

LigoPTP 5-N RapidFire

TEST REPORT

Mexico



24 km (14.9 mi) link test in Mexico

PacificNet - LigoWave's distributor in Mexico has installed a beta test link with the civil association of agricultural producers (AUPA EL GRANDE A.C.), who are responsible for modernization of the local farms. The purpose of the link was to provide Internet service connectivity that was not available on the farms before.





Path profile between TX and RX sites

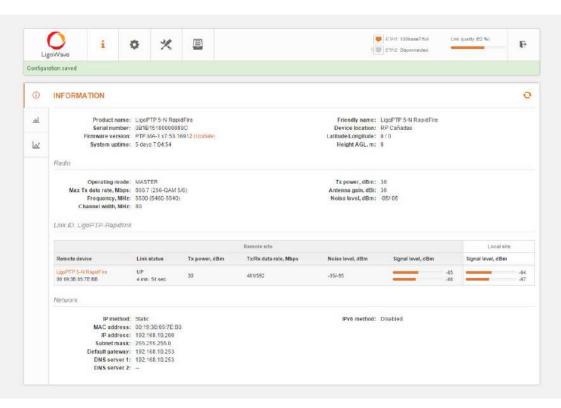


Equipment: LigoPTP RapidFire 5-N

Antenna: 30 dBi directional dual-pol dishes

Height (AGL): 24 m (78.7 ft)

Link stats



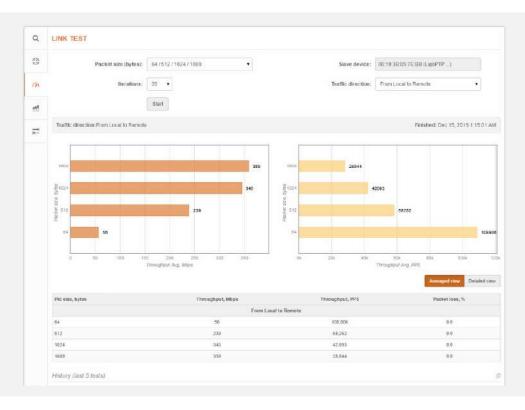
The GUI screenshot above illustrates the main statistical information about the link. The signal level is in the -65 dBm range, which will not allow it to achieve the maximum capacity possible. To improve that, higher gain antennas are necessary.

Spectrum analysis



The spectrum analyzer tool has been improved by adding a waterfall chart. The screenshot above shows a very high interference, which also complicates the communication of the link.

Link test



A screenshot from the link test tool indicates the max capacity of 350 Mbps with 1600 byte packets and a PPS of 108,000 with 64 byte packets.