a) Schematic illustration of the CPW: topview and cross section.
b) Schematic illustration of the experimental setup for picosecond on-wafer optoelectronic measurements.
Pulse Propagation Measurement

Time-domain data of picosecond pulse propagation on CPW I. All sampling positions $z$ are given in mm.
Averaging

(a) Diagram showing the process of averaging.

(b) Graphs illustrating the averaged signals over time, with labels indicating specific time points and averaging period $T_0$. The diagram also highlights the difference $dt$. 
Noisy Measurement

Signal masked by noise

Noise removed by averaging
Noisy Signal in the Time Domain

noisy signal

noise removed by averaging
Noisy Signal in the Frequency Domain

noisy signal

noise removed by averaging
Principle of Box-Car Averaging