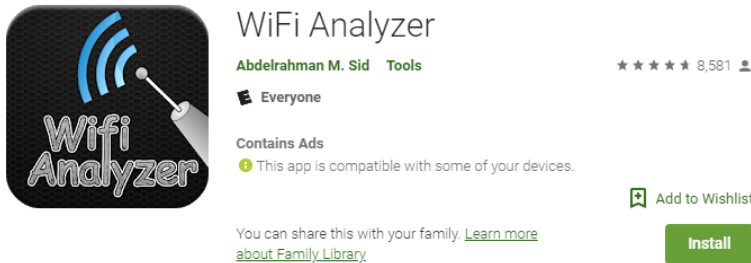


Troubleshooting WiFi Network Congestion on Android Phones

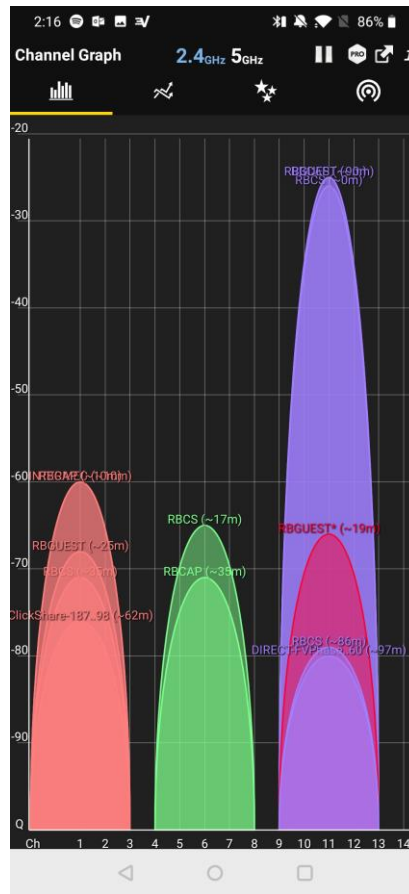
1. Download WiFi Analyzer from the Google Play Store or a similar network analyzing app.



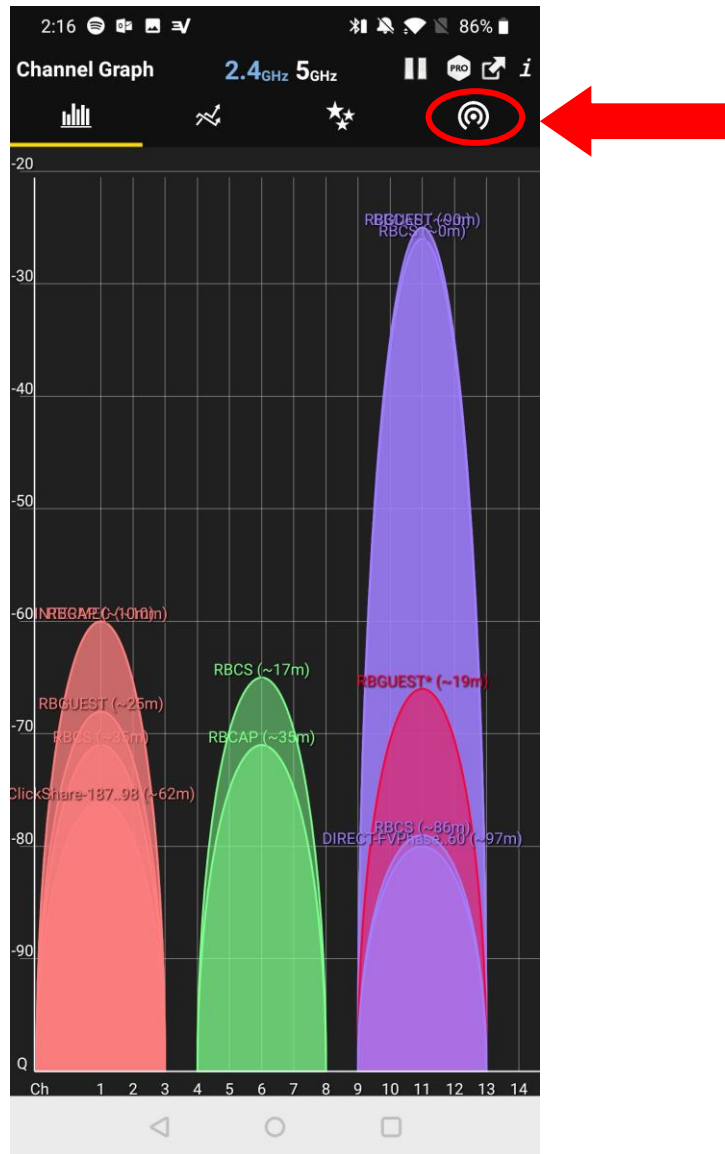
<https://play.google.com/store/apps/details?id=abdelrahman.wifianalyzerpro&hl=en>

NOTE: Rain Bird does is not affiliated with the creators of WiFi Analyzer and does not endorse the use of any single mobile application other than the Rain Bird mobile application. Rain Bird cannot be held liable for WiFi Analyzer.

