AirCheck™ G2 vs. G3
Product Comparison

You may be wondering if you should upgrade your AirCheck G2 to an AirCheck G3. The AirCheck G2 is a great tool and has served you well. Still, the AirCheck G3 is the latest and greatest from NetAlly and 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 and 6GHz –** Both the AirCheck G2 and AirCheck G3 provide Wi-Fi 6 visibility on the 2.4GHz and 5GHz bands, but with its native Wi-Fi 6/6E radio, the AirCheck G3 provides visibility into the 6GHz band. It also allows you to connect at actual Wi-Fi 6/6E data rates, and capture Wi-Fi 6 data frames.

- **Level of Analysis –** Another big difference is the amount of information they provide. Both provide Wi-Fi visibility, but 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 G2 provides complete 2.4/5GHz Wi-Fi site surveying, analysis, and troubleshooting functionality. However, in addition to Wi-Fi 6/6E functionality, the AirCheck G3 offers additional testing capabilities, including network discovery, path analysis, and topology mapping in Link-Live. Additionally, the Android operating system in AirCheck G3 allows you to install third party apps on your tool as needed.

- **Battery Life –** The AirCheck G2 battery will last about 4.5 hours, which is more than enough for spot checking and troubleshooting. Still, it may not be enough to perform a full day of site surveying with the AirMapper™ app. 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.

In conclusion, the AirCheck G2 is a great Wi-Fi site surveying, testing, and troubleshooting tool. But if you need a tool that supports the 6GHz band, includes a native Wi-Fi 6 radio, can be used for short term monitoring, allows you to expand its functionality by installing apps, and has longer battery life, then AirCheck G3 is the perfect solution.

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
Wi-Fi Bands (2.4, 5, 6GHz)	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 Link Test	10M/100M/1G	No
Wired Ethernet Interfaces	Copper (1)	None
Operating System	Custom version of embedded Linux	Android (runs 3rd party apps*)*
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 and Test Accessory support)*	Yes *(iPerf 3, Test Accessory, and SpeedTest support)*
Spectrum Analysis	No	Yes *(Optional with NXT-1000)*
Packet Captures	Yes *(Does not include Wi-Fi 6 data frames)*	Yes *(Includes Wi-Fi 6 data frames)*

AirCheck™ G2 vs G3
Product Comparison Chart

Features	AirCheck™ G2	AirCheck™ G3
Wi-Fi Validation & Troubleshooting - *continued*		
Channel Overlap ("Channel Map")	**Yes** *(2.4, 5GHz bands)*	**Yes** *(2.4, 5, 6GHz 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, and 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 & Priorities	**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

NetAlly
simplicity • visibility • collaboration

Link-Live™