IEEE P802.11
Wireless LANs

|  |
| --- |
| D1.0 Comment Resolution for Section 36.3.15 (Non-HT duplicate transmission) |
| Date: 2021-10-17 |
| 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 36.3.15 (Non-HT duplicate transmission) in TGbe D1.0. The suggested changes are based on TGbe D1.2. The following is the list of 7 CIDs:

* 5532, 8141, 4911, 5569, 6903, 4694, 5019

Revisons:

* r0: initial version

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 5532 | 36.3.15 | 506.60 | non-HT duplicate should be non-HT duplicate PPDU. | as in comment. | Accepted |
| 8141 | 36.3.15 | 507.11 | wrong reference. It should be 36.3.12.11.2 (Preamble puncturing for PPDUs in an OFDMA transmission) | as in comment. | RevisedAgree that the existing reference to section 36.3.8 is not appropriate. However, Section 36.2.12.11.2( Preamble puncturing for PPDUs in an OFDMA transmission) only describes preamble puncturing for EHT PPDUs. Non-HT duplicate PPDU is only defined in this section 36.3.15.Suggest to simply remove the reference and add a more complete description of preamble punctured non-HT dup transmission.TGbe Editor: please make the following change as in <https://mentor.ieee.org/802.11/dcn/21/11-21-1693-00-00be-d1-0-comment-resolution-for-non-ht-dup-transmission.docx>  |

*TGbe Editor: Please make the following changes in P606L11 of Section 36.3.15 in D1.2.*

NOTE—For a non-HT duplicate PPDU transmission that is a preamble punctured PPDU, the L-STF, L-LTF, and L-SIG fields are not transmitted in each punctured 20 MHz subchannel. (#8141)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 4911 | 36.3.15 | 507.17 | The reference is wrong, correct it | As in comment | RejectedEquation (27-123) is the corresponding equation for non-HT dup data field in IEEE std 802.11ax-2021. |
| 5569 | 36.3.15 | 507.41 | N20MHz is defined in 36.3.12.3 L-STF. | Modify the text as follow:N20MHz and Kshift(i) are defined in 36.3.12.5 (L-SIG) 36.3.12.3 (L-STF). | RevisedDefinition of both N20MHz and Kshift(i) are included in 36.3.12.3 (L-STF).TGbe Editor: please change the reference in P606L41 in D1.2 from 36.3.12.5 (L-SIG) to 36.3.12.3 (L-STF) |
| 6903 | 36.3.15 | 507.41 | wrong reference for definition of N\_20MHz | N\_20MHz is defined in 36.3.12.3 (L-STF) | RevisedThe same comment as CID5569. No further changes are needed. |
| 4694 | 36.3.15 | 507.45 | The Equation number "(36-13)" is not correct. | change the equation number to "(36-12)" or "(36-13) or (36-14)" | Revised.Agree that the reference equation number is incorrect. TGbe Editor: please change the reference equation number in P606L46 of D1.2 from (36-13) to (36-12). |
| 5019 | 36.3.15 | 507.62 | For non-HT duplicate PPDU, the TXVECTOR parameter RU\_ALLOCATION is redundant since the TXVECTOR parameter INACTIVE\_SUBCHANNELS is sufficient to indicate punctured 20MHz channels. | Delete the last sentence and do not define TXVECTOR parameter RU\_ALLOCATION for non-HT duplicate PPDU. | RevisedIn TXVECTOR, the RU\_ALLOCATION field for NON\_HT DUP has been changed to optional as in 11-21/1302r2 to resolve CIDs 4982 and 7652. Make corresponding changes to align with the TXVECTOR.TGbe Editor: please the following changes in <https://mentor.ieee.org/802.11/dcn/21/11-21-1693-00-00be-d1-0-comment-resolution-for-non-ht-dup-transmission.docx>  |

*TGbe Editor: Please make the following changes in P606L61 of Section 36.3.15 in D1.2.*

For a non-HT duplicate PPDU transmission that is a preamble punctured PPDU, each punctured 20 MHz subchannel is indicated as punctured by the value of 1 in the corresponding bit of the TXVECTOR parameter INACTIVE\_SUBCHANNELS. The TXVECTOR parameter RU\_ALLOCATION may also indicate the 20 MHz subchannel puncturing information by including the value of 26 (000011010 in binary representation) in the 9 bits of 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. (#5019)