

FURAK 10 A MIMO

dual RHCP (CCW) & LHCP (CW)

RF levels & performances test.



FURAK 10 A MIMO dual RHCP (CCW) & LHCP (CW) Field RF performances test.



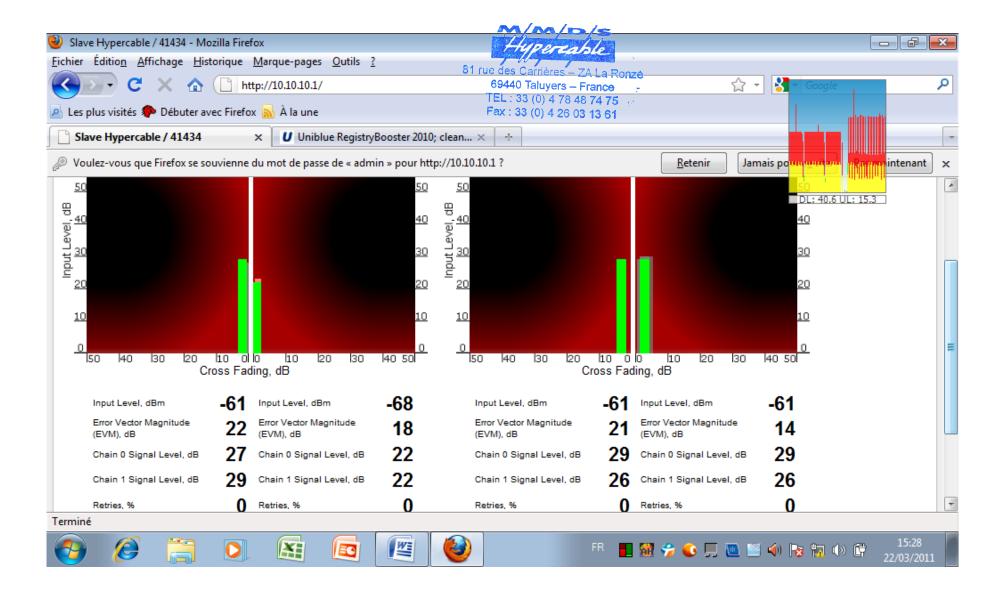
Link 1.5 km on the map Near LOS

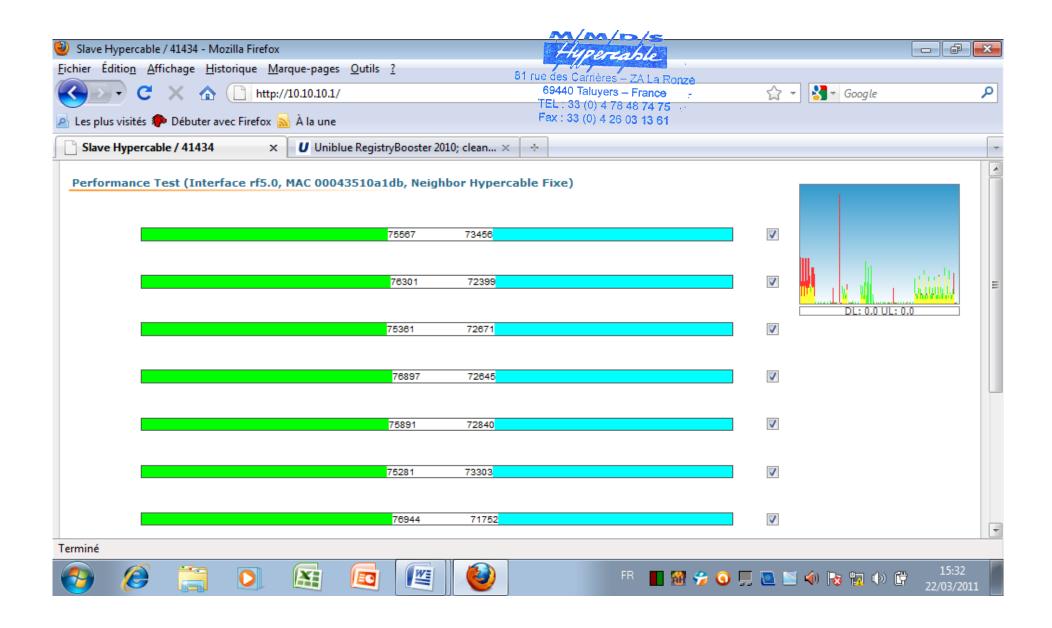


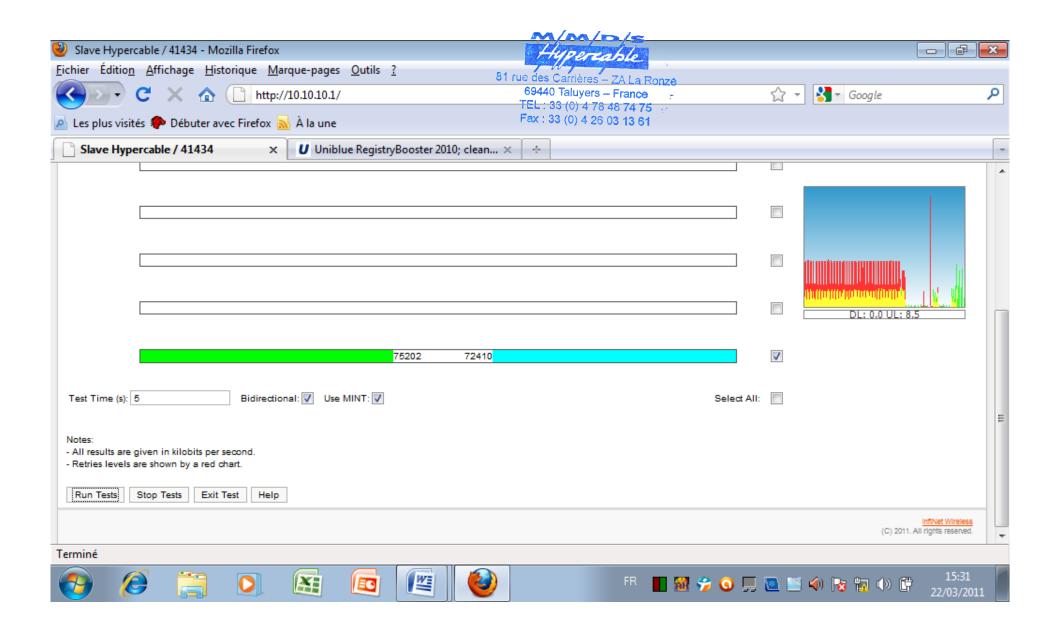
81 rue des Carrières – ZA La Ronze 69440 Taluyers - France Master side

TEL: 33 (0) 4 78 48 74 75 Fax: 33 (0) 4 26 03 13 61

Performances test in Near Line of Sight @ 1.5 km Slave Hypercable / 41434 - Mozilla Firefox _ # X 81 rue des Carrières - ZA La Ronze <u>Fichier Édition Affichage Historique Marque-pages Outils ?</u> 69440 Taluyers - France X http://10.10.10.1/ \$ ₹ م TEL: 33 (0) 4 78 48 74 75 Fax: 33 (0) 4 26 03 13 61 🔺 Les plus visités 🦚 Débuter avec Firefox 🔊 À la une Slave Hypercable / 41434 U Uniblue RegistryBooster 2010; clean... × → Voulez-vous que Firefox se souvienne du mot de passe de « admin » pour http://10.10.10.1 ? Retenir Jamais po × intenant DL: 32.3 UL: 15.0 **Device Status Basic Settings Maintenance** Spectrum Analyzer **Command Line CPU 2%** Memory 42268K / 124211K Flash 4199K / 15875K **-**-----**-**----**---**----Interface Statistics MAC Address Status Mode Rx Packets Rx Errors Tx Packets Tx Errors Interface eth0 00043500a1da Up 100 Mbps Full Duplex 74935 0 56513 0 rf5.0 00043510a1da Up 300 Mbps / 5900 MHz / 40 MHz 56345 2686 96419 51 Wireless Links Statistics for Interface rf5.0 (Hypercable Mobil ID: 41434) Noise -95 dBm Transmit Power Control Retries Load Load Node Distance Bitrate MAC Address Neighbor (dBm) Level (dB) Level (dB) (kbps) (pps) Quality Rx/Tx (Km) Rx/Tx Rx/Tx Rx/Tx Rx/Tx Rx/Tx Rx/Tx Rx/Tx Hypercable 00043510a1db 41435 23/23 27/28 14/13 120/180 0/0 0/0 10/10 Hint: Click on neighbor data to invoke Extended Link Diagnostics menu Terminé W FR 📘 😭 🤧 🔰 💂 🔼 📉 🌖 🗞 📆 🕪 😭 \mathbf{X} EC





