

**Title Of Invention: WIRELESS COMMUNICATION DEVICE AND WIRELESS
COMMUNICATION METHOD**

ABSTRACT

5

Provided are wireless communication devices and methods. A wireless communication device can comprise: circuitry operative to map at least a first type of reference signals (RSs) onto orthogonal frequency division multiplexing (OFDM) symbol(s) other than the OFDM symbols onto which shortened transmission time intervals (TTIs) are mapped in
10 a subframe, each of the shortened TTIs comprising 1-7 OFDM symbols; and a transmitter operative to transmit a physical channel in one of the shortened TTIs and transmit at least the first type of RSs.

[Fig. 5]