

WIRELESS READINESS ASSESSMENT

Service Summary: The ACR Wireless Readiness Assessment service provides an analysis of an area under consideration for deployment of wireless services. Over a defined period, various tools will identify existing wireless network signals and characteristics associated with the signals. In addition, the analysis will provide information regarding Radio Frequency (RF) interference that could potentially impact the success of a wireless installation. The main goals of this service are to provide insights into the feasibility of introducing wireless technology to a location.

Features and Benefits:

- An understanding of existing wireless signals in either the 2.4GHz or 5GHz bands
- Detection of RF signals that may impact a wireless infrastructure deployment
- Access Point (AP) placement specifications and anticipated coverage maps to ensure compliance with coverage requirements

Approach:

This service begins with the collection of measurements at multiple key locations in the site under analysis. From this data, determinations can be made as to AP manufacturer selection, AP placement, anticipated performance and potential coverage issues. For existing installations, the data can be used to verify anticipated performance characteristics or troubleshoot issues within the environment.

Key Deliverables:

- A document describing each location test point, signals detected (frequency, channels, strength, etc), notes about the area (MRI machine in room 242, elevator shafts, 'faraday' glass, etc)
- AP Placement notes and diagrams
- RF Map and Anticipated Coverage Map

Service Requirements:

To conduct a Wireless Readiness Assessment service, ACR requires the following:

- A list of key locations within the site pertaining to coverage, user density, and availability.
- Access to the facility, and all areas under analysis
- A digital version of the floorplan(s) for the site