

SUPPLEMENTARY UPLINK IN WIRELESS SYSTEMS

Abstract

Supplementary uplink (SUL) may be used in wireless systems. Cell suitability criteria may be provided for cells configured with SUL. A Wireless Transmit/Receive Unit (WTRU) may receive paging with an indication of a carrier (e.g., SUL or regular uplink (RUL)) in which to initiate part or all of an initial access. A WTRU that may be performing response-driven paging may provide (e.g. explicit) beam information for beamforming of a paging message on a non-beamformed SUL. A handover (HO) procedure (e.g., carrier selection, configuration handling, HO failure, etc.) may be provided for a WTRU with a configured SUL. A WTRU may request a change of a configured UL. A WTRU may (e.g., autonomously) perform a switch to a different (e.g., configured) uplink, for example, when one or more conditions may be met (e.g., conditional switch). Semi-persistent scheduling (SPS) resources/configuration may be relocated from a first UL to a second UL.

[Fig. 2]