

ABSTRACT

Measurement system for temporal signal measurement including a reference clock synthesizer configured to generate a master reference clock signal, a transmitter unit connected to the reference clock synthesizer and configured to connect to the DUT, a measurement control system connected to the transmitter unit, configured to control the transmitter unit to generate a test signal pattern based on a first reference clock signal derived from the master reference clock signal, and to generate a signal for passing through the DUT based on the test signal pattern, and a receiver unit connected to the reference clock synthesizer and configured to connect to the DUT, and configured to detect the signal and generate a digital signal based on the signal and a second reference clock signal derived from the master reference clock signal; wherein the measurement control system is configured to provide an output signal including measurement results based on the digital signal.

FIG. 1