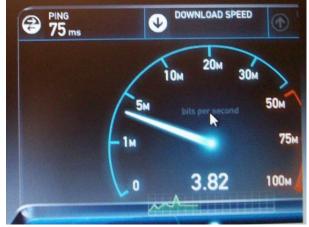






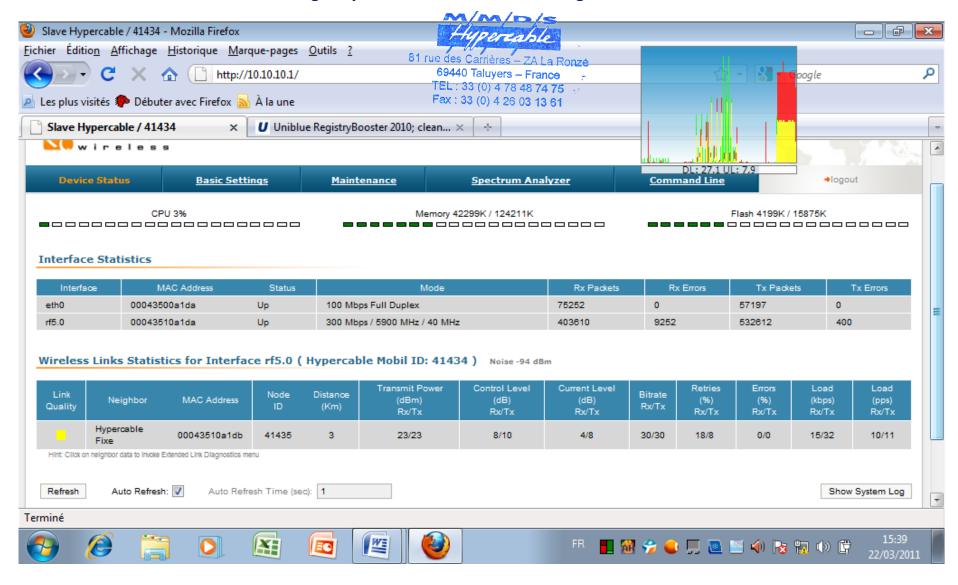
Hypercable ADSL max speed is 4 Mbps down and 0.8 Mpbs Up.
In NLOS link performances are 140 Mbps

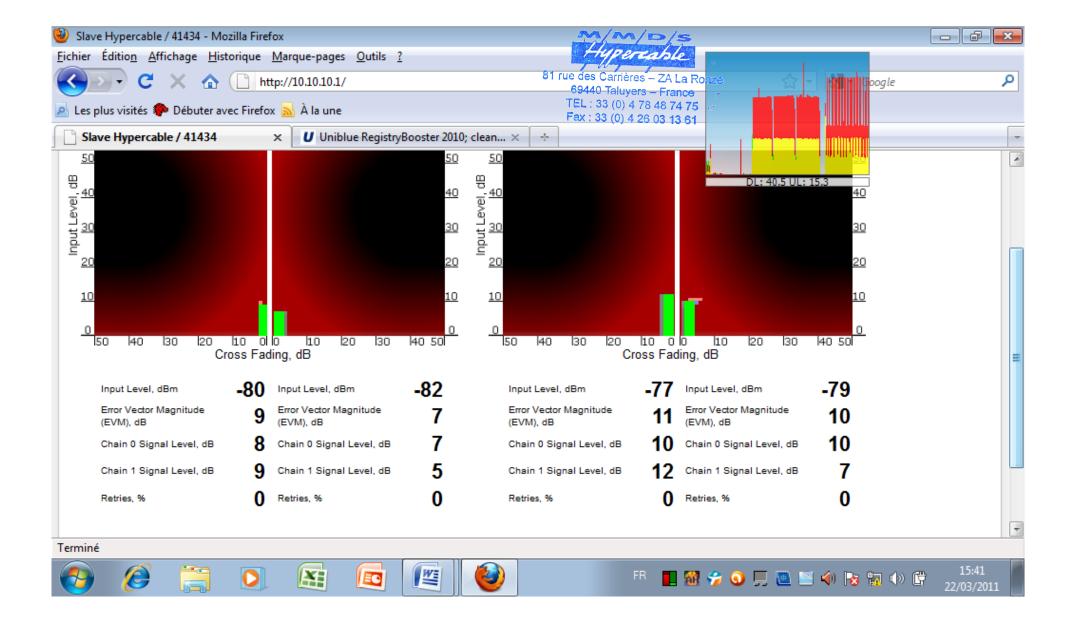
In NLOS link performances are 140 Mbps with 33 dB EIRP and 10 dB Rx antenna Gain



