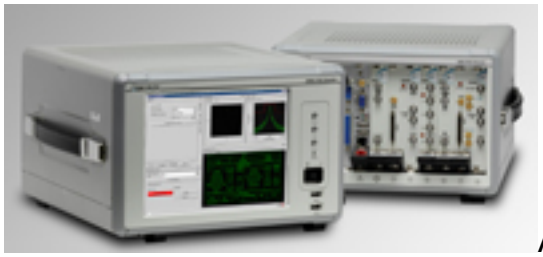
RF Modular Instruments Add FM and ZigBee Analysis



Aeroflex Limited announced the addition of the Generic Measurement Suite to its PXI 3000 Series of RF modular instruments to meet the current and future testing needs of wireless communication devices. The Generic Measurement Suite, designated PXI 3030 Option 111, is new software that enables production test and development engineers using Aeroflex PXI 3000 systems to perform a variety of generic analyses of analog and digital modulated signals. The initial release supports the analysis of broadcast FM signals as well as phase shift keying (PSK) modulation types including binary phase shift keying (BPSK), quadrature phase-shift-keying (QPSK), and offset-quadrature phase-shift-keying (OQPSK) for example as used by ZigBee devices. Future software releases will expand upon this capability.

“The addition of the Generic Measurement Suite to PXI 3000 provides users with a versatile and affordable platform for general purpose analog and digital communications test.” commented Tim Carey, product manager at Aeroflex Limited.
This first release, although targeted at specific applications in FM broadcast analysis and ZigBee analysis, is a generic tool kit with new modulation analysis functions and additional extensions to PXI 3000’s underlying spectral measurement functionality to correctly analyse continuous or discontinuous RF signals.

ZigBee analysis is addressed by configuring the appropriate parameter settings for the measurement of modulation, power, and spectrum parameters (e.g. ACP, SEM, OBW) specific to ZigBee. These same parameters can easily be configured to analyze other PSK based systems.

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Links:
[1] http://www.aeroflex.com