



LigoWave

LigoPTP 5-N RapidFire

# TEST REPORT

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Italy



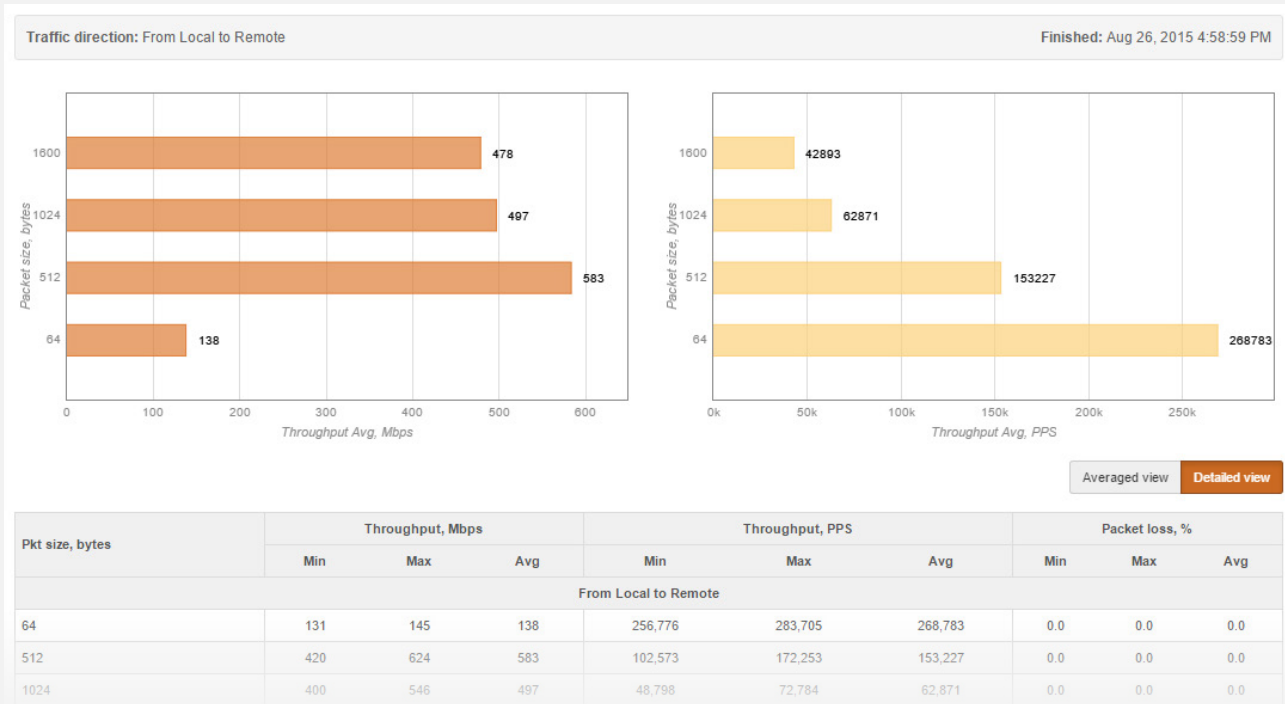
## 6.5 km (4 mi) link in Italy

Netoip - an internet service provider from Italy (Ancona region) has decided to participate in the beta testing program of the new LigoPTP RapidFire wireless backhaul devices and set up a 6.5 km (4 mi) link with external dual-pol directional dish antennas. The link is used for the backhaul of a network that connects multiple base stations serving residential and business customers to provide data, VoIP, and video surveillance services.



The picture above is one side of the link installed in a Serra di San Quirico municipality

## Link test



The internal throughput testing tool indicates LigoPTP RapidFire's capacity and PPS rate with different packet sizes. The maximum throughput in this case was 583 Mbps with 512 byte packets and the max PPS rate was 268,000 with 64 byte packets. The link is using a 80 MHz channel and operates with a -55 dBm signal level.

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The link is very robust and is capable to operate in interference. It handles VoIP traffic and other real time traffic very well. On our link we see a very high throughput

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Giacomo DiNapoli, CEO – Netioip