

How to use the Spectrum Analyzer

Step 1: IP Discovery Utility

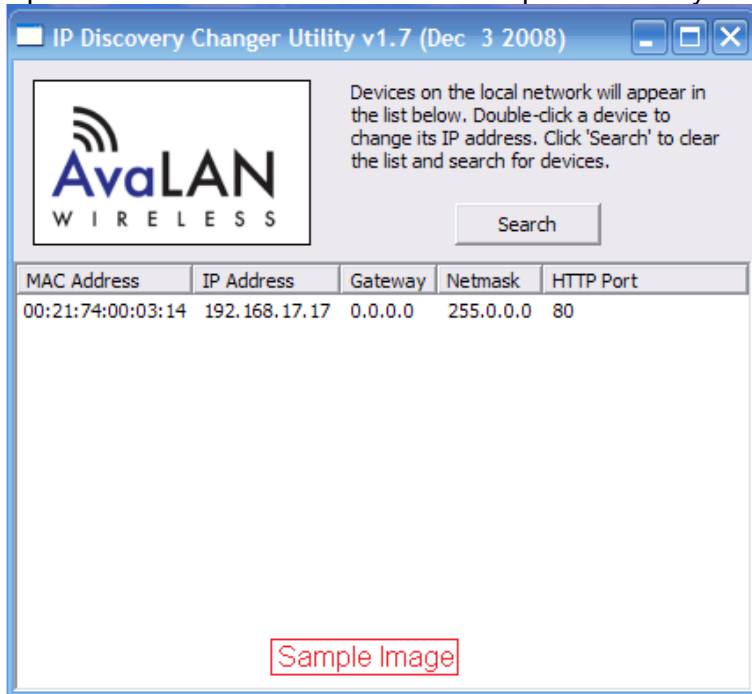
Download the Discovery Utility by visiting <http://www.avalanwireless.com/ipfinder/ipfinder.zip>, save the file to your computers desktop or other location that can easily be accessed.

Step 2: Power and Connection

Connect the radio to the computer using the supplied USB cable for power and an Ethernet cable for network connectivity. (You will likely need to change the IP address of your computer to match the spectrum analyzer)

Step 3: Find Analyzer

Open the IP finder to find the attached spectrum analyzer.



Step 4: Log into radio

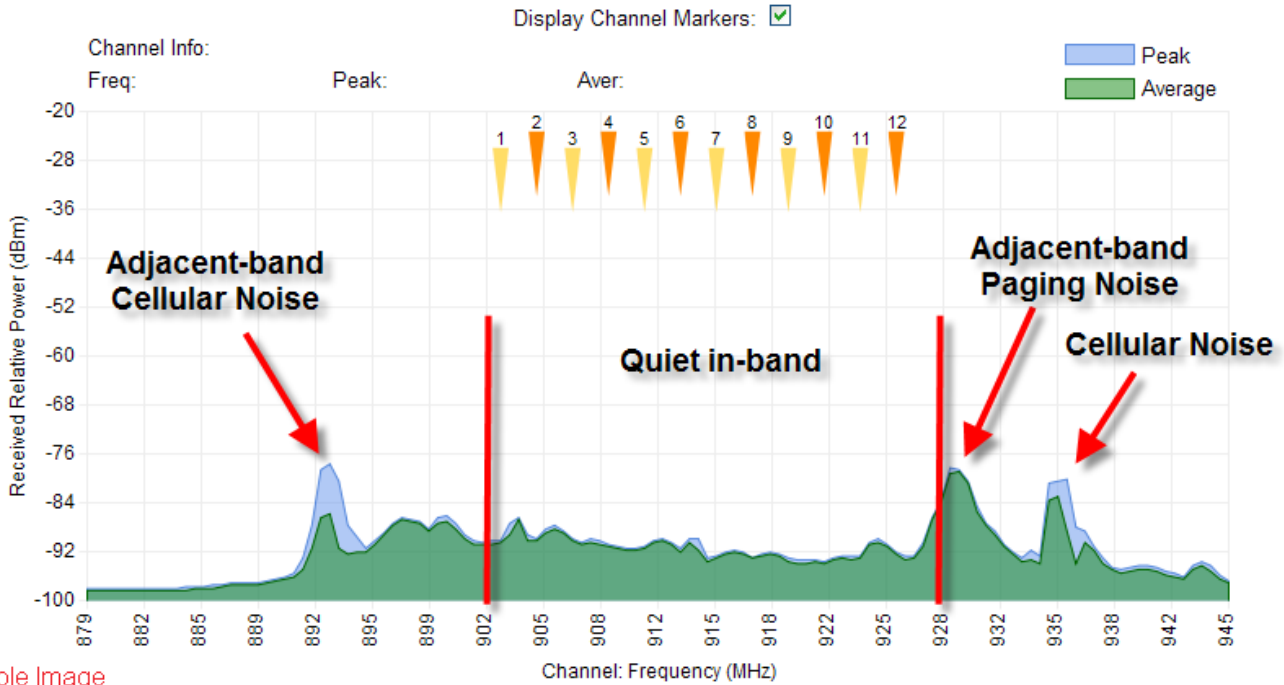
Right click the IP address and 'Go to Device Web Page'. Once the Web Browser opens Log in to the analyzer.