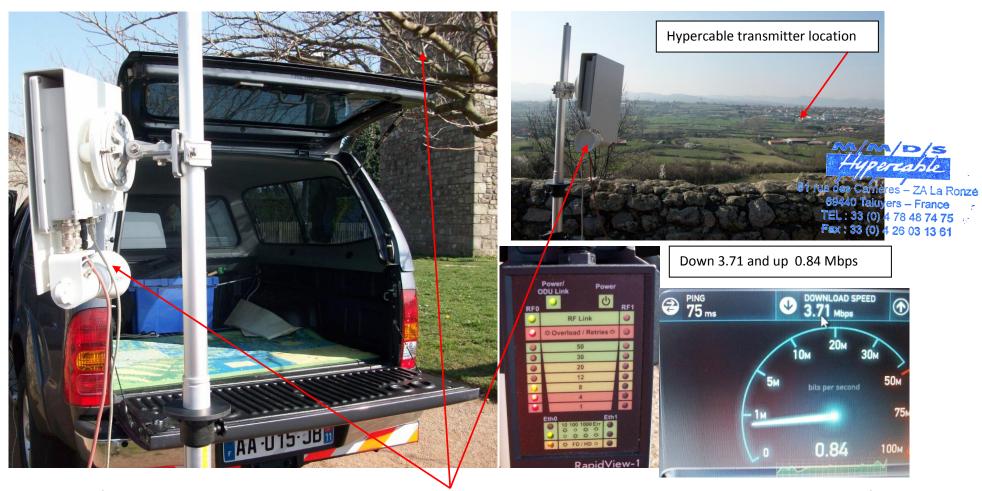
Link performance, signal display 20 we still have the link for level 4 @ + - 45° miss pointed

P erformances test. No Line of sight by reflexion on a stone building.





Performances test. No Line of sight by reflexion on a stone building.

