

AirCheck® G2 vs. G3

Product Comparison

The AirCheck G2 is a great tool and has served you well. Still, the AirCheck G3 has some unique functionality. How do the second and third generations of the AirCheck compare to each other?

Here are the biggest differences between both tools:

- **Wi-Fi 6/7 and 6 GHz** – With its native Wi-Fi 6/6E radio, the AirCheck G3 provides visibility into the 6 GHz band. It also allows you to connect at actual Wi-Fi 6/6E data rates, capture Wi-Fi 6 data frames, and discover Wi-Fi 7 devices.
- **Level of Analysis** – The AirCheck G3 can also be used for short-term monitoring. Because of that, not only do you get visibility of the RF at the time measurements were performed, but you also get trend graphs that show you how the wireless network environment changes over time.
- **Applications** – The AirCheck G3 offers additional testing capabilities, including network discovery, path analysis, and topology mapping in Link-Live™. Additionally, the AirCheck G3 allows you to install third-party apps on your tool and expand its functionality.
- **Battery Life** – The battery on the AirCheck G3 will last up to 10 hours and charge more than twice as fast as that of the AirCheck G2.



**Now with Wi-Fi 7
Visibility and 6 GHz
Spectrum Analysis**



Product Comparison Chart

Features	AirCheck G2	AirCheck G3
Technology Support		
802.11 Media Type Support	802.11a/b/g/n/ac (802.11ax visibility provided using an 802.11ac radio)	802.11a/b/g/n/ac/ax (802.11be visibility provided using an 802.11ax radio)
Wi-Fi Bands (2.4 GHz, 5 GHz, & 6 GHz)	Dual-Band	Tri-Band
Number of 802.11 Radios	1	2
802.11 Spatial Streams	3 x 3	2 x 2 and 1 x 1
Bluetooth Support	No	Yes
Wired Ethernet Interfaces	10M/100M/1G	10M/100M/1G (using USB based Ethernet adapter)
Wired Ethernet Link Test	Copper (1)	None
Third-Party App Support	No	Yes
Wi-Fi Validation & Troubleshooting		
AirMapper Wi-Fi Site Surveys	Yes (Active or Passive per walkthrough)	Yes (Active & Passive on the same walkthrough)
AirMapper Bluetooth/BLE Site Survey	No	Yes
Wi-Fi Throughput Measurements	Yes (iPerf 3 & Test Accessory support)	Yes (iPerf 3, Test Accessory & Speed Test support)
Spectrum Analysis (2.4 GHz, 5 GHz, & 6 GHz)	No	Yes (Optional with NXT-2000)
Packet Captures	Yes (Does not include Wi-Fi 6 data frames)	Yes (Includes Wi-Fi 6 data frames)

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Wi-Fi Validation & Troubleshooting - continued		
Channel Overlap (“Channel Map”)	Yes (2.4, 5 GHz bands)	Yes (2.4, 5, 6 GHz bands)
Unauthorized & Rogue Device Detection		
Connectivity Troubleshooting Tools		
Wi-Fi Interference Analysis (CCI, ACI)		
Detection of High Utilization in a Channel		
AutoTest Functionality	Yes (Single profile at a time)	Yes (Multiple profiles at a time)
Periodic AutoTest	No	Yes
Device Finder	Yes (For AP’s, Clients, & Non-802.11 Devices)	Yes (For AP’s, Clients)
Roaming Analysis	Yes	
Wi-Fi Trends over Time	No	Yes
Expert Advice	No	Yes
Wi-Fi Device Analysis		
AP Detection & Properties	Yes	
Device Names	Yes (AP names only)	Yes (Both AP & Client names)
Client Detection & Properties	Yes (Connected & Non-Connected)	
Non-802.11 Interfering Device Detection & Properties	Yes	No
Access Control List (ACL)	Yes	
Cloud Services		
Test Result Repository	Yes (Using Link-Live)	
AirMapper Heatmap Generation	Yes (Using Link-Live or AirMagnet Survey PRO)	
Topology Mapping	No	Yes (Using Link-Live)
Unit Management	Yes (Using Link-Live)	
Profile Sharing		
Attach Notes, Screenshots & Photos to Test Results		
Over the Network Software Updates		
Cloud Remote Control	No	
Reporting		
Local Reports	Yes (Using “AirCheck G2 Manager” Software)	No
Cloud Reports	Yes (Using Link-Live)	
Site Survey Reports	Yes (Using Link-Live or AirMagnet Survey PRO)	
Other		
External Antenna Support	Yes (Dual-Band)	Yes (Tri-Band)
Screenshot Captures	Yes	
VNC Remote Access and Control		
Save Results to USB Thumb Drive		
Typical Battery Life	4.5 hours	10 hours
Charge Time	7 hours	3 hours

netally.com/products/aircheckg3