Step 5: Spectral Assessment

If your image looks like the following then there is no noise within the band that would cause the AvaLAN equipment to not function. Leaving the radios in auto-frequency selection will allow the radios full spectrum use.

Spectrum Scanner

Scan Now Automatic Scan Interval: Maximum Scan Rate: Normal Scan Resolution: Fine

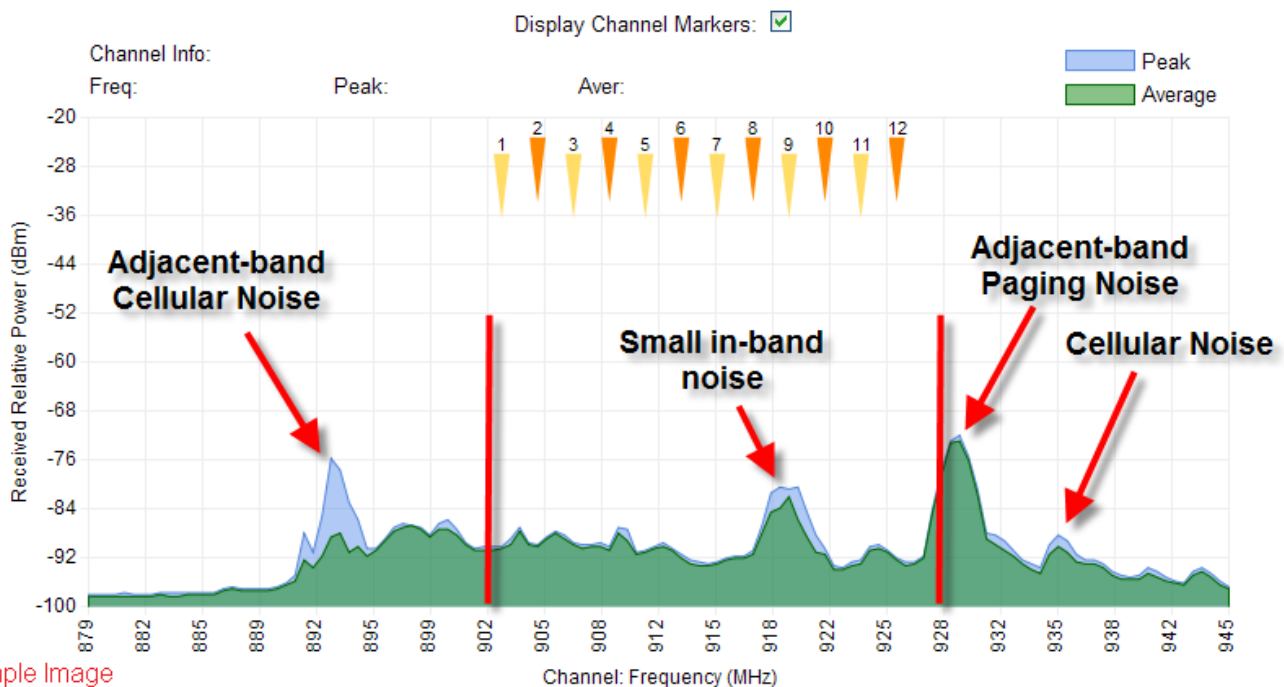


Sample Image

If your image shows that there is a small amount of in-band noise the radios may change channels to avoid the noise. Leaving the radios in auto-frequency selection will allow the radios to move freely through the spectrum allowing them the opportunity to change channels if necessary.

