

CLAIMS

1. A terminal device comprising:

reception circuitry configured and/or programed to monitor a control channel, wherein an antenna port of the control channel has a quasi co-location relationship with an antenna port of a first channel state-information-reference signal (CSI-RS); and

decoding circuitry configured and/or programmed to decode a shared channel based on the control channel; wherein

in a case that the control channel is received on a first duration and the shared channel is received on a second duration that is different from the first duration, an antenna port of the shared channel has a quasi co-location with an antenna port of a second channel state information-reference signal; and

in a case that the control channel and the shared channel are received on the same duration, the antenna port of the shared channel has a quasi co-location relationship with the antenna port of the first channel information-reference signal, wherein a duration refers to one or a plurality of slots, or one or a plurality of OFDM symbols in time domain;

wherein a length of an OFDM symbol is based on a number of points in Fast Fourier Transform (FFT) used to generate the OFDM symbol, and the length of the OFDM symbol includes a Cyclic Prefix (CP) length added to the OFDM symbol.

2. A communication method performed by a terminal device, the communication method comprising:

monitoring a control channel, wherein an antenna port of the control channel has a quasi co-location relationship with an antenna port of a first channel state-information-reference signal (CSI-RS); and

decoding a shared channel based on the control channel; wherein

in a case that the control channel is received on a first duration and the shared channel is received on a second duration that is different from the first duration, an antenna port of the shared channel has a quasi co-location with an antenna port of a second channel state information-reference signal; and

in a case that the control channel and the shared channel are received on the same duration, the antenna port of the shared channel has a quasi co-location relationship with the antenna port of the first channel information-reference signal,

wherein a duration refers to one or a plurality of slots, or one or a plurality of OFDM symbols in time domain;

wherein a length of an OFDM symbol is based on a number of points in Fast Fourier Transform (FFT) used to generate the OFDM symbol, and the length of the OFDM symbol includes a Cyclic Prefix (CP) length added to the OFDM symbol.