zSignal™ WLAN test app

80 MHz 802.11ac test suite example: gated power vs. time, constellation, spectrum flatness/mask, EVM, Pilot EVM, Data & pilot EVM, TX freq. error, center freq. leakage, I/Q gain/phase/delay mismatch, peak/average power.

zSignal WLAN

LitePoint's zSignal WLAN test app shortens time to profit through prevalidated standards-based testing – with full instrument synchronization, built-in RF envelope, backplane or EXT triggering and save setup for automated batch runs and analysis.

LitePoint's zSignal WLAN test app runs the newest 802.11ac 80 and 160 MHz modulation standards, manages x2 to x8 MIMO tests using library and imported custom IQ waveforms to speed chip or module characterization.

LitePoint's zSeries Test Solutions with 500 MHz I/Q modulation bandwidth and the zSignal WLAN test app shorten the time to next generation wireless.

"Got to get this chip qualified for 160 MHz this week. Wish I could just get the results I need and not have to design and automate a tester!"

Features

- Standards-based real-time, swept or batch run testing
- Parametric sweeps for full WLAN characterizations in seconds
- Comprehensive WLAN standards and modulation bandwidths: 802.11a, b, g, n, p, ac, af 160, 80+80, 80, 40 and 20 MHz BPSK to 256QAM
- All channel frequencies: 250 MHz to 6 GHz
- N x M MIMO streams: x2 to x8
- Connects to digital predistortion test app and individual instrument panels
- Table driven automated characterization
- Save setups and results

zSignal WLAN 2x2 MIMO with Waveform Creator

Test app sequencer

- Table driven
- Enable/disable individual blocks
- Control external equipment like temperature chambers
- Nested multiple passes for fully automated characterization

For more information: sales@litepoint.com

zSignal WLAN runs on LitePoint zSeries Wireless Test Sets

PA/FEM Tester

MIMO Tester

RF Chipset Tester