IEEE 802.11
Wireless LANs

|  |
| --- |
| LB266 CR for CID13941, 13942, 13943 |
| Date: 2022.11.08 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Yanyi Ding | Panasonic |  |  | yanyi.ding@sg.panasonic.com |
| Rojan Chitrakar |  |  |  |
| Rajat Pushkarna |  |  |  |
| Wenfei Liang |  |  |  |

Abstract

This submission proposes resolutions of comments received from TGbe comment collection LB266 (TGbe D2.2):

* CIDs: 13941, 13942, 13943

Revisions:

* R0: Initial version of the document.
* R1: update DCN for discussion contribution

# Introduction

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 TGbe Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID  | Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 13941 | 489.29 | 35.5.2.4 | In 26.5.2.5 UL MU CS mechanism, it is regulated that in a TB UL MU transmission, if CS requirement is indicated, ED-based CCA shall be performed by STAs on 20MHz subchannels overlapping the allocated RU/MRU. If any of the 20MHz subchannels is detected as busy, STA does not transmit TB PPDU at the allocated RU/MRU. Large-size RU/MRU is wasted even if a small number of 20MHz subchannels is detected as busy. (Refer to 20/1886r1 for more details.) | STAs should be enabled to adapt allocated RU/MRU according to ED-based CCA results. Commenter will bring a contribution. | **Rejected.**Because PHY change is required in the proposed change, the group discussed and ran SPs in PHY conference call regarding whether TGbe would support STAs to adapt allocated RU/MRU or not and decided not to. (22/1741r1)The SP is shown here: " Do you agree that 11be should support RU adaptation procedure (Non-AP STAs may puncture allocated RU/MRU for EHT TB PPDU according to ED-based CCA results when it is not MU-MIMO transmission)?" and the result in PHY was 11Y, 24N, 3A.  |
| 13942 | 143.12 | 9.3.1.22 | It is regulated that in a TB UL MU transmission, if CS requirement is indicated in the Trigger frame, ED-based CCA shall be performed by STAs on 20MHz subchannels overlapping the allocated RU/MRU. If any of the 20MHz subchannels is detected as busy, STA does not transmit TB PPDU at the allocated RU/MRU. Large-size RU/MRU is wasted even if a small number of 20MHz subchannels is detected as busy. (Refer to 20/1886r1 for more details.) | STAs should be enabled to adapt allocated RU/MRU according to ED-based CCA results in a TB UL PPDU. Commenter will bring a contribution. | **Rejected.**Because PHY change is required in the proposed change, the group discussed and ran SPs in PHY conference call regarding whether TGbe would support STAs to adapt allocated RU/MRU or not and decided not to. (22/1741r1)The SP is shown here: " Do you agree that 11be should support RU adaptation procedure (Non-AP STAs may puncture allocated RU/MRU for EHT TB PPDU according to ED-based CCA results when it is not MU-MIMO transmission)?" and the result in PHY was 11Y, 24N, 3A.  |
| 13942 | 228.46 | 9.4.2.313 | It is regulated that in a TB UL MU transmission, if CS requirement is indicated, ED-based CCA shall be performed by STAs on 20MHz subchannels overlapping the allocated RU/MRU. If any of the 20MHz subchannels is detected as busy, STA does not transmit TB PPDU at the allocated RU/MRU. Large-size RU/MRU is wasted even if a small number of 20MHz subchannels is detected as busy. (Refer to 20/1886r1 for more details.) | STAs should be enabled to adapt allocated RU/MRU according to ED-based CCA results and to indicate whether it supports the adaptation. Commenter will bring a contribution. | **Rejected.**Because PHY change is required in the proposed change, the group discussed and ran SPs in PHY conference call regarding whether TGbe would support STAs to adapt allocated RU/MRU or not and decided not to. (22/1741r1)The SP is shown here: " Do you agree that 11be should support RU adaptation procedure (Non-AP STAs may puncture allocated RU/MRU for EHT TB PPDU according to ED-based CCA results when it is not MU-MIMO transmission)?" and the result in PHY was 11Y, 24N, 3A.  |

**Discussion:**

**Propose:**