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A quarterly newsletter for people in the communications industry

Fastbit Technologies is a company that values and commits itself to engineering that simplifies broadband physical layer testing. We aim to provide you with complete test instruments with unique features. The founders of Fastbit originated from Tektronix, Hewlett Packard and Hughes Aircraft. Collectively, they have more than sixty years experience in transmission test equipment development, with world-class expertise in high-speed digital design, DSP, analog, RF, and software development. Our products are developed by test engineers for test engineers. Fastbit's product list includes: The FB100A - a high speed bit error rate test system, the FB2000A - a frequency tunable carrier/noise test system, and the FB3000A - a QPSK/QAM cable modulator.

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BERT ASI Interfacing directly to the DUT via Pod

A unique feature of the FB100A is it's interface capabilities, which offers a selection of parallel interface pods that provide a wide variety of test interface configurations. One of the interfaces supported is ASI.

The FB100A ASI Generator pod converts the FB100A's Generator parallel output to a DVB-ASI compliant interface. The FB100A will automatically...

The FB100A ASI Analyzer pod converts a DVB-ASI compliant interface to a suitable parallel interface for the FB100A Analyzer for error analysis...

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Frequency Tunable Carrier / Noise Test System

Inherent to the FB2000A architecture is its frequency tunable noise source...

The instrument's frequency synthesizer facilitates bandpass filtered noise addition in five user-selectable bandwidths centered anywhere in the 5 MHz to 2.4 GHz frequency band (BW=6, 12.5, 25, 50 and...

The instrument's proprietary technology allows setting of high C/N ratios at carrier power levels as low as 140 dBm, while maintaining...

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BERT synchronization issues

Test engineers can now make BER measurements on framed data structures without fabricating a frame stripper board...

"Burst" clock and data streams do not have to be retimed and smoothed prior to BER analysis...

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INSTALOK™ -Fast synchronization on complex frames

A unique two step synchronization process...

Instalok utilizes a user-defined Frame Sync Word (FSW) to synchronize to the PRBS payload using a feed forward technique.

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