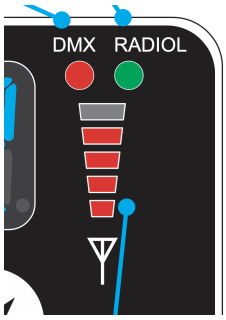
Acclaim Lighting Aria Wireless Site Survey Guide
Updated: 01.29.2021

When trying to determine if the project site is suitable for Aria Wireless DMX, Acclaim Lighting recommends taking the following steps before planning a system:

1. When possible, take physical Aria transmitter and receiver units to the site.
Take a pair of Aria transceiver units (P/N: ARI771) on-site and use the onboard signal meter to determine if there is good reception on a few of the channels. Good reception is classified as being three or more bars out of five on the receiver unit.



2. If additional data is needed, a spectrum analyzer is recommended.

Acclaim has used the relatively affordable WiPry system (https://www.oscium.com/spectrum-analyzers/wipry-2500x), which works with any iOS or Android mobile device. Acclaim may be able to provide this to you if our unit is available at the time needed.

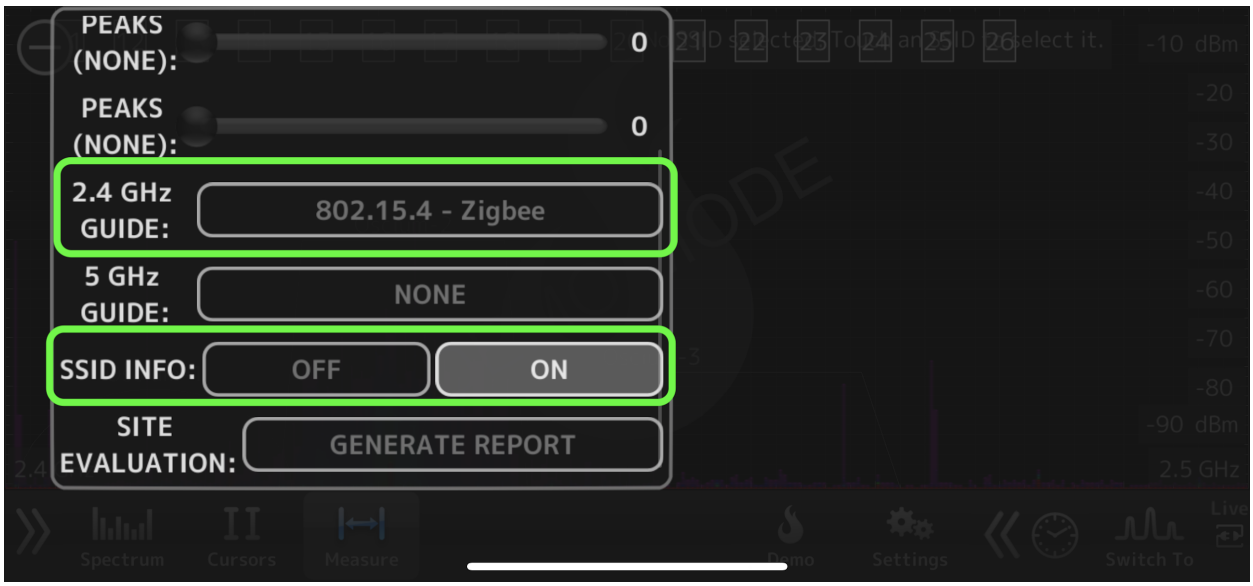
When setting up a test, please see quick start instructions below:

1. Install the WiPry application on your iOS or Android device

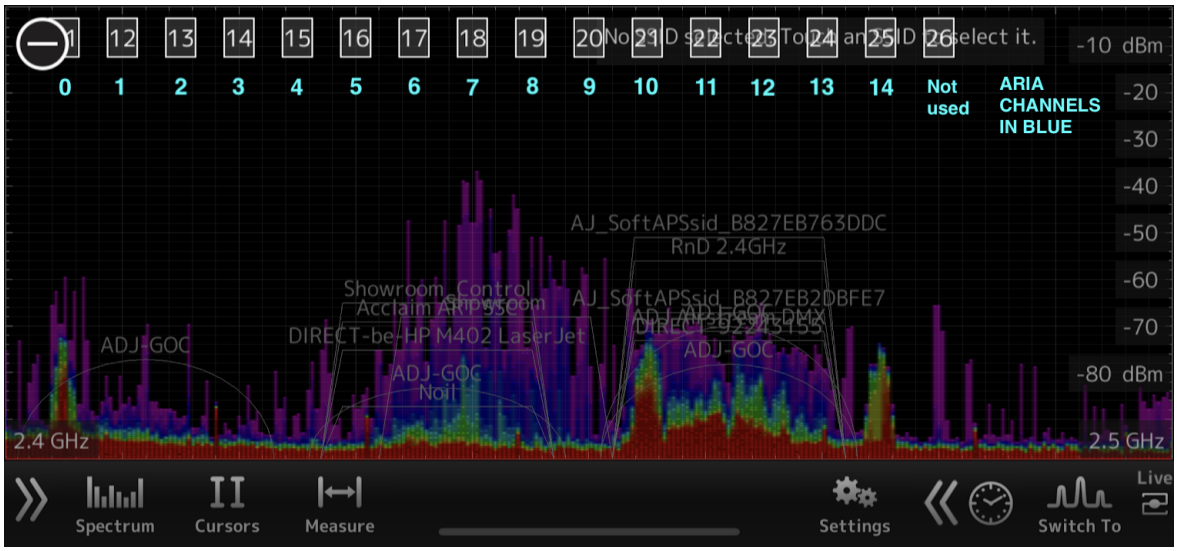
2. Plug in your WiPry module to the mobile device and open the application.

3. Select the spectrum tab at the bottom, select frequency. Make sure it is set to 2.4 GHz

4. Select the measure tab at the bottom, scroll until you see the 2.4GHz Guide. Select 802.15.4 - Zigbee, SSID info should be set to on.



5. The wireless channels on Aria are 0-14 and correspond to 11-25 on the display.



6. You can overlay the channels by selecting the + in the top left corner and see a narrow view of each channel by tapping it. It takes a few minutes for SSIDs to show up so you can see which network, in particular, may cause issues. The key in the graph is to avoid taller, thicker red sections which indicate significant wireless traffic that can cause signal interference.