

# Arada Systems Inc.

Wi-Fi Pre-Certification Testing Program  
(802.11 a/b/g/n)



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# WI-FI TESTING - MANAGED FOR YOU!

## Are you considering pre-certification testing of your wireless product before going in for Wi-Fi certification testing?

Arada Systems can offer you the best Wi-Fi testing facilities available today. Arada is uniquely positioned to help you meet all your certification requirements for Wi-Fi standards compliance. Our association with Atheros Communications, a leading wireless chip maker, gives us the experience and expertise to offer comprehensive pre-certification testing to the industry.

Arada has extensive experience of supporting 120+ Atheros enterprise customers worldwide using Atheros hardware and working in markets as diverse as embedded, outdoor and enterprise.

Our world-class testing facility in Bangalore has state-of-the-art test equipment and specialized test-beds managed by an experienced team of professionals. Your requirements for Wi-Fi interoperability testing, Wi-Fi network security protocol testing, WMM and DFS testing are in the best hands.

Our long experience with the Atheros chipset family means we can provide high-quality insight and consulting, should problems surface during testing and your product need further optimization/modification before certification.

For more details about our testing services, call now!

## Arada Testing Services:

### Services Offered

WFA standard compliance testing for:

- WMM
- WPA2
- 802.11n System Interoperability
- WMM Power Save (U-APSD)
- DFS Testing

### Features

- Standardized equipment and test-beds.
- Close replication of WFA test plans and procedure.
- Comprehensive testing on all parameters.
- High degree of testing automation.
- Sniffer logs for all passed and failed test cases, on request.
- Professional team, with expert knowledge and experience of Atheros hardware.

### Benefits

- Improved chances of success in WFA Certification Programs.
- Proven automation framework ensures short turnaround time for your product.
- High degree of automation reduces rate of failure from human intervention.
- Low failure rates.
- Expert help and guidance in case of detected problems or test failure.

## Test Plans

Test Plan	Underlying Standard
WMM	Wi-Fi 802.11 with WPA2, WPA, and WEP, or with EDCA protocol.
WMM Power Save	Any one or more of:: Wi-Fi 802.11g with WPA Wi-Fi 802.11a with WPA Wi-Fi 802.11b with WPA Wi-Fi WMM specification
WPA2	IEEE 802.11 Specification, 802.11a , 802.11g, 802.11b and with WFA's WPA protocol.
802.11n System Interoperability	IEEE 802.11a, 802.11b, 802.11g. WFA's WPA protocol. WFA's WPA2 protocol. IEEE 802.11d and 802.11h. WFA's WMM protocol.
DFS	IEEE 802.11h, FCC, ETSI and Japan DFS rules for Wi-Fi devices operating in 5.25-5.35 GHz and 5.47-5.725 GHz bands

## Test Setups

### 802.11n System Interoperability Testbed Setup

