IEEE P802.11  
Wireless LANs

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| Comment Resolutions on 1024-QAM TBDs | | | | |
| Date: 2016-07-13 | | | | |
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Abstract

This submission proposes resolutions for the following comments related to TGax D0.1:

* 1782, 2082, 2083

Revisions:

* Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

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| **CID** | **Clause Number** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1782 | 26.3.10.8 | 143, 24 | Where be the constellation map for 1024-QAM? | Add 1024-QAM constellation map | Revised.  Proposed resolution accounts for the suggested change.  TGax Editor to make the changes shown in IEEE 802.11-16/0922r2 |
| 2082 | 26.3.10.8 | 143, 28 | Replace "used" with "defined" | see comment | Revised.  Proposed resolution accounts for the suggested change.  TGax Editor to make the changes shown in IEEE 802.11-16/0922r2 |
| 2083 | 26.3.10.8 | 143, 29 | TBD | Define | Revised.  Proposed resolution accounts for the suggested change.  TGax Editor to make the changes shown in IEEE 802.11-16/0922r2 |

*Changes to D0.2 related to CID 1782, 2082, 2083*

Section 26.3.10.8, page 145, line 57 (D0.2)

Edit the line as follows

1024-QAM modulation is ~~used~~ defined as an optional feature for SU and MU

Section 26.3.10.8, page 145, line 57 (D0.2)

Replace line “For 1024-QAM, the constellation mapping is TBD” with

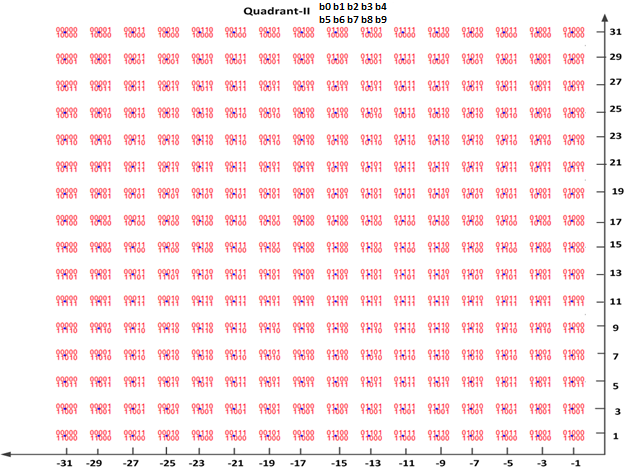
For 1024-QAM modulation, the mapping between the bits at the output of the interleaver and complex constellation points is shown in Figures 26-xx, 26-{xx+1}, 26-{xx+2} and 26-{xx+3}.

The normalization factor *Kmod* for 1024 QAM is  .

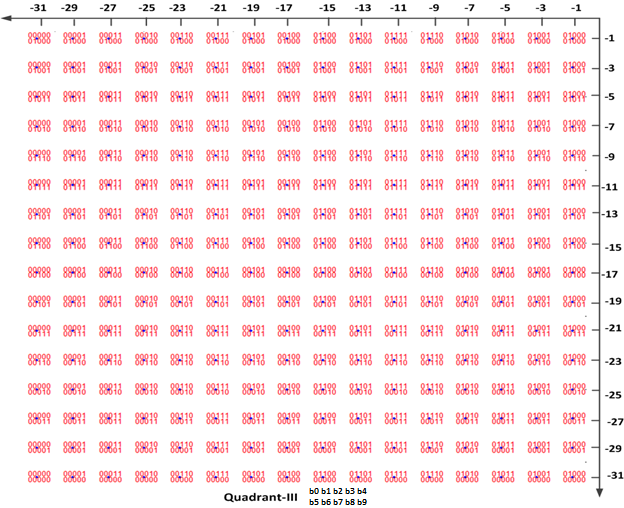
Add the figures below



**Figure 26-xx: Constellation bit encoding for 1024-QAM (1st quadrant)**

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**Figure 26-{xx+1}: Constellation bit encoding for 1024-QAM (2nd quadrant)**

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**Figure 26-{xx+2}: Constellation bit encoding for 1024-QAM (3rd quadrant)**

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**Figure 26-{xx+3}: Constellation bit encoding for 1024-QAM (4th quadrant)**