ABSTRACT

A method for reporting CSI includes: transmitting an uplink reference signal to a network device; receiving beamformed downlink pilot signals transmitted by the network device at T consecutive time points; estimating downlink effective channel information corresponding to the T consecutive time points according to the beamformed downlink pilot signals of the T consecutive time points; determining CSI corresponding to the T consecutive time points according to the downlink effective channel information corresponding to the T consecutive time points; and reporting the CSI to the network device; wherein, a beam used by the beamformed downlink pilot signals is determined based on uplink channel information estimated according to the uplink reference signal, and the CSI is used by the network device to determine a precoding matrix for downlink data transmission at a time point t, wherein the time point t is after the T consecutive time points, and T is a positive integer.

FIG. 2