

ABSTRACT

BASE STATION DEVICE, MOBILE STATION, RADIO
COMMUNICATION SYSTEM, AND COMMUNICATION CONTROL
METHOD

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In a radio communication system including
a mobile station and a base station apparatus for
communicating with the mobile station according to a
10 SC-FDMA scheme in uplink, the mobile station
includes a transmitting unit configured to transmit
at least one of a first signal and a second signal;
and a Sounding RS transmitting unit configured to
determine a transmission band for a Sounding
15 Reference Signal (Sounding RS) based on mapping
information of at least one of the first signal and
the second signal.

FIG. 5

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