

High Performance TR Module Testing Powered By CodeOne™ - An integrated solution by COM DEV Ltd.

A major breakthrough in pulse measurement is now available to TRM manufacturers. The Agilent PNA-X wrapped around with COM DEV CodeOne™ measurement software enables manufacturers to perform thousands of measurements within minutes. The optional e-trak™, an inline calibration tracking switch matrix offers unmatched repeatability and accuracy for multiport testing.

Until now, TRM manufacturers couldn't perform accurate pulse measurement at high speed. The new enhancements in the Agilent PNA series combined with CodeOne™ measurement software will produce fast accurate pulsed and non-pulsed measurements within minutes. The optional e-trak switch matrix allows **fast multiple DUT** testing, removing the production bottleneck caused by the existing pulse measurement systems.

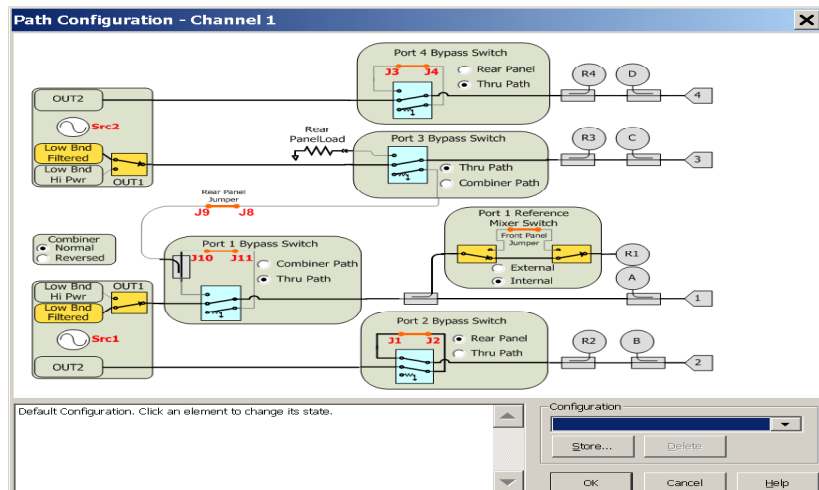
Agilent PNA-X Network Analyzer Enhancements

- Industry's first 2-port network analyzer with an internal second signal source
- Industry-leading performance with the best source harmonics with the most linear receivers
- Internal-combining network for simplified two-tone measurements
- Internal modulators and pulse generators for fast, simplified pulsed Measurements (pulse profiles up to 30 times faster than using external pulse Generators)
- Rear panel access loops and internal switches for signal conditioning or Single-connection multiple measurements

New enhancements reduce TR Test System equipment count by 50%

The PNA-X can be configured to perform various measurement setups through internal switches for signal conditioning or single –connection multiples measurement.

Figure 1- PNA-X Path Configuration



CodeOne™ - An Enterprise Solution for High Mix RF Testing

CodeOne™ allows a flexible and highly integrated PNA-X architecture to be configured for the various measurements. Automatic measurements such as CW, Pulsed, NF and Inter-modulation Product are extremely fast since the DUT control and handshaking happens simultaneously. CodeOne™ manages both the DUT and the PNA, and offers a wide variety of built-in features, such as calibration wizard, advanced data processing and display capabilities (e.g. graphical overlay) and extremely powerful automatic test report generation.

