IEEE P802.11
Wireless LANs

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| Updated Text for DCM |
| Date: 2016-10-23 |
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Abstract

This submission proposes update for the DCM related texts.

Revisions:

* Rev 0: Initial version of the document.
* Rev1: Correct typos in LDPC tone mapping equation

**Section 26.3.5 Transmitter block diagram (D0.5)**

Discussion: The DCM tone mapper is already done at the constellation mapping block.

Remove the block “DCM Tone Mapper” from the following figures.

**Figure 26-12**

**Figure 26-13**

**Figure 26-14**

**Figure 26-15**

**Figure 26-16**

**Figure 26-17**

**Section 26.3.11.9 Constellation mapping, page 270, line 46-47 (D0.5)**

Discussion: The formula is rewrite based on the unified definition of *N*SD.

Modify the line 46-47 as follows:

When DCM is employed, bit sequences are mapped to a pair symbols  where is in the range of  and is in the range of  in order to exploit frequency diversity for a , and  and is in the range of  dor a RU of .

**Section 26.3.11.11 LDPC tone mapper, page 272, line 31 to page 273, line 10 (D0.5)**

Discussion: The formula is rewrite based on the unified definition of *N*SD.

Modify the page 272, line 31 to page 273, line 10 as follows:



Where

*NSD i*s the number of data tones in the *r*-th RU for DCM=1,



For RU of less or equal to 996 tones,  is



For RU of tones,  is

