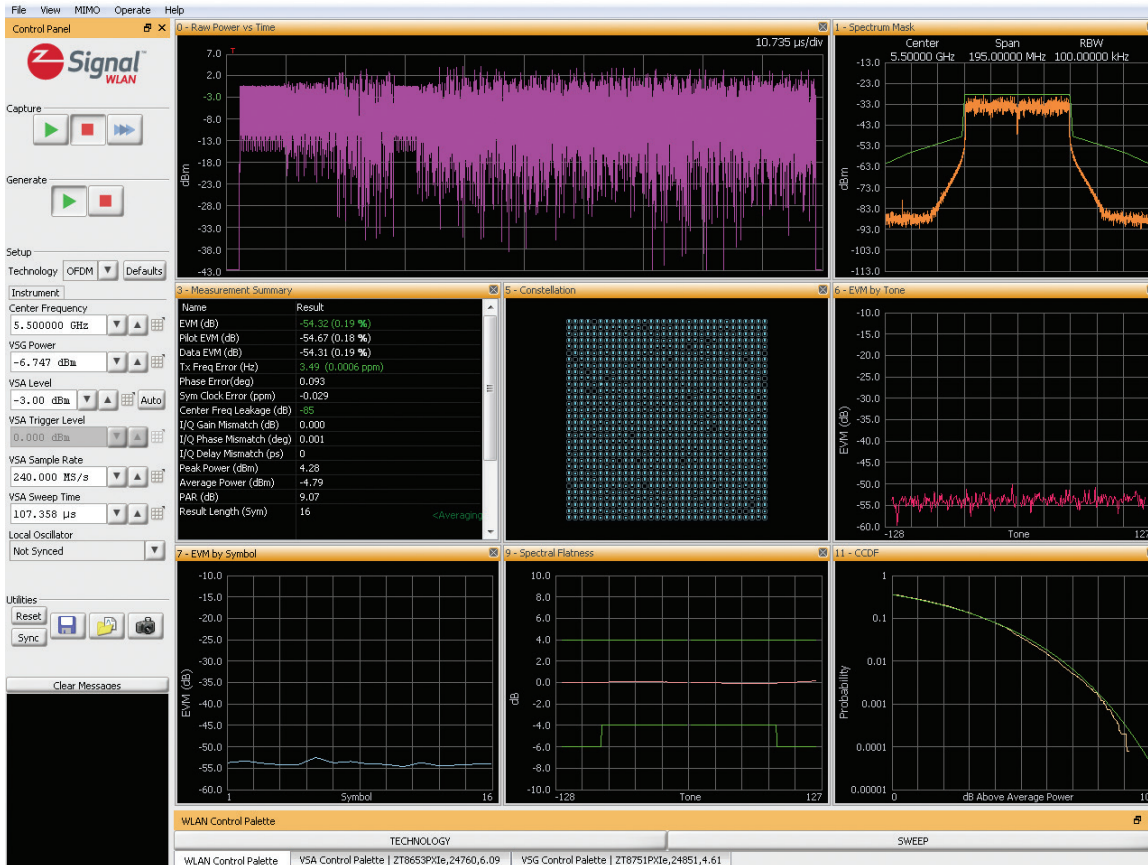


# zSignal™ 802.11ax



802.11ax 1024-QAM test suite example: power vs. time, constellation, spectrum flatness/mask, EVM, EVM by Symbol, EVM by Tone, CCDF, TX frequency error, center frequency leakage, I/Q gain/phase/delay mismatch, peak/average power.

