

REFERENCE SIGNAL TRANSMISSION METHOD AND COMMUNICATION APPARATUS

ABSTRACT

This application provides a reference signal transmission method and a communication
5 apparatus. The method includes: A first communication apparatus determines a reference signal
resource based on N pieces of channel characteristic information representing a channel between
the first communication apparatus and a second communication apparatus and M pieces of energy
scale information. Any piece of channel characteristic information indicates a correspondence
between an energy component of the channel and a transmission resource, the reference signal
10 resource includes a plurality of resource units in a transmission resource, and energy indicated by
one or more pieces of energy scale information in correspondences indicated by one or more pieces
of channel characteristic information corresponds to one resource unit; the first communication
apparatus sends, to the second communication apparatus, first information including at least one
piece of energy scale information; and the first communication apparatus and the second
15 communication apparatus transmit a reference signal on the reference signal resource. In this way,
channel estimation precision and resource utilization can be improved.

FIG. 3