

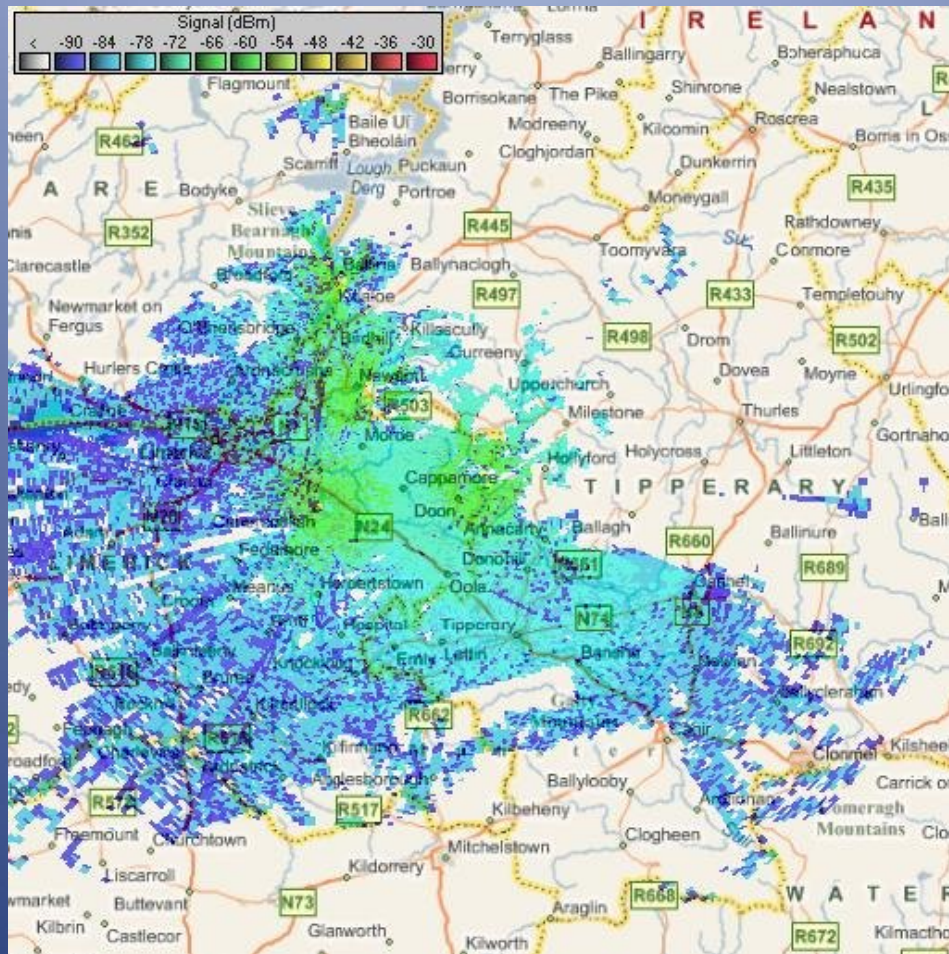
Global wireless MikroTik consulting
with the help
of Radio Mobile & WinBox

