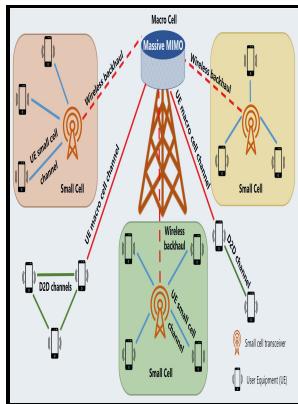


Vertical spatial diversity at the base station

-- US9685997B2



Description: -

-Vertical spatial diversity at the base station

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Notes: Thesis (M.Sc.) - Universityof Surrey, 1996.

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Antenna diversity

For example, if the average SSI is above a certain threshold, there is no need to trigger the antenna selection algorithm and a fixed number of antennas are used for transmission.

Base Station Antenna

AB - In a wireless network, communication between a source and a destination mobile station DMS fails to establish if the source or the DMS is located inside a deep shadow-fading region.

Antenna diversity type

Therefore, to reduce the SD gain in favor of the MUX gain or, equivalently, to reduce the individual SNR in favor of increasing the number of users in the set is more critical in the throughput case. Physical Hybrid Automatic Repeat Request 1 A distinct unit of data that is carried on an ARQ-enabled connection. As conditions degrade, the receiver can then assume the more highly reliable but power-hungry modes described above.

Spatial Diversity

Various transmit precoding techniques are then discussed in Section 8. The specific scrambling technique may vary, and in one embodiment, the original CRC bits are modulated, using base 2 arithmetic, with the predetermined mask or code.

Mobile WiMAX STC/MIMO Configuration

Method and apparatus for multiple input multiple output MIMO transmit beamforming 2009-02-27 2010-09-02 Qualcomm Incorporated Methods and apparatuses for scheduling uplink request spatial division multiple access rsdma messages in an sdma capable wireless lan 2009-03-04 2010-09-09 Samsung Electronics Co. This is particularly evident in Fig.

Mobile WiMAX STC/MIMO Configuration

Any other metric tracking channel variations, deep-fade rate or duration can be used as TSI. In another embodiment, the received signal may be replicated with each being processed in parallel using all of the known antenna diversity schemes. The antennas can then be located relatively close to each other, implying a compact antenna arrangement, while still experiencing low mutual fading correlation.

Mobile WiMAX STC/MIMO Configuration

Details of the operation and structure of these components, except as necessary to illustrate the operations and methods described herein, have been omitted.

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