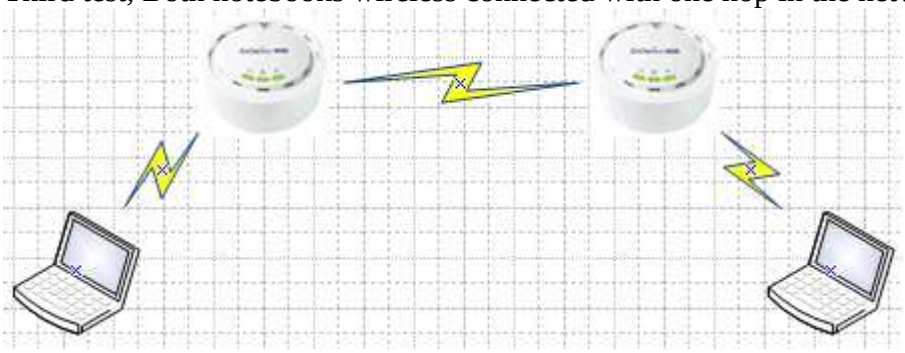
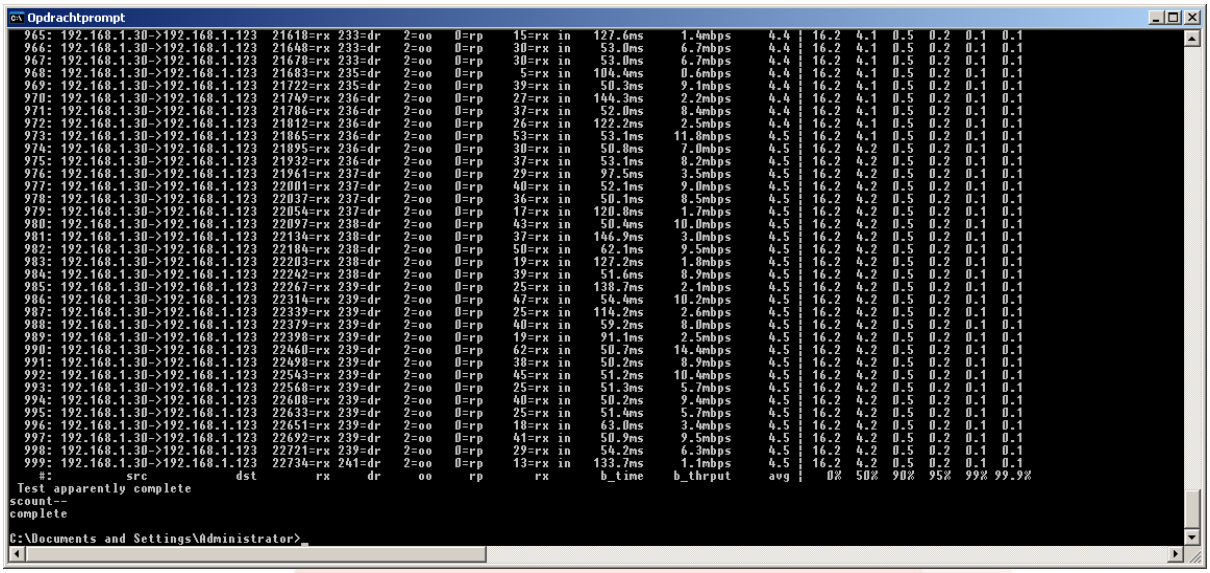
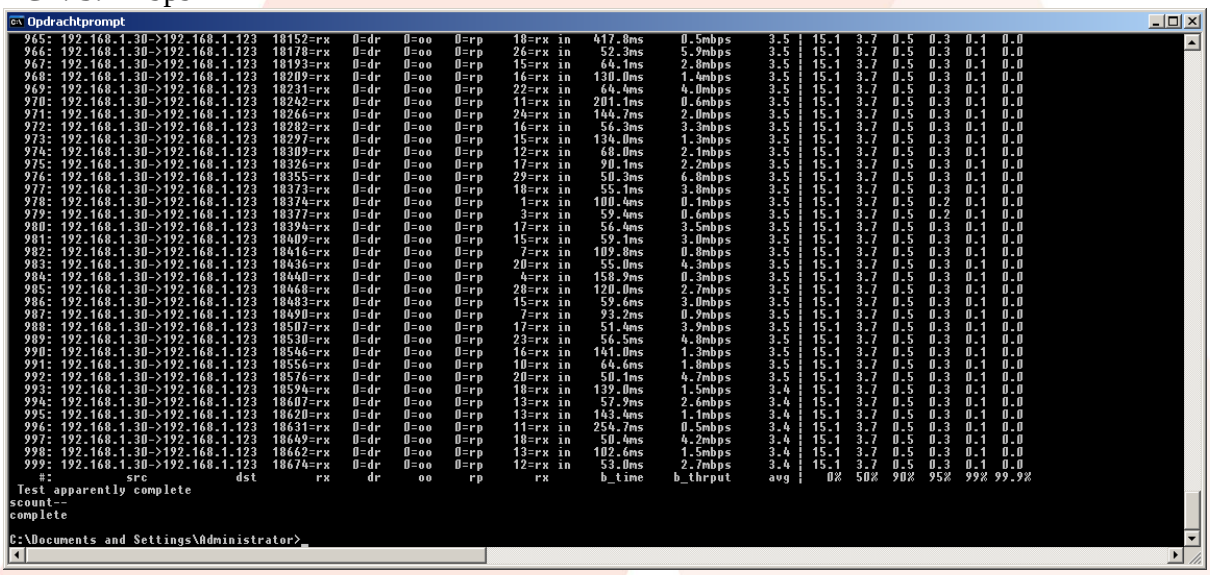
Third test, Both notebooks wireless connected with one hop in the network.