## zSignal™ 802.11ax

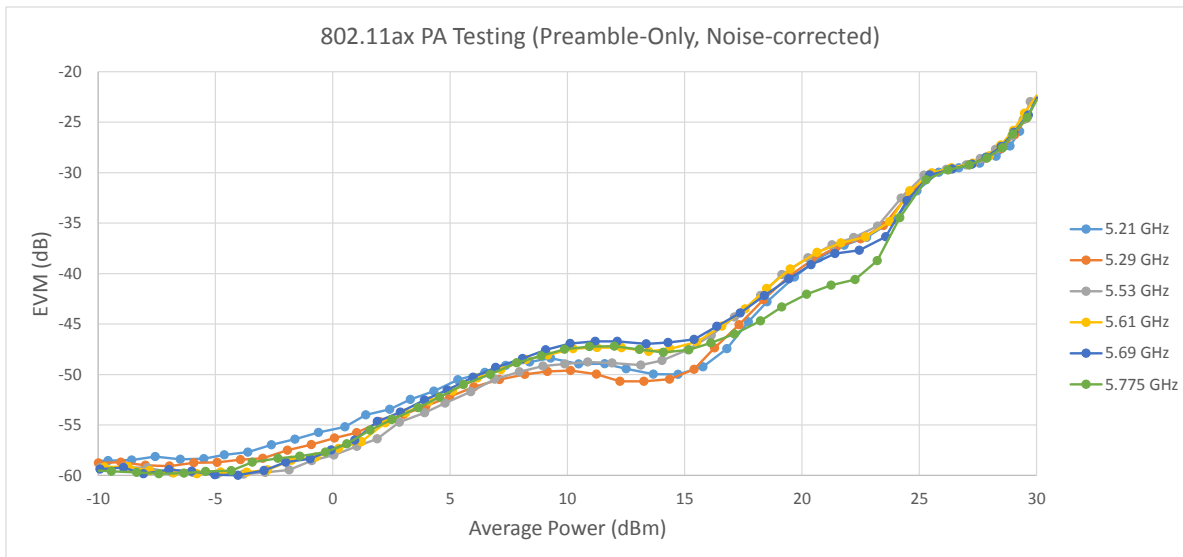
LitePoint's zSignal™ 802.11ax software license adds transmit quality analysis and waveform creator support for the next generation High Efficiency WLAN standard. This 802.11ax software augments LitePoint's zSignal™ WLAN license for 802.11 a/b/g/j/n/p/ac/af/ah.

In combination with LitePoint's zSeries Test Solutions, typical equipment EVM floors for 802.11ax 80 MHz (HE80) are <-50 dB (preamble-only).

## Features

- Compliant with latest 802.11ax standard from IEEE working group, with updates available as standard evolves
- Validated interoperability with 802.11ax WLAN chipsets
- Comprehensive WLAN measurements including Power versus Time, EVM, spectral mask, spectral flatness, EVM by symbol, EVM by tone, CCDF, amplitude deviation versus symbol, and other TX Quality measurements
- See zSignal™ WLAN software license for 802.11 a/b/g/j/n/p/ac/af/ah analysis and waveform creation

zSignal™ 802.11ax includes Noise Correction functionality to distinguish noise from other EVM impairments



#### zSignal™ 802.11ax Software License Includes:

- IEEE 802.11ax compliant waveform transmit quality analysis and waveform creator software, supporting up to 1024-QAM, 160 MHz bandwidth, and X8 MIMO. It supports the ¼X subcarrier spacing and the new HE-SIG-A/B & HE-MU-PPDU fields as defined by the 802.11ax draft specification
- EVM enhancement for z8751 Vector Signal Generator which provides typical preamble-only EVM of <-50 dB for 802.11ax 80 MHz (HE80)
- Noise correction functionality to assist with investigation of DUT impairments below the VSA noise floor. This is useful as an investigative technique to isolate contributions to EVM degradation other than noise (e.g. non-linear distortion, I/Q mismatch or transient effects)

#### Signal™ 802.11ax runs on LitePoint zSeries Wireless Test Sets



RF Chipset Tester



PA FEM Tester



MIMO Tester

For more information: [sales@litepoint.com](mailto:sales@litepoint.com)



[www.litepoint.com](http://www.litepoint.com)