OOKLA

Speedtest Pulse™

A dual-mode network diagnostic tool offering one-tap, smartphone-based validation and troubleshooting, and autonomous testing of network performance and user experience.

Active Pulse

Equip your on-site IT or support staff with a **simple, scalable tool for initial network diagnostics**. Quickly validate user complaints and resolve common issues, freeing up your senior wireless engineers and their specialized tools for more complex challenges.

Continuous Pulse

Coming 2026

Measure performance from the end-user's perspective to **gain a complete picture of network health**, so you can see performance degradation before users complain, enforce SLAs, and make smarter, data-driven decisions on network upgrades.

Solve connectivity's biggest problems.

Scale Challenge

Managing network performance across hundreds or thousands of distributed sites is an immense operational challenge.

How do you ensure a consistent quality of experience across all your locations and service providers?

Visibility Challenge

Central IT team lacks visibility into the real user experience at each site for what your employees or customers are actually experiencing.

How do you prioritize locations for network upgrades without wireless throughput and RF performance data?

Expertise Challenge

You face a constant choice: either your highest-skilled network engineers are pulled into routine troubleshooting, or frontline problems go unresolved.

What is the true cost of pulling your senior engineers away from strategic projects to solve common support tickets?

Prioritize Resources Effectively with Unprecedented Network Visibility

Unique Technologies to Aggregate Performance Data at Scale

Identify Underperforming Networks

Deploy Expert Resources Where They Matter Most

Speedtest Pulse™
Verify your inbound wired connected performance, wireless throughput, and RF performance.

Speedtest Embedded™
Integrate Speedtest functionality into on-premise CPEs and other connected devices for network monitoring.

Speedtest SDK
Integrate Speedtest testing into any mobile application for performance insights.

Consumer Speedtests
Collect insights from 11 Million daily consumer-initiated tests.

1,973 Networks
Meet Network Connectivity Requirements

233 Networks
Partially Meet Network Connectivity Requirements

31 Networks
Do Not Meet Network Connectivity Requirements

Example

Prioritize wireless engineers and specialized **Ekahau** tools at the locations where their expertise will have the greatest impact, armed with the data to perform a comprehensive troubleshooting analysis and/or execute a strategic redesign.

Hardware Specifications and Initial Test KPIs

Ethernet and Wi-Fi End-to-end Application Performance KPIs		
Download throughput speed	Speedtest Experience Ratings - browsing quality	Retry percentage
Upload throughput speed	Speedtest Experience Ratings - gaming quality	DNS resolution time
Latency (idle)	Speedtest Experience Ratings - streaming quality	DHCP server count
Loaded latency (download)	Speedtest Experience Ratings - video call quality	DHCP transaction time
Loaded latency (upload)	Packet loss percentage	DHCP transaction time

Wi-Fi Performance and Environment KPIs		
Wi-Fi authentication status	Secondary coverage	Channel utilisation
Wi-Fi association status	Tertiary coverage	Co-Channel Interference (CCI)
Wi-Fi authentication delay	Data rate	Adjacent Channel Interference (ACI)
Wi-Fi association delay	Estimated Signal-to-Noise Ratio (SNR)	Optimal Wi-Fi channels
Primary coverage	Number of Spatial Streams (NSS)	Client Load per BSSID

Wi-Fi Configuration & Security KPIs	
Wi-Fi encryption protocol	Protected Management Frames (PMF) status
Country code validation	4-way handshake status
Channel/country compliance status	4-way handshake delay
Wi-Fi channel bandwidth	Fast Roaming Capability (802.11k/v/r)
Minimum Basic Rate (MBR)	Number of Spatial Streams (NSS)

Wi-Fi 7 Triband Radio

AMOLED 2.1" w/ touch, hardened glass

USB-C

Ethernet (1 Gbps)

Hardware Specifications	
Wi-Fi	Wi-Fi 7 Triband Radio
Testing	Wi-Fi, Ethernet (1 Gbps)
Connectivity	Bluetooth, USB-C, Ethernet, Wi-Fi
Charging	USB-C or Power over Ethernet
Display	AMOLED 2.1" w/ touch, hardened glass
Size	103 x 66 x 25 mm