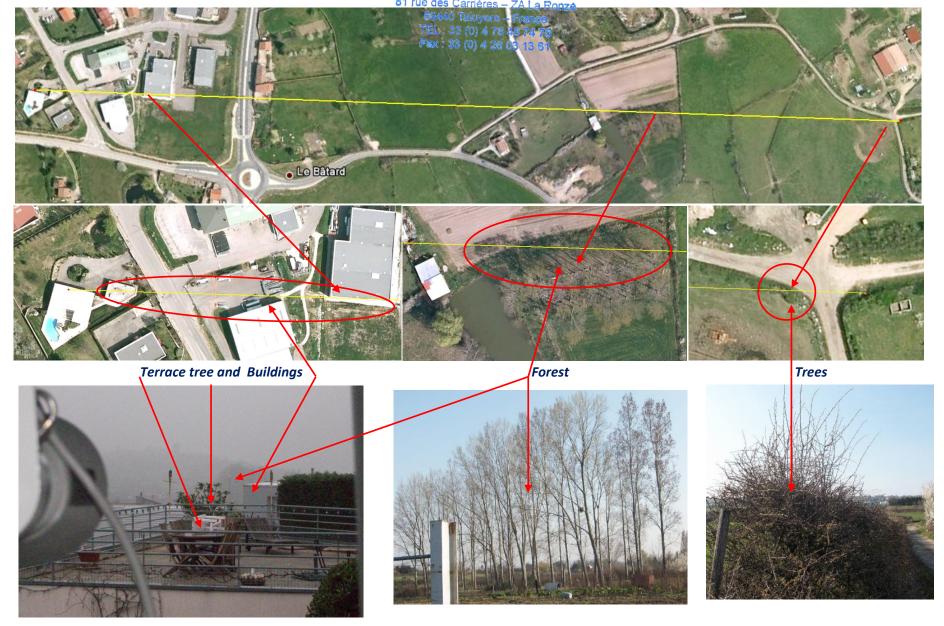


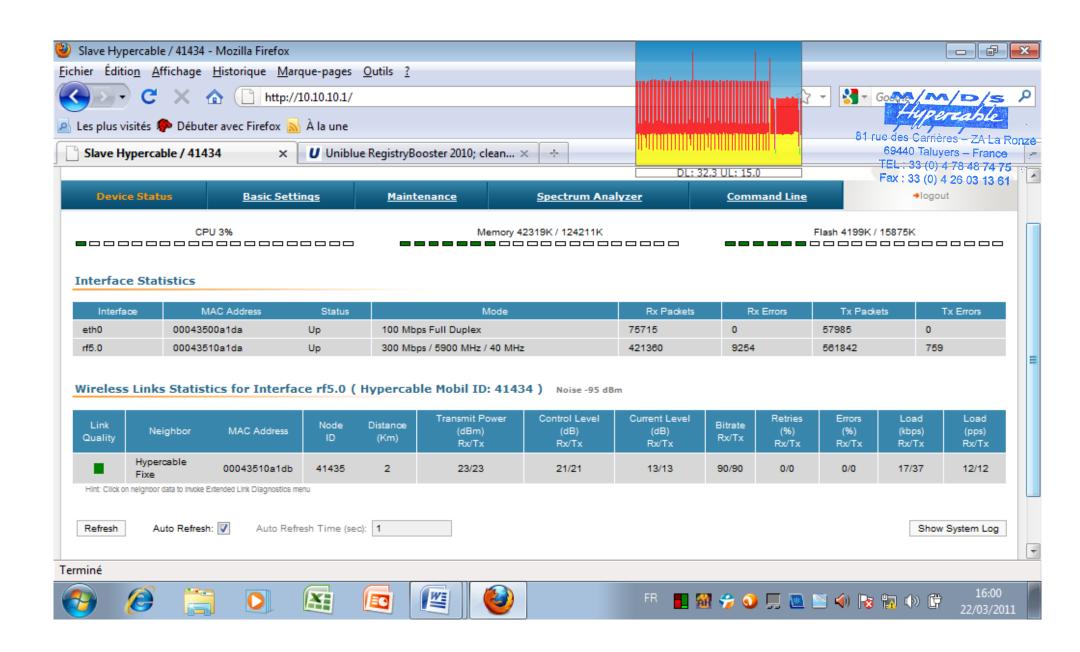
Link performance, signal display level 8 @ pointing to the stone building to receive in NO Line Of Sight beamed at reverse and only by reflexion

