



# AirScout™

ENABLING WI-FI READINESS



**A WI-FI TEST SOLUTION  
PROVIDING VISIBILITY  
INTO USER EXPERIENCE**

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**GREENLEE®**  
COMMUNICATIONS

# REDUCING Wi-Fi RELATED SERVICE COSTS



*FAST. ACCURATE. RELIABLE.*

# OVERCOMING THE Wi-Fi CHALLENGE

As Operators place greater emphasis on Wi-Fi as part of their solution offering, consumers are using it to view media content and expecting the same Quality Of Experience as wired solutions. Delivering a seamless Wi-Fi experience in the residence or premise is quickly becoming the de-facto standard when judging service providers & contractors. However technicians current workflows use rudimentary tools when characterizing the Wi-Fi environment, and this lack of client side visibility into the Quality Of Experience is a costly approach. The cost associated with Wi-Fi issues are spiraling out of control with most of it hidden, providers are starting to pay a great deal of attention on the Quality of Wi-Fi installations.



## REAL WORLD STRESS TESTING

- › *Up to 30 Clients supported.*
- › *Industry leading Application benchmark testing*
- › *Various 802.11 types of devices benchmarked.*
- › *Validation testing over time increasing accuracy.*

Applications have shifted from simple web-surfing to bandwidth hungry apps to streaming 4K Video while the kids are checking their social media and gaming online. Couple that with the fact that the number of devices are growing rapidly with todays average household using ten's of connected devices in the home. Service providers have found that simply looking at the RF layer with SNR & RSSI measurements and only on one client does not provide a realistic user experience.



**AirScout enables Service Providers with a tool that replicates the complex Wi-Fi home environment enabling the home for Wi-Fi readiness.**

**FAST. ACCURATE. RELIABLE.**

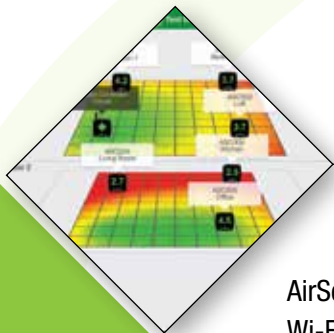
# DISTILLING COMPLEX MEASUREMENTS INTO Wi-Fi READINESS



Current Service Provider workflows use rudimentary Wi-Fi measurement techniques, where SNR & RSSI will never be understood by the consumer.

AirScout provides technicians with a tool that distills complex measurements into easy to understand metrics; enabling technicians to convey to consumers simple to understand answers like:

- › *Gaming will work in the kid's bedroom with Wi-Fi.*
- › *4K Video will work throughout the home.*
- › *There is sufficient capacity for adding more devices in the future.*
- › *Everyone will be able to browse social media concurrently.*



## SOLVING THE PROBLEM, NOT JUST FINDING THE PROBLEM

AirScout goes beyond simply Test & Measurement, the value lies not only in validating a home for Wi-Fi readiness but also, identifying solutions to solve the problem.

### Intelligent Channel Selection

Most tools in the marketplace today, simply count the number of Access Points on a particular channel, and pick the one with the least number; but this promotes bad decision making. A Channel with the least number of Access Points but all the clients streaming 4K video, is far worse than a larger number of AP's whose clients typically do email.

AirScout brings intelligence to the process, measuring over time the types and amounts of traffic that each of those Access Points are passing. And providing the true Optimal channel selection criteria.

### Optimal Access Point Location

Every home environment is different, and simply choosing the Access Point location that is closest to the Set Top Box is not always the optimal location. Quite often the location that supports the Wi-Fi coverage of the entire home is located elsewhere in the home.

After AirScout has surveyed the home for Wi-Fi readiness, it provides a simple to understand location within the home that brings the optimal coverage and user experience without the need for trial and error.



# TIME

THE IMPORTANT  
METRIC ON  
TECHNICIAN  
PERFORMANCE

## AUTOMATED TOOL THAT IS ALREADY INTEGRATED INTO THE TECHNICIAN'S WORKFLOW

AirScout has been designed from the ground up with a primary goal of minimal intervention by a technician. The workflow consists of:

- › *Simply drop & tap a client in locations the consumer wants Wi-Fi coverage.*
- › *Click Start.*
  - › *Identify Wi-Fi dead zones within the home.*
  - › *Optimize the In-Home Configuration.*
  - › *Assess the User Experience over Wi-Fi before finishing an install.*
  - › *Identify Up-Sell Opportunities to fix coverage gaps user experience.*
  - › *Upload data to the cloud for future reference.*

## REDUCING Wi-Fi RELATED SERVICE COSTS.

AirScout ensures that the User Experience over Wi-Fi networks meets consumer's expectations before the technician leaves the home; combined with a Cloud-based reporting ability for upload, storage & retrieval. This results in:

- › *Lower frustration with the Service Providers.*
- › *Minimal customer support calls.*
- › *Diminished repeat truck rolls.*
- › *Reduced churn.*





## ORDERING INFORMATION

CAT NO.	DESCRIPTION
ASK302	AirScout 300 Two Client Solution in Carry Case
ASK306	AirScout 300 Six Client Solution in Carry Case
ASM300	AirScout 300 Individual Master Controller
ASC300	AirScout 300 Individual Client

## SPECIFICATIONS

<b>ASM Controller</b>	Height	1.81" (46.2 mm)
	Width	5.83" (147.6 mm)
	Depth	5.79" (146.8 mm)
	Weight	332 g (11.7 oz)
<b>ASC Client</b>	Height	1.46" (36.83 mm)
	Width	4.88" (124.46 mm)
	Depth	4.88" (124.46 mm)
	Weight	247 g (8.71 oz)
<b>Environment</b>	Operating Temperature	0 to +55 °C / 0 to +131 °F
	Storage Temperature	-20 to +65 °C / -4 to +149 °F
	Operating Humidity	20-80% RH non condensing
	Storage Humidity	10-90% RH non condensing
	Vibration	3-axis vibration
<b>Compliance</b>	FCC	
	Canada Regulatory Requirements (ICES-003)	
	CE Compliance	

<b>Wireless Standard</b>	802.11
<b>Antenna</b>	2 x 2 MIMO (Both Master Controller and all Clients)
<b>Frequency Bands</b>	2.4 GHz and 5 GHz
<b>Processor</b>	Qualcomm Atheros
<b>Wired Interface</b>	Ethernet LAN (RJ45)
<b>Data Transfer Rate</b>	1 Gb/s (wired LAN)
<b>Number of Ports</b>	1
<b>Mounting</b>	Free Standing



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