IEEE P802.11
Wireless LANs

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| Comment Resolution for Section 36.3.14 (Non-HT duplicate transmission) |
| Date: 2021-03-10 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Rui Cao | NXP | 350 Holger Way, San Jose,CA |  | rui.cao\_2@nxp.com |

Abstract

This submission proposes resolutions for comments received on Section 36.3.14 (Non-HT duplicate transmission) in TGbe D0.3. The following is the list of 6 CIDs:

* 1573, 1574, 1575, 1576, 3074, 3118

Revisons:

* r0: initial version
* r1: editorial changes
* r2: fix a typo of CID number of 3074

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1573 | 36.3.14 | 315.01 | Table 36-3 is not defined. Define the Interpretation of FORMAT, NON\_HT\_MODULATION and CH\_BANDWIDTH by considering defined BW. | as in comment. | RevisedThe comment is resolved in PDT document for Clause 36.2.5:<https://mentor.ieee.org/802.11/dcn/21/11-21-0157-00-00be-pdt-effect-of-ch-bandwidth-parameter-on-ppdu-format.docx> |
| 1574 | 36.3.14 | 315.63 | change the color to black and delete the TBD | as in comment. | Accepted |
| 1575 | 36.3.14 | 315.61 | all combinations of puncturing patterns are not supported in 11be.but this sentence seems to mean that Non-HT PPDU can be transmitted with punctured PPDU which is reflected in all combinations of preamble puncturing based on 20MHz subchannel. | add the supported puncturing pattern in this text. | RejectedAgree that not all punctured non-HT dup is supported in 11be. This subclause only describes how to generate non-HT dup transmission based on the TXVECTOR. The description of allowed puncture modes should be described in the corresponding MAC clauses e.g. Clause 9 and 35.  |
| 1576 | 36.3.14 | 316.01 | 242 RU is indicates by using the value "64" in the 9bit RU allocation table. So. change 128 to 64. | as in comment. | Accepted. |
| 3074 | 36.3.14 | 315.60 | This paragraph needs to be updated due to the 11be tone plan which already aligned with 20mHz channel. In addition, what's is value 26 and 128? | as in comment. | RevisedAgreed in principle that 11be defines 242-tone RU within each 20 MHz subchannel. Wording relates to “most closely” are removed. Value 26 and 64 are corresponding values of punctured 242-tone RU and 242-tone RU with single user allocated.11be Editor: please make the changes as in [https://mentor.ieee.org/802.11/dcn/21/11-21-477-01-00be-comment-resolution-for-non-ht-duplicate-transmission](https://mentor.ieee.org/802.11/dcn/21/11-21-477-00-00be-comment-resolution-for-non-ht-duplicate-transmission).docx |
| 3118 | 36.3.14 | 315.24 | In equation (36-84), N20MHz should be replace with sqrt(N20MHz). | as in comment. | Revised.Agree that the scaling factor is incorrect, and Ntx is also missing. Same change is also needed in 11ax D8.0 spec. 11be Editor: please make the changes as in <https://mentor.ieee.org/802.11/dcn/21/11-21-477-01-00be-comment-resolution-for-non-ht-duplicate-transmission.docx> |

*TGbe Editor: Please make the following changes in Clause 36.3.14 of D0.3.*

36.3.14 Non-HT duplicate transmission

In a 320 MHz non-HT duplicate transmission, the Data field shall be as defined by Equation (36-84).

(#3118)

where

 and are defined in 36.3.11.5

 and are defined in 17.3.5.10

 is defined in Equation (21-26)

 is defined in Equation (36-13)

 represents the cyclic shift for transmit chain with a value defined in 36.3.11.2.1 (Cyclic shift for pre-EHT modulated fields)

 has the value given in Table 36-17 (Number of modulated subcarriers and guard interval duration values for pre-EHT PPDU fields)

 is bit of the TXVECTOR parameter INACTIVE\_SUBCHANNELS if present, and is 0 otherwise.

 is, if the TXVECTOR parameter INACTIVE\_SUBCHANNELS is present, equal to the number

of bits with value 0 in the TXVECTOR parameter INACTIVE\_SUBCHANNELS. Otherwise, is equal to .

For each non-HT duplicate PPDU transmission that is a preamble punctured PPDU, each punctured 20 MHz subchannel is indicated as punctured by including the value of 26 (000011010 in binary representation) in the 9 bits of the TXVECTOR parameter RU\_ALLOCATION corresponding to the 242-tone RU aligned with the punctured 20 MHz subchannel. Each 20 MHz subchannel that is not punctured is indicated as such by including the value of 64 (001000000 in binary representation) in the 9 bits of the TXVECTOR parameter RU\_ALLOCATION corresponding to the 242-tone RU aligned with that 20 MHz subchannel. (#1574, #1576, #3073)