S97553B Multiport Calibrated Measurements with Switch Instruments
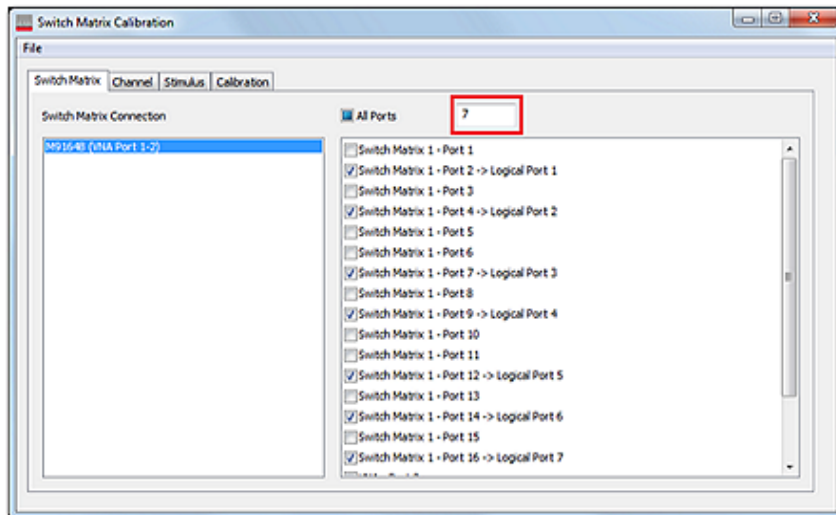
This application provides a macro which enables full multiport error correction and measurement capabilities using external switch instruments

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This application provides a macro which enables full multiport error correction and measurement capabilities using external switch instruments.

HIGHLIGHTS

- Provides multiport calibrated measurements using external switch matrix module

- P9164A/65A USB 6.5 GHz 2x8 switch and P9164B/65B USB 9 GHz 2x16 switches supported

- Controls the calibrations and measurements for VNA and switch matrix

- Measurement data is converted and transferred to a VNA viewer (acting as a multi-port VNA)

This application provides a macro which enables full multiport error correction and measurement capabilities using external switch instruments such as the M9164A/B or M9165A/B PXI solid-state switch matrix. The software includes an easy-to-use measurement wizard that simplifies measurement procedures and reduces the setup time of complicated multiport measurements. The VNA displays measured multiport S-parameters.
Multiport configurations using one P50xxA USB VNA and up to two switch matrices have been evaluated.

Only 4-port ECal modules (i.e. N4431/32/33D) are supported for multiport calibration with the S97553B.

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