Spectrum Scanner

Scan Now Automatic Scan Interval: Maximum Scan Rate: Normal Scan Resolution: Fine

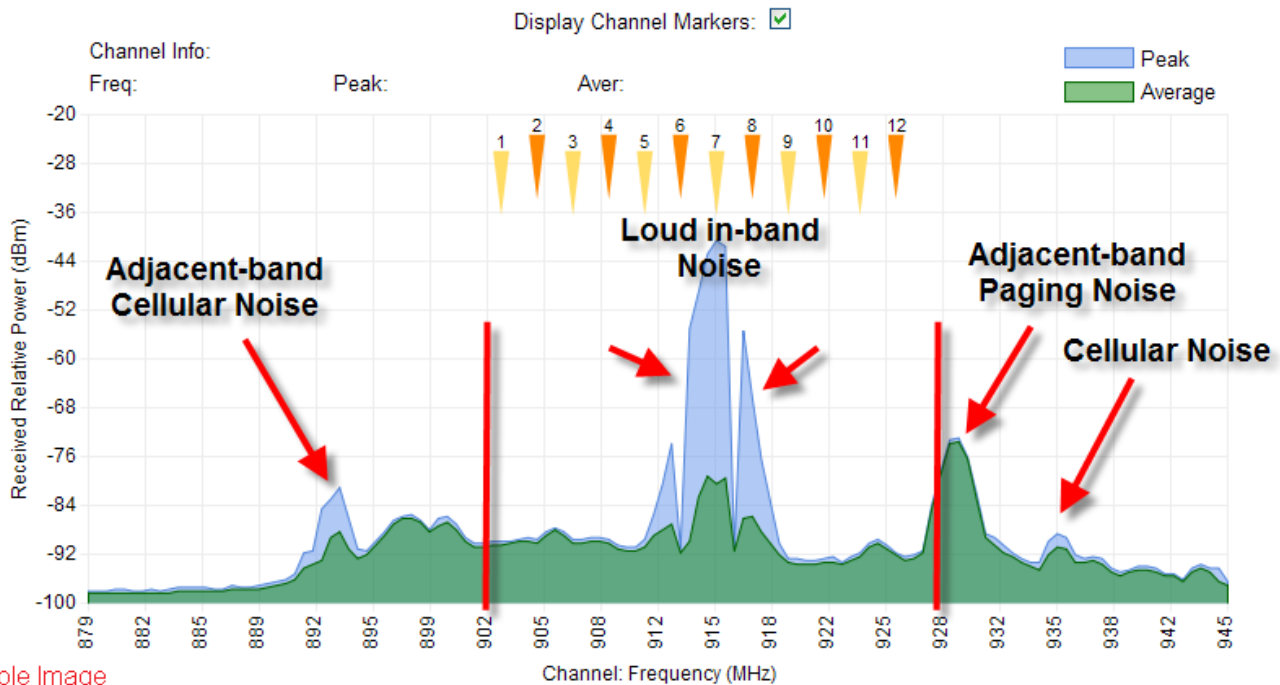


Sample Image

If your image shows that there is a lot of in-band noise the radios will change channels to avoid the noise if possible. Some times with too much in-band noise leaving the radios in auto-frequency selection can be harmful to the connection because the radios could be constantly hunting for new channels and may never stay on a fixed frequency. The best option is to fix the AP onto a specific channel. The chosen channel should be as far away from other noise as possible. The SU does not need to be fixed on to the same channel however doing so will not harm the connection.

Spectrum Scanner

Scan Now Automatic Scan Interval: Maximum Scan Rate: Slow Scan Resolution: Fine



Sample Image

If there are any additional questions, take some screen shot images and email them to support@avalanwireless.com and/or call tech support (650)-384-0000.