

ABSTRACT

A terminal device transmits an RI determined by the terminal device, the RI corresponding to PDSCH transmission and corresponding to the number of layers, transmits capability information including first information, second information, third
5 information, and/or fourth information, and receives fifth information, wherein the first information indicates a UE category corresponding to a first maximum number of the layers, the second information indicates a first bandwidth class, the third information indicates a second maximum number of the layers, the fourth information indicates a third maximum number of the layers, the fifth information indicates a fourth maximum
10 number of the layers, and a fifth maximum number of the layers assumed for determining a bit width for the RI is given by referring to any one of the first maximum number of the layers, the second maximum number of the layers, and the fourth maximum number of the layers.