WLAN · WiMAX · MIMO · OFDM/A · GSM · W-CDMA

Test your signals with the newest, most advanced innovations for wireless test

- **NEW** Series 2900 RF Vector Signal Generators with maximum frequencies of 4GHZ or 6GHZ can generate signals as low as 10MHz.
- **NEW** Series 2800 RF Vector Signal Analyzers with 40MHz of bandwidth as standard in either a 4GHz or 6GHz model.
- Flexible and fast remote connectivity for LAN (LXI), USB, and GPIB.
- High speed embedded DSP measurements technology for GSM, EDGE, W-CDMA, IS2000, SISO WLAN, and even the industry's most demanding signal, 802.11n MIMO with 40MHz of bandwidth.
- Patented single down/ up conversion and digital processing techniques reduce cost while maintaining performance.

What's your signal?

The Complete Cellular Suite

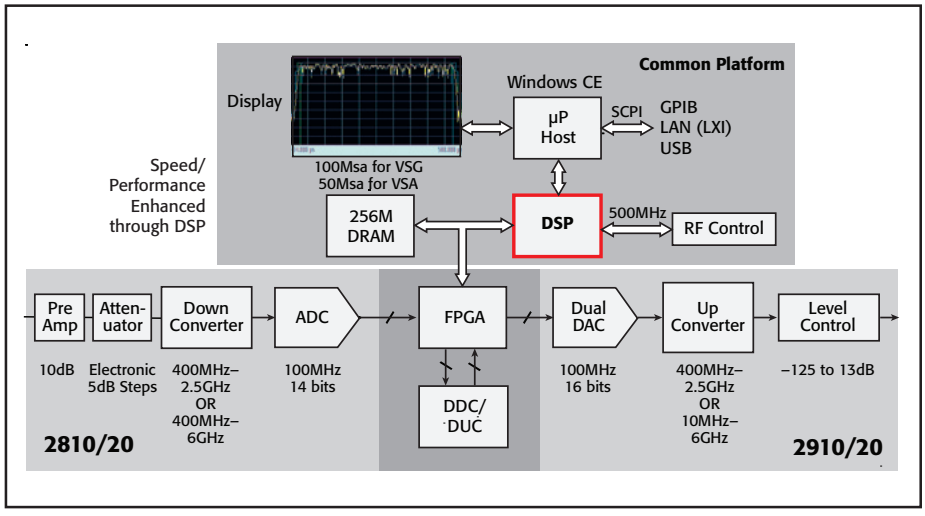
- RF Parametrics (W-CDMA/GSM/EDGE/ cdma2000/TD-SCDMA)
- Fast Calibration (Qualcomm compatible)
- Non-signaling BER/SER
- Bluetooth
- GPS
- Mobile Video (MediaFLO, DVB-H)

The Most Advanced Connectivity Solution

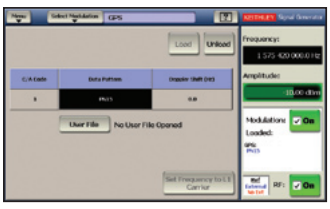
- 802.11n (up to 4X4 MIMO capabilities)
- 802.11a/b/g/j/n (high speed SISO capabilities)
- 802.16e (Wave 2 upgradable)

Wide Bandwidth Signal Creation and Analysis Flexibility

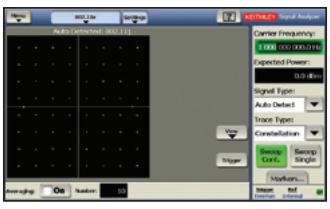
- Built-in general Digital Modulation Signal Generation
- Easy MATLAB® connectivity



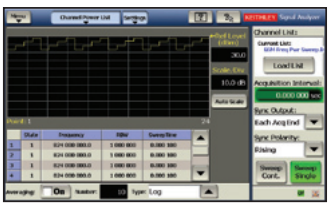
Series 2900 RF Vector Signal Generators and Series 2800 RF Vector Signal Analyzers provide a higher performance measurement engine on top of a digital IF (intermediate frequency) architecture.



