



R4M - Laboratory, Field, Venue and Network Testing

AT4 wireless has been testing and certifying thousands of wireless products for more than 20 years. Our services support the industry's leading OEMs and tier one Carriers to place products and services into the global markets.

Over the years, innovative wireless technology trends are pushing an increased use of mobile data, video and applications, which require bigger bandwidth and faster networks. Consequently, requirements for innovative testing services have grown in a complementary fashion augmenting today's regulatory and conformance testing. For the market launch of networks and products, benchmarking testing of data transmission, file uploading and downloading, web browsing, VoIP calls, online gaming, live video streaming, etc., is more critical than ever.

AT4 wireless is a pioneer in this area with its Ready 4 Market (R4M) Testing Services for supporting Tier 1 Carriers & OEMs.

AT4 wireless' R4M testing services collect real QoS and QoE data to allow you to evaluate wireless performance outdoors, indoors, in venues, "in-home", or in remote locations. It also allows you to evaluate new deployments such as small cells, off-loading, carrier aggregation, unlicensed spectrum, etc.



Throughput vs LTE RSCP

Mobile hotspot performance





R4M, Laboratory - Field - Venue - Network

The AT4 wireless Ready for Market performance testing solutions are an engineered answer to the market needs. Our specially designed embedded agents and Apps are able to perform multiple measurements and report them to a controller or send them to a centralized web platform. Available measurements include:

WLAN scanning	Best server
Throughput	Coverage (Link budget)
Delay (OWD)	Wi-Fi® Mobility
Packet loss	Wi-Fi® Offloading
Jitter	Cellular mobility
Time to connect (Wi-Fi)	4G hotspots
Battery drain	MO & MT call
Voice call performance	SMS, MMS
Robustness	Multi-RAT
Multiuser fairness	More to come...

Our solutions cover network validation and device integration for all IP based wireless technologies.

R4M portfolio ranges from full test program development & institution to enhancement and automation of existing test programs. Custom features and tool development are part of our engineering culture.

Developed R4M test programs continue evolving in close cooperation with global carriers and OEM's base. The described services can be combined to setup, execute and maintain a R4M test program strategically aligned with your business objectives.

AT4 wireless' R4M program team has the right skillset to provide test solutions leveraging inputs from AT4 wireless growing library of test cases which validate the most common technologies deployed in today's markets. Technologies covered are: GSM, GPRS, CDMA, EVDO, UMTS, HSPA, LTE, Wi-Fi, WiMAX, etc.

Advanced Performance Testing Platform for Wireless and Mobile Networks

TACS4

Testing, Approvals & Certification System



R4M has developed wide experience and tools compatible with major OS and Mobile OS: Android, iOS, Blackberry, Windows, Firefox, Linux, Mac, Rasperry, etc.

R4M your market readiness testing partners

Today R4M becomes a key partner to speed market launch, guarantee the expected user satisfaction and reduce testing costs and time to market for your Handsets, Access Points, USB dongles, Tablets, etc.

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