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Title	**Comment on Pilot Allocation for 5,6,7 and 8 BS Antennas**
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Re:	Response to Sponsor Ballot call for comment
Abstract	Propose Scattered Pilot Allocation for 5,6,7 and 8 BS Antennas. The update is in blue font
Purpose	Comment on Scattered Pilot Allocation for 5,6,7 and 8 BS Antennas
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Comment on Pilot Allocation for 5,6,7 and 8 BS Antennas

1 Introduction

Contribution IEEEC802.16e-04/532 (comment 1527) proposes scattered pilot pattern for 5,6,7,and 8 DL transmit at BS. In this contribution, we propose to use single scattered pilots to support 5,6,7 and 8 antenna MIMO transmission in optional FUSC and optional AMC sub-channel.

2 Proposed Solution

The proposed a single pilot pattern is based on the larger coherent time span support for the slow mobility application as shown in Figure 1.

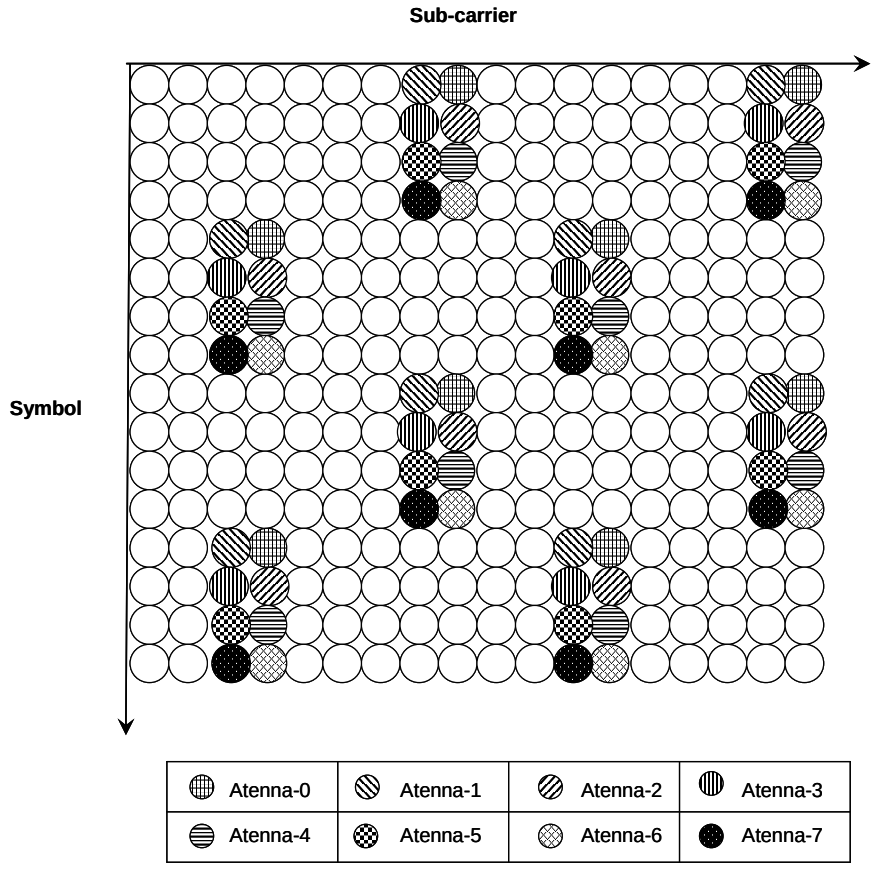

Figure 1 scattered pilot pattern for maximum 8 transmit MIMO

3 Text Proposal

[Add the following text into section 8.4.8.3.1]

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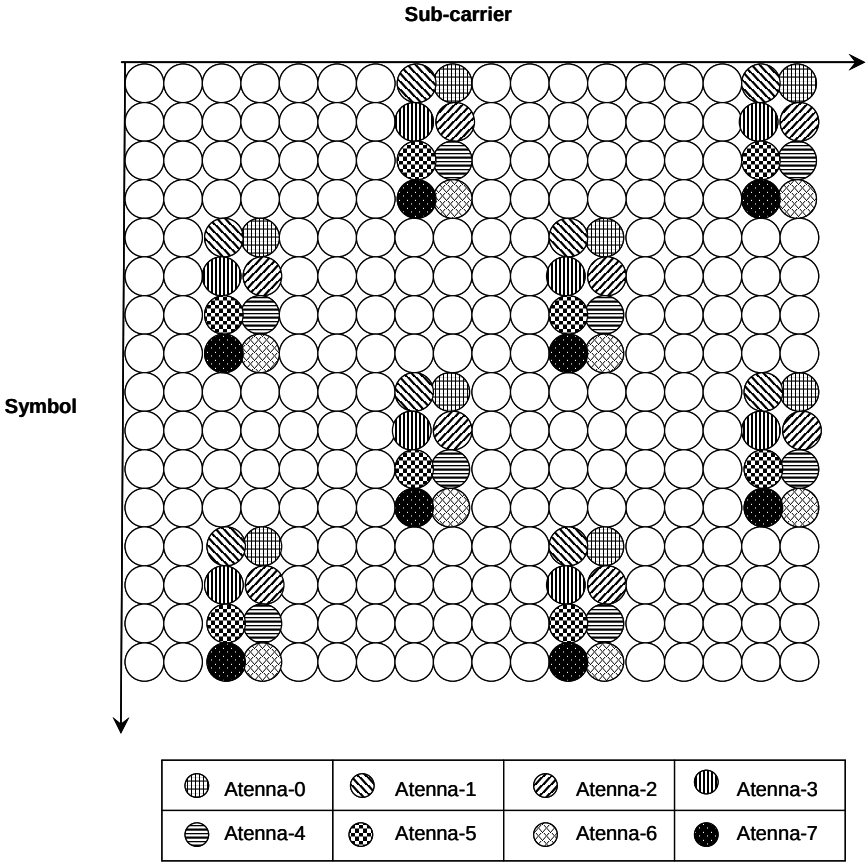
For 8 antenna transmit at BS, the scattered pilot allocation is shown in Figure xxxx, this pilot pattern can be use for 5,6,7 and 8 transmit antennas at BS, for 5 transmit antenna the pilot allocated for antenna 5,6,7 are override by data symbol, for 6 transmit antenna the pilot allocated for antenna 6,7 are override by data symbol, for 7 transmit antenna the pilot allocated for antenna 7 are override by data symbol.



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