# Generator and Analyzer Modules

Agilent announced the addition of new 10.8 Gb/s generator and analyzer modules to its Parallel Bit Error Ratio Testing (ParBERT) 81250 43G portfolio. With these new modules, Agilent's 43.2 Gb/s platform is able to stimulate and analyze both the parallel and serial sides of 16:1 and 4:1 OC-768 (STM-256) and OC-192 (STM-64) multiplexers and demultiplexers (MUX/deMUX).

The complete Agilent ParBERT 81250 portfolio solution offers a variety of benefits to customers including an electrical/optical solution &#151 the Agilent E2150A &#151 that allows testing of 43 Gb/s transceivers and transponders; tributary measurement capabilities that test 4:1/1:4 OC-768/STM-256 MUX/deMUX with a combination of ParBERT 43.2 Gb/s and 10.8 Gb/s modules at the same time and test 16:1/1:16 OC-768/STM-256 MUX/deMUX with ParBERT.

The SFI-5 (Sonet Framer Interface 5) standard is used with 40 Gb/s devices running 16 inputs at approximately 2.5 Gb/s for automatic phase alignment of input signals. It requires 16 data channel inputs and a &quot17th&quot channel, which acts as a conduit for carrying information for alignment. Only the Agilent ParBERT 81250 has the ability to support SFI-5 with a 17th tributary channel and up to 64 channels at 2.7 Gb/s.

In response to customers who are dealing with shrinking budgets, Agilent has instituted a program specifically geared for the ParBERT 81250 43G. The program, which minimizes cost of ownership over time, allows customers to upgrade in three steps. First, Agilent field engineers work with customers to configure their new systems, then customers decide on new contract term lengths (a combination of the original and refresh terms that must total 36 months overall), and Agilent modifies the customer's lease to reflect the rollover of the new equipment and payment.

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