ABSTRACT

MOBILE TERMINAL APPARATUS, RADIO COMMUNICATION METHOD AND RADIO COMMUNICATION SYSTEM

It is an object of the present invention to adequately report the SRS transmission timing and SRS parameters to a mobile terminal apparatus, when an aperiodic SRS is adopted, and efficiently use radio resources to be used for SRS transmission. The mobile terminal apparatus is provided with a receiving section configured to receive, in a downlink control channel, specific bit information selected from a bit information piece to indicate not to trigger the aperiodic SRS and a plurality of bit information pieces each to indicate to transmit the aperiodic SRS using a predetermined default SRS parameter, and an SRS transmission setting section configured to control transmission timing of the aperiodic SRS based on the specific bit information and control transmission timing of the periodic SRS in a predetermined period. When transmission of the aperiodic SRS and transmission of the periodic SRS occur in a same subframe, the SRS transmission setting section transmits the aperiodic SRS preferentially and does not transmit the periodic SRS.

FIG. 9