



TV White Space

Infographic

TV White Space aka "Super WiFi" refers to the unused TV channels in any given area.

With a RuralConnect radio, these vacant channels can be converted into wireless broadband Internet.

This innovative technology has the ability to connect our world's unconnected people.

Here's the Facts

There are:

7 Billion

People in the world



4.5 Billion

Don't have Internet access



That's over **60%** of our world's population who don't have access to modern:



Education



Healthcare



Digital Communication



Business & Finance



Employment opportunities

How does TV White Space Solve this Problem?



Long-distance propagation



Penetrates environmental barriers



Maximum coverage



No line-of-sight required



Strong signals even in rural areas



Low power consumption



Cost benefits vs fiber or satellite



Connect a community with one base

TV White Space

Is unlike any technology on the market. Because it uses the same frequencies that broadcasters use to get programming to our televisions, this technology has a spectrum advantage in reaching end-users.

How does it work?



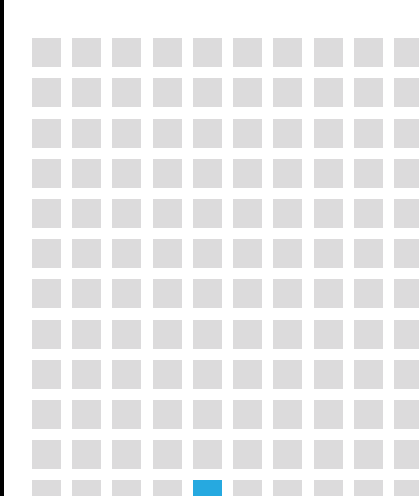
The RuralConnect TV White Space Radio asks an online database for a list of all available channels at its location.

The database reports a list of vacant channels that won't cause interference for the RuralConnect to link with.

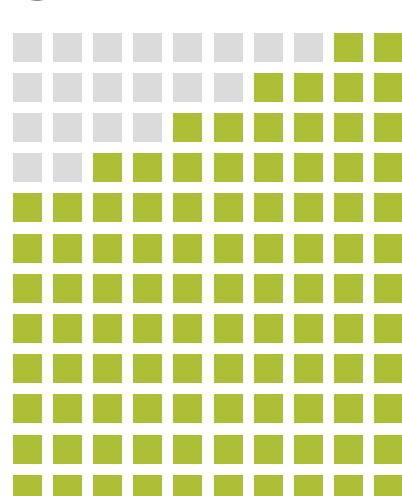
The Base station sends a signal back to the client radio, confirming the connection.

Once Connected:

A TV White Space network can cover an area about **100x** the diameter of a regular Wi-Fi router!



Wi-Fi
(2.4 & 5.X GHz)
500 Meters



White Space
(470 - 700 MHz)
10 kilometers

You can connect a lot of people with that kind of coverage;

That is our mission!



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For More Information on TV White Space and RuralConnect

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