Figure 2- The CodeOne™ User Panels

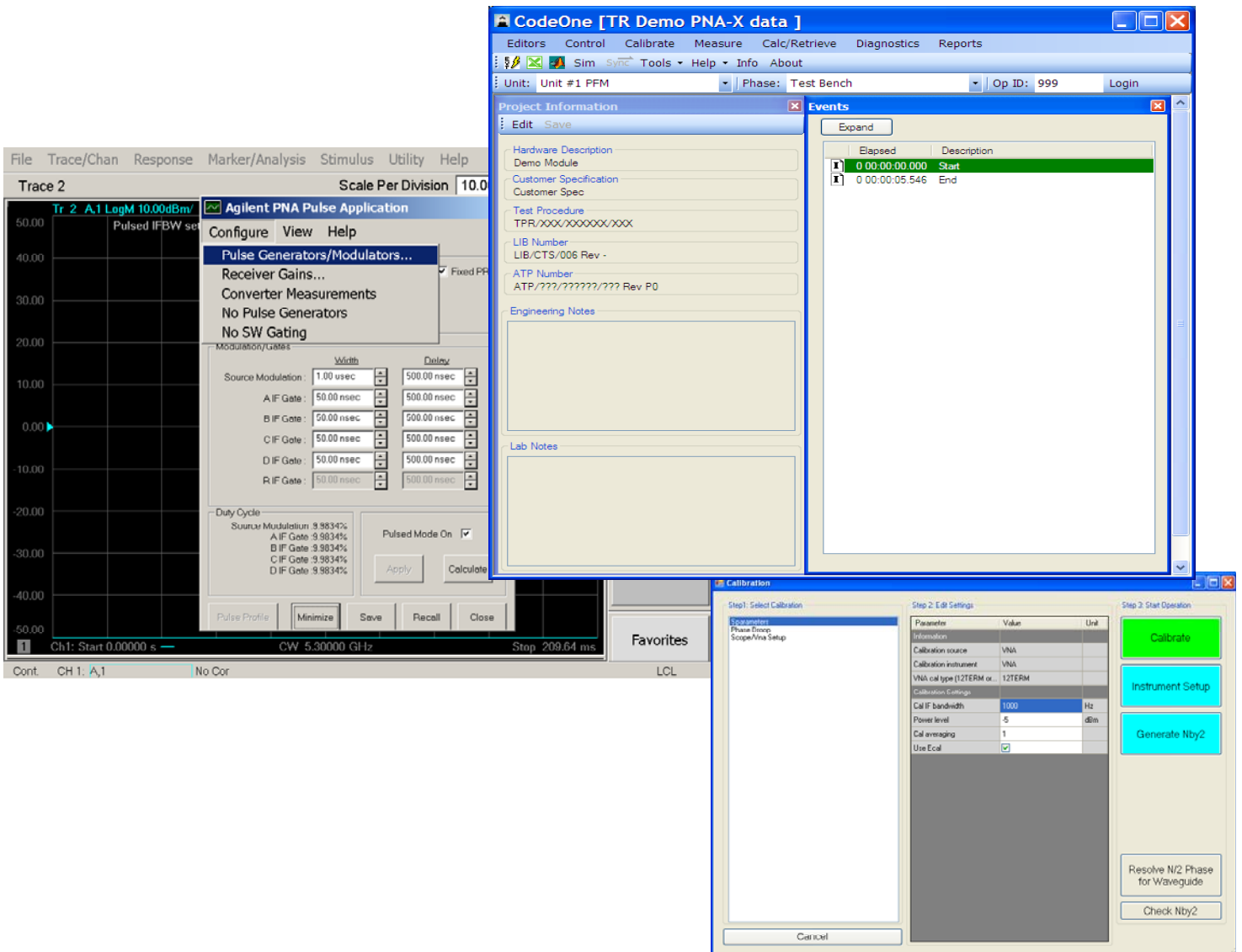


Figure 3 – Typical TR Module Test Setup

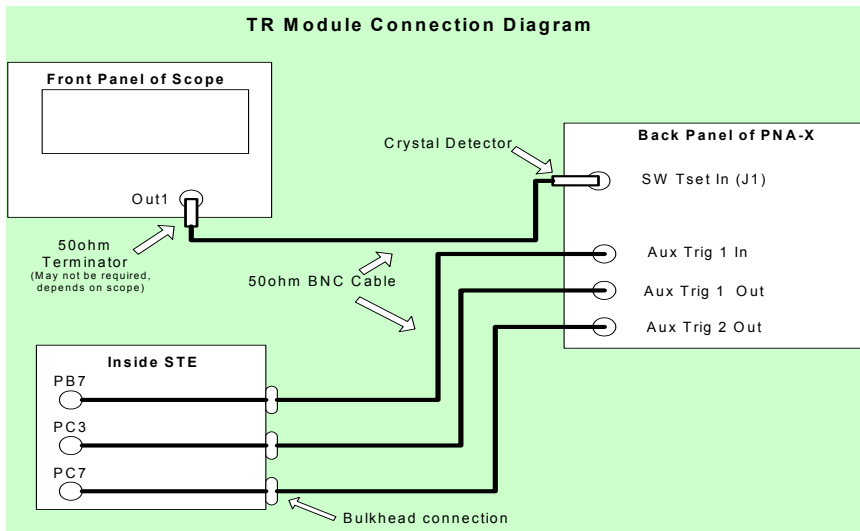


Figure 4 – Typical Measurement Timing Diagram