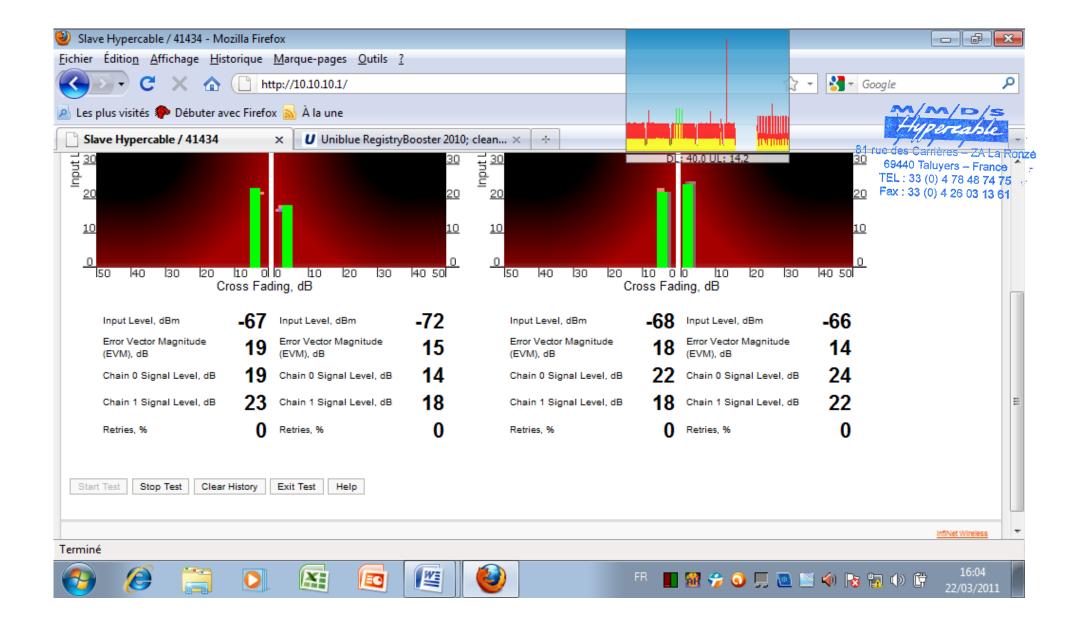
Performances test. No Line of sight behind trees, forest and building @ 1 km

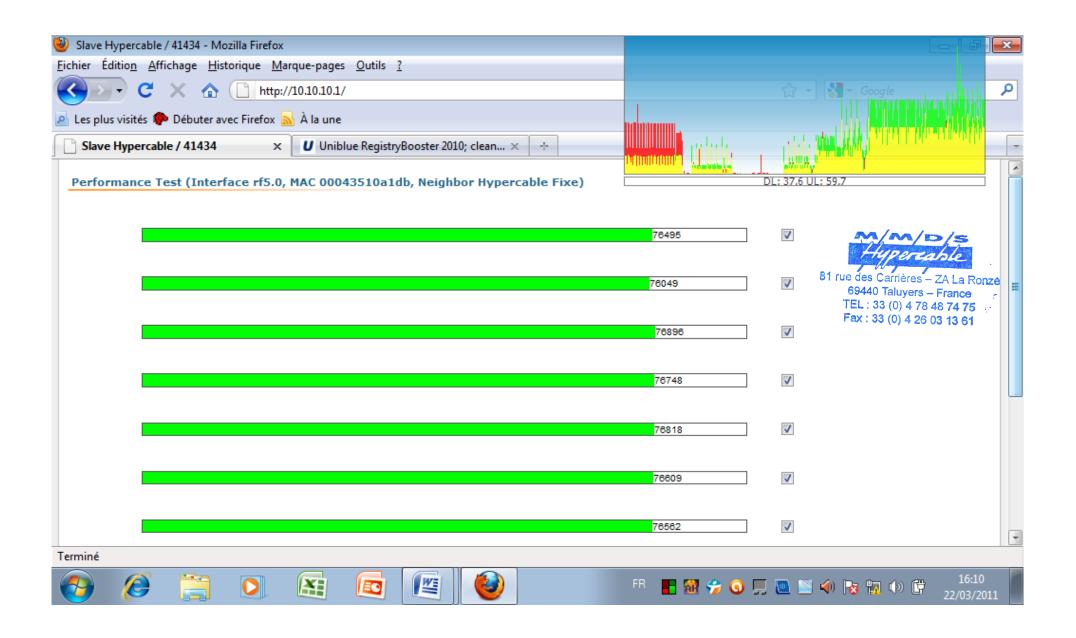


Hypercable









Performances test: No Line of sight behind many mask, trees, and five buildings @ 0.37 km





Trees and Many buildings along the path

Link in 5 Mhz bandwith can still run usefull 3 Mbps Ethernet @ 400 meters in the street behind trees and buildings the Slave opposite side

Hypercable building , master side



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