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Read the Intuitibits Blog for Its 802.11 Explainers

By **Keith Parsons, CWNE #3** · 2026-09-04 · originally on LinkedIn

If you run Wi-Fi for a living and you have only ever read the Intuitibits blog for its release notes, you are leaving the best part on the table. The blog belongs to Adrian Granados, co-founder of Intuitibits and the engineer who first shipped WiFi Explorer back in 2012. Most people know the company for its tools. What earns the bookmark is the teaching. Tucked among the version announcements are some of the clearest 802.11 explainers anywhere on the open web, and they stand entirely on their own whether or not you ever run one of his tools.

Here is the part that earned my full attention. Adrian contributes to the Wireshark 802.11 dissectors. That is the code that turns raw over-the-air frames into the readable fields you stare at every time you open a capture. When he writes a post explaining a beacon, a Multiple BSSID element, or a WPA3 handshake, he is explaining the exact frames he helped teach Wireshark to decode. That is rare standing, and it is the reason these posts carry weight a vendor doc never will.

Four of them are worth your time today:

A practical introduction to Dynamic Frequency Selection (DFS): why half your 5 GHz channels sit unused on most deployments, and what actually happens when a radar event hits. Design-relevant on every site with more than a handful of APs.

Honey, I shrunk the beacon interval! A beacon-frame and airtime walk-through with a title you will remember. Beacon overhead is one of those costs nobody measures until it bites them.

The Multiple BSSID element: the virtual-AP airtime concept that matters more every year as 6 GHz fills in.

The WPA3 pair, WiFi Explorer and WPA3-Personal Compatibility Mode and Balancing Security and Compatibility with RSN Override: the transition-mode realities that decide whether your older clients actually associate or quietly fail.

All of them do the same thing. They take something the analyzer shows you and explain the 802.11 mechanism underneath it.

How to read it

When you want to understand a mechanism, read the explainer posts cold. You do not need the tool open. The DFS and beacon-interval posts teach the protocol, and the screenshots happen to come from real captures.

When you want to understand a capability, read the release deep-dives, like the Windows port of WiFi Explorer Pro or multi-channel capture with remote sensors. Read those to decide whether a workflow fits how you already work, not as a sales page.

Adrian also has a post on retrieving Wi-Fi details with an iOS Shortcut that pairs nicely with the Shortcuts work I have written about elsewhere, but that is a side trip. The protocol explainers are the main road.

A note on cadence so you set expectations right. This is not a daily feed. Posts land on a release-and-analysis rhythm, a handful a year, driven by a new version or a notable 802.11 development worth writing up. The most recent one is current. Do not wait for a firehose. Read the back catalog, then check in when something ships.

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