Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**4-antenna MIMO pilot allocation for PUSC**
Date Submitted	**2005-01-13**
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Re:	Call for Reply Comments regarding the Maintenance Task Group Comment Report 80216maint-04_09.zip
Abstract	In this contribution, we propose to clarify the 4-antenna MIMO pilot allocation for PUSC
Purpose	The contribution should be considered by Maintenance group within comment resolution procedure
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4-antenna MIMO pilot allocation for PUSC

1 Proposed text change

Modify the following text starting at line 39 on page 588.

---------- *Start Text*----------

~~T~~For For this configuration the basic cluster structure is changed as indicated in Figure 251 to accumudate the transmission from 4 antennas (pilots for antennas 2/3 override data subcarriers ~~in the even symbols, switching and erasing of the data subcarriers shall be performed after constellation mapping, therfore maintaining all the encoding scheme and the subchannel allocation scheme~~).
---------- *End Text*----------

Insert the following section before Figure 251:
---------- *Start Text*----------

The pilot locations in PUSC cluster shall obey the following rule:

PilotsLocation = PUSC_Pilot_Location + 4 . (floor(PUSC_SymbolNumber/2) mod 2)
where PUSC_SymbolNumber counts from 0 at the starting of the relevant STC zone. PUSC_Pilot_Location = 0,1, 8,9 is the frequency offset of the pilot carriers in each cluster.

---------- *End Text*----------

Change Figure 251 in section 8.4.8.2.1

---------- *Start Text*----------

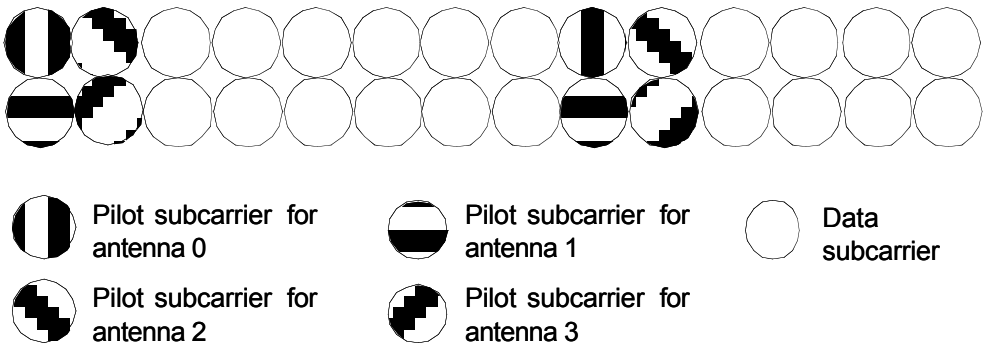

Figure 251 –Cluster Structure

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