Leo De Geer
Satelitthuset i Limmared
Sweden

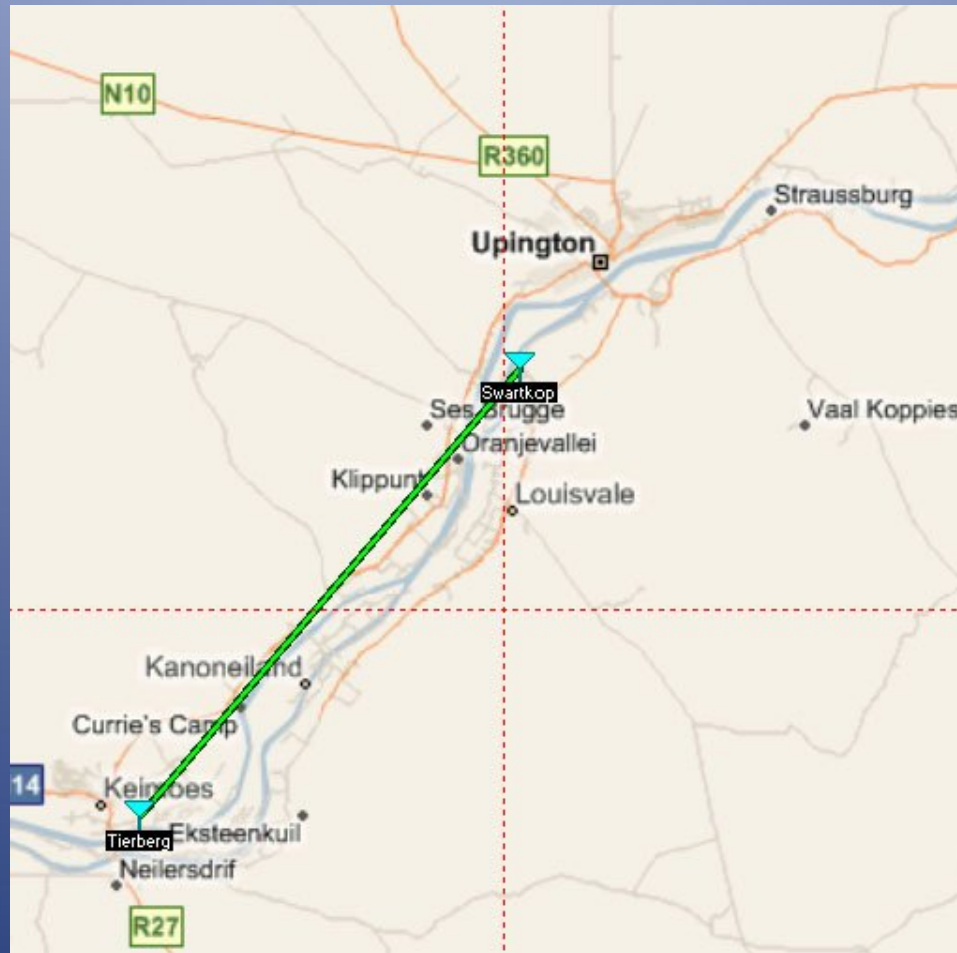
Radio Mobile

- Download
<http://www.cplus.org/rmw/english1.html>
- Can give you accurate predictions World Wide
- Predict the possibility of a P2P link.
- Make coverage maps of your Network
- It is FAST
- It is Free to use

Access Coverage Prediction Map Republic of Ireland



P2P Link in South Africa



P2P Link Problem in South Africa

Radio Link

Edit View Swap

Azimuth=220,2°	Elev. angle=-0,285°	Obstruction at 9,36km	Worst Fresnel=-0,2F1	Distance=30,60km
PathLoss=152,3dB	E field=35,2dB μ V/m	Rx level=-86,3dBm	Rx level=10,8768 μ V	Rx Relative=8,7dB

The graph displays a terrain profile in brown. A green line represents the ground surface, and a red line represents the Fresnel zone clearance. White dashed lines show the radio signal paths between the transmitter and receiver. The terrain shows a significant dip in the middle, which is highlighted by the red line indicating a potential obstruction.

Transmitter		Receiver	
Swartkop		Tierberg	
Role	Command	Role	Command
Tx system name	2.4 ghz link r52 24dbi	Rx system name	2.4 ghz link r52 24dbi
Tx power	0,0794 W 19 dBm	Required E Field	26,49 dB μ V/m
Line loss	0,5 dB	Antenna gain	24 dBi 21,85 dBd +
Antenna gain	24 dBi 21,85 dBd +	Line loss	0,5 dB
Radiated power	EIRP=17,78 W ERP=10,84 W	Rx sensitivity	3,9811 μ V -95 dBm
Antenna height (m)	16,5 - + Undo	Antenna height (m)	14 - + Undo

Net: 2.4 ghz

Frequency (MHz): Minimum 2400 Maximum 2500

WinBox

- I hope you all know how to use WinBox!
- Works over slow connections giving you a fast way of browsing MikroTik configurations.
- Don't use the default username! (admin)
- Gives you full access to the MikroTik router.

Satellithuset i Limmared AB
Leo De Geer

support@mikrotik.se

www.mikrotik.se

+46 705 915987