

ABSTRACT

Provided is a terminal device configured to transmit an RI for PDSCH transmission, to receive first information used for determining a first maximum number of layers being a first maximum number assumed for determining the bit width for the RI, to receive a transport block on the PDSCH, and to decode a code block of the transport block. Here, in a case that the decoding of the coded block fails, at least soft channel bits corresponding to a range of prescribed soft channel bits are stored, and the prescribed soft channel bits are based on the first information used for determining the aforementioned first maximum number of layers.

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