ABSTRACT

This application provides a communication method and system, and a related apparatus. In the method, a terminal can perform reverse calculation on an uplink channel based on first downlink CSI, to obtain channel state information of the uplink channel, namely, first uplink CSI. In this application, the uplink channel does not need to be sounded by using a method of exchanging an uplink reference signal between the terminal and a network device. Instead, the uplink channel is sounded by performing reverse calculation on the uplink channel based on a reciprocity calibration result of a radio frequency channel of the terminal, to obtain the first uplink CSI. This can reduce signaling interaction and improve uplink channel sounding efficiency.