UDP: 4.5 Mbps



TCP: 3.4Mbps



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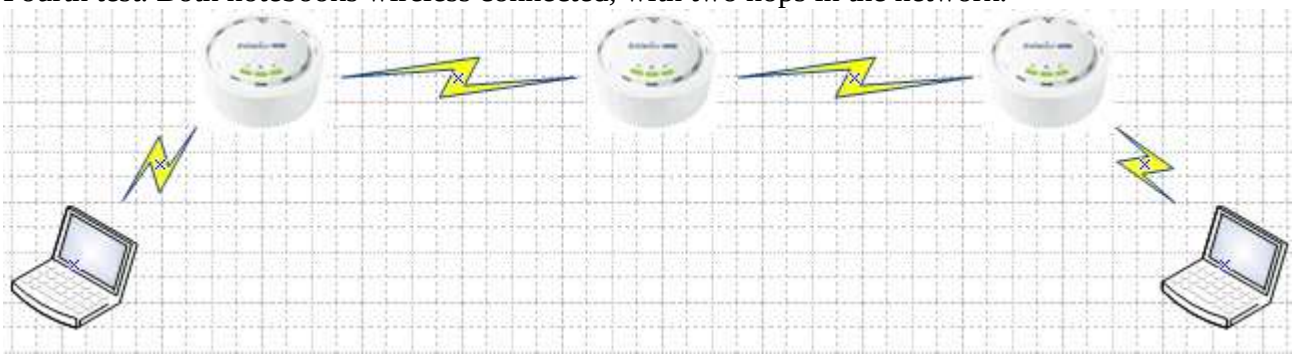
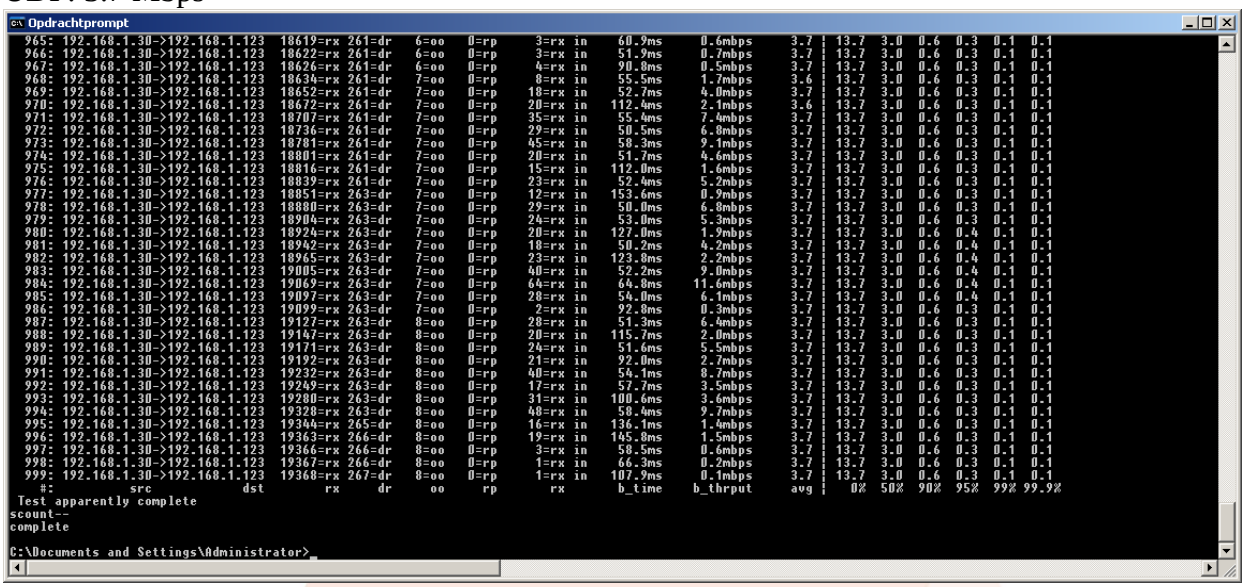
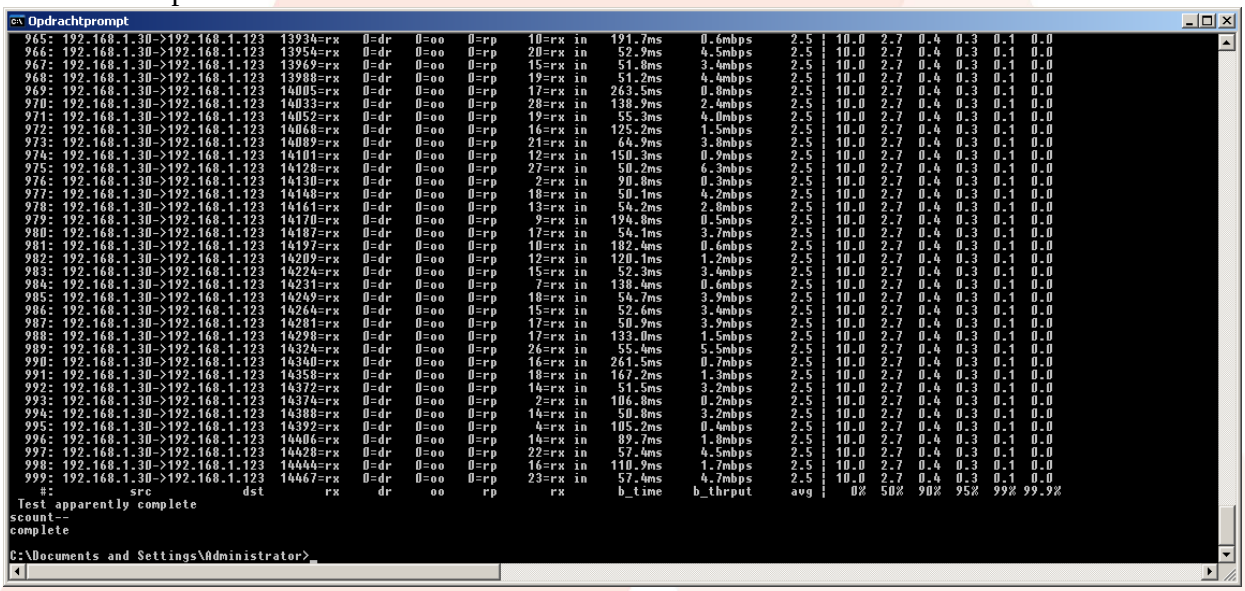
Fourth test. Both notebooks wireless connected, with two hops in the network.



UDP: 3.7 Mbps



TCP: 2.5 Mbps



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Conclusion

The MESH network looks like a WDS network. When a link is down there will be a reconnection for the data stream with a short downtime. It's a single radio MESH network and we see that every hop will downgrade the network with 50% of the throughput.

The MESH management software will monitor the network with a delay. The web GUI of the device devices are very simple. It's the default look and feel of the EnGenius web GUI as we already know it from other models.