

MOBILE STATION DEVICE, BASE STATION DEVICE,
UPSTREAM LINK AND DOWNSTREAM LINK TRANSMISSION METHOD

ABSTRACT

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A mobile station includes a channel quality estimation unit configured to estimate downlink channel quality based on a reference signal from a base station and to output the estimated downlink channel quality as
10 channel estimation information; an acknowledgement information determining unit configured to determine whether a downlink data channel from the base station is correctly received and to output the determination result as acknowledgement information; and an acknowledgement
15 information prioritizing unit configured to cause the acknowledgement information to be preferentially transmitted to the base station if transmission timings of the channel estimation information and the acknowledgement information coincide.

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Figures 4A and 4B