

Common and dedicated pilots in a resource block for MIMO systems

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Venue:

Re : IEEE 802.16m-08/005 (“Call for contributions on Project 802.16m SDD”)
Target topic: “Pilot structures as relevant to downlink MIMO

Base Contribution:

IEEE C802.16m-08/160

Purpose:

For discussion and approval by IEEE 802.16 Working Group

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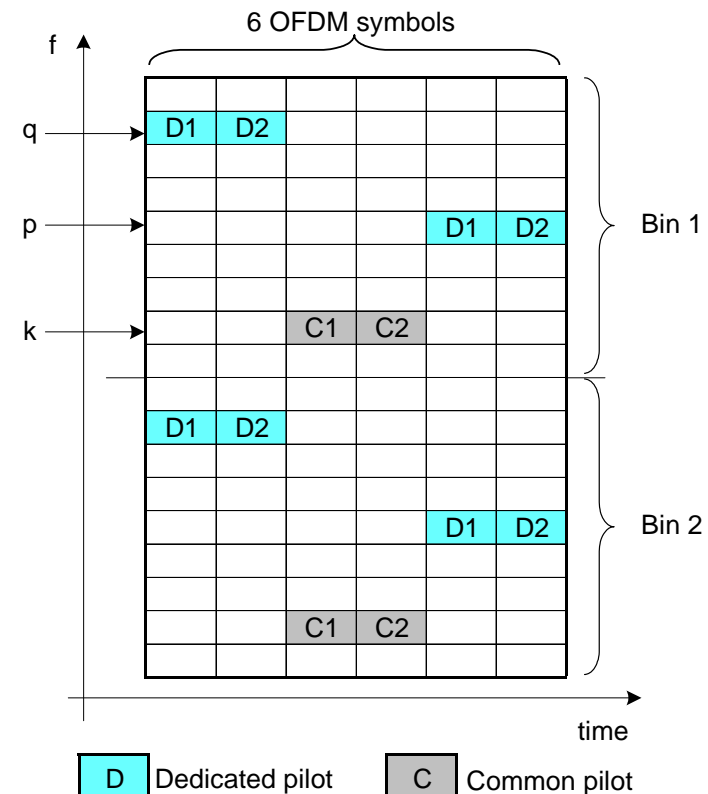
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MIMO common and dedicated pilots in a resource block

- Hybrid common and dedicated pilots utilized in one resource block to reduce the pilot density
- Common pilots used to enable other MSs to measure their own channel
- Joint dedicated and common pilots used for data stream estimation



Text Proposal

Proposed Text for SDD

Insert the following text into Physical Layer sub-clause:

----- Text Start -----

11.x Pilot structures for DL

11.x.x Common and dedicated pilots for downlink MIMO

Common pilots and dedicated pilots should be in one resource block for multi-user MIMO and single-user MIMO.

----- Text End -----