ABSTRACT

POWER CONTROL AND HANDOFF WITH POWER CONTROL COMMANDS AND ERASURE INDICATIONS

Techniques for performing power control and handoff are described. In an aspect, power control (PC) is supported with multiple PC modes such as an up-down PC mode and an erasure-based PC mode. One PC mode may be selected for use. Signaling may be sent to indicate the selected PC mode. If the up-down PC mode is selected, then a base station estimates the received signal quality for a terminal and sends PC commands to direct the terminal to adjust its transmit power. If the erasure-based PC mode is selected, then the base station sends erasure indications that indicate whether codewords received from the terminal are erased or non-erased. For both PC modes, the terminal adjusts its transmit power based on the power control feedback (e.g., PC commands and/or erasure indications) to achieve a target level of performance (e.g., a target erasure rate for the codewords). The erasure indications may also be used for handoff.

Figure 2