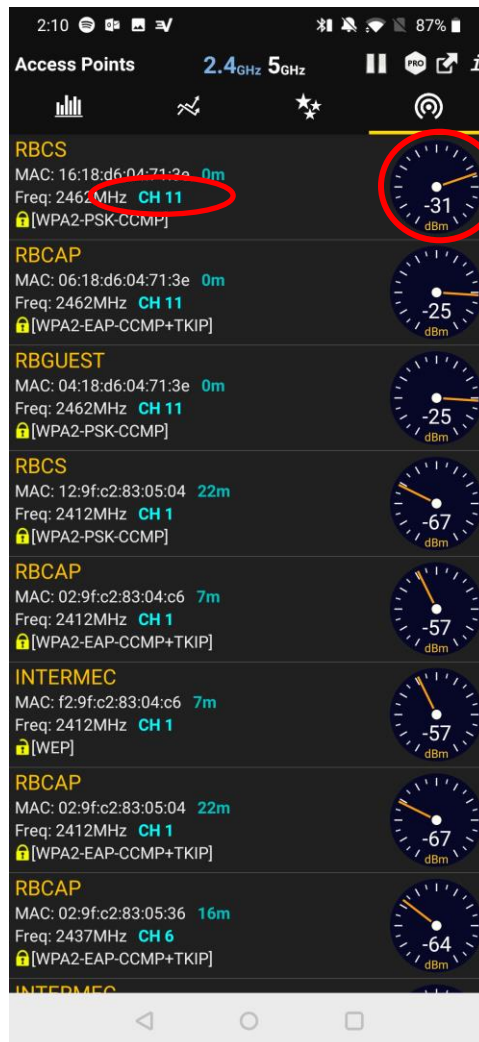
2. You will need to select 'Allow' when prompted to let WiFi Analyzer use your phone's location.
3. While standing next to the location of your Rain Bird WiFi controller, open the app. The main page will provide a graph of all available networks in the area.



4. Select the 4th tile on the main ribbon to see a list of all available networks in the area.



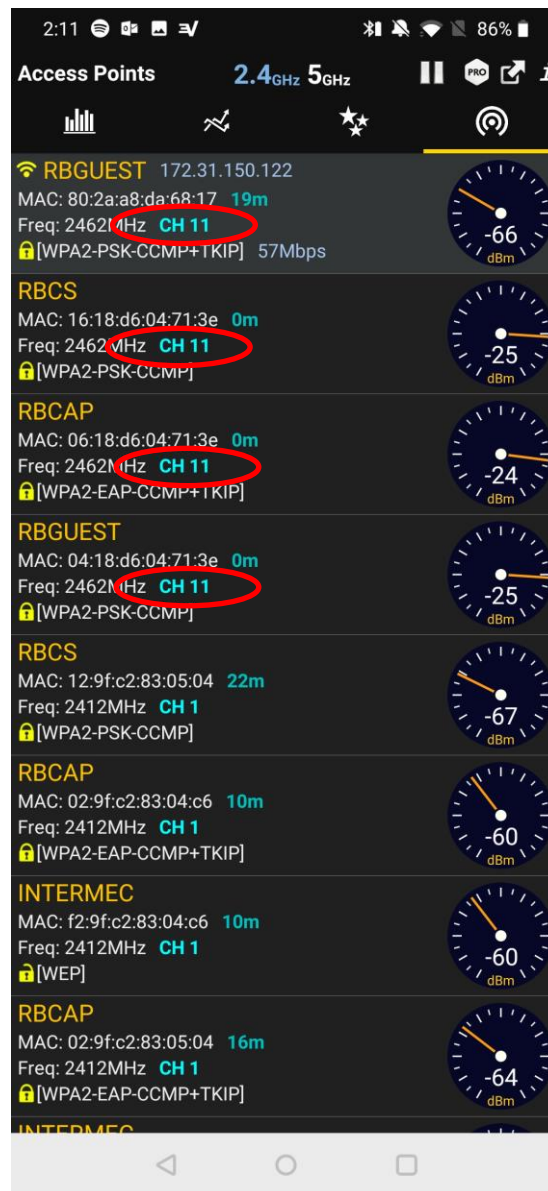
- Find the preferred wireless network you are trying to connect your LNK WiFi Module to and note RSSI (signal strength) and which wireless channel the network is utilizing.



- Note the RSSI ratings below. An RSSI of -60dBm or worse may require a signal booster or relocating the irrigation controller to ensure reliable connection to the wireless network.

RSSI	Signal Strength
-30 to -50	Excellent
-51 to -60	Good
-60 to -70	Fair
-71 to -85	Poor, better with boost
> -86	Unreliable, needs boost

7. Look at the channels for the WiFi networks listed. If there are a number that are on the same channel they may be interfering with one another. It is a good idea to change the router channel to one that is not so crowded. You can do this by referring to your specific router's user manual online.



8. Selecting the 3rd tile on the ribbon will provide a recommendation for the best channel to assign new wireless networks in the area. Note that in the example below that channels 1 and 11 have a lower rating, indicating potential connectivity issues.