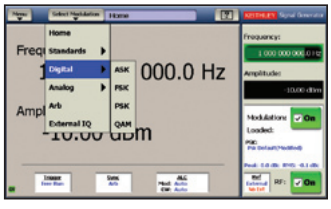
GPS



OFDM



Fast Power



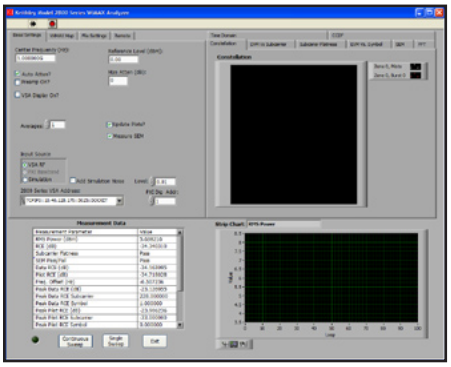
ASK/PSK FSK/QAM

KEITHLEY

A GREATER MEASURE OF CONFIDENCE

Superior Software Analysis Tools

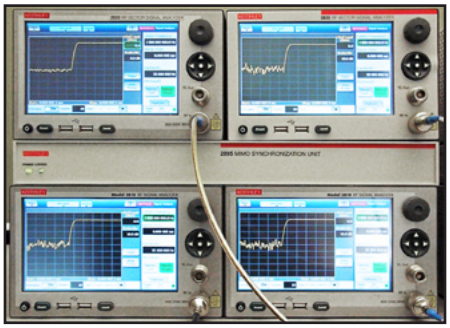
- Keithley software suites for WLAN 802.11 b/g, 802.11 a/g, 802.11n (with 40MHz channels), WiMAX/WiBro, MIMO.
- MATLAB - A key tool for RF communications R&D.
- Free Keithley tools – ARB GenView for generic digital modulation, KI 2810 VSA for additional data display.



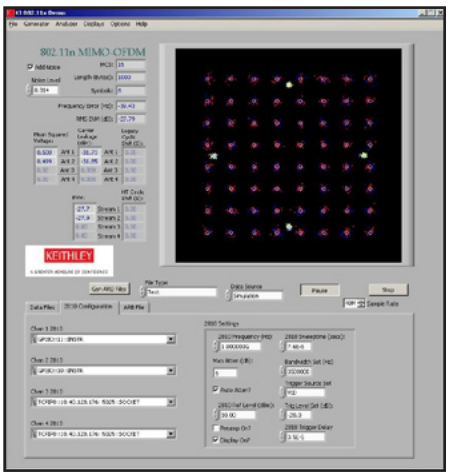
Series 2800 WiMAX Analyzer

Superior Performance, Flexibility and Value for MIMO

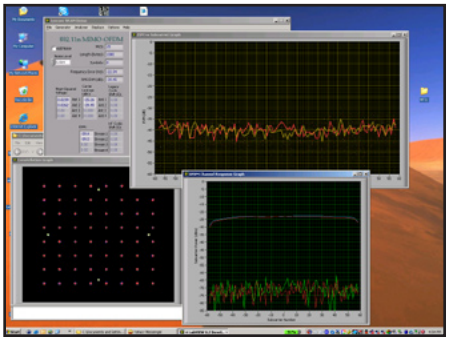
- Uses standard MIMO-ready instruments for full 4×4 signal generation and analysis to 6GHz.
- Less than –40dB (Characteristic) EVM (Error Vector Magnitude) for 4×4 40MHz wide signals.
- Precise and stable RF carrier and waveform synchronization; no extra calibration is required.
- Provides lowest cost per channel for 6GHz/40MHz performance.



Keithley's 6GHz MIMO-ready instruments and new MIMO Synchronization Unit



MIMO Receiver OFDM Analysis Software



Keithley MIMO software simultaneousLY sources and receives a 2×2 measurement.

Building on Award-Winning Innovation and Performance

The Models 2810 and 2910 received numerous prestigious awards, including Product of the Year, during their inaugural year alone.

- 2006 Product of the Year Award – *Electronic Products* Magazine; Test Instrument Category.
- Finalist, Innovation Award; – *EDN* Magazine; Test & Measurement Category.
- Honorable Mention, 2006 Best in Test Awards - *Test & Measurement World* Magazine.
- 2006 Innovation Award - *Electronics* Magazine – Asia.

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KEITHLEY INSTRUMENTS, INC. ■ 28775 AURORA ROAD ■ CLEVELAND, OHIO 44139-1891 ■ 440-248-0400 ■ Fax: 440-248-6168 ■ 1-888-KEITHLEY ■ www.keithley.com

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