IEEE P802.11
Wireless LANs

|  |
| --- |
| LB244 CR MAC Miscellaneous |
| Date: 2019-11-09 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yongho Seok | MediaTek Inc. | 2840 Junction Ave, San Jose, CA 95134 |  | yongho.seok@mediatek.com  |
| Kaiying Lu  | MediaTek Inc. |  |  |  |
| Chao-Chun Wang | MediaTek Inc. |  |  |  |
| James Yee  | MediaTek Inc. |  |  |  |

Abstract

This submission proposes resolutions of comments received from TGax LB244.

(The proposed change is based on TGax Draft 5.0.)

* CIDs: 22087, 22120, 22178, 22265, 22357 (5 CIDs)

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.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 22087 | 162.00 | 9.4.2.67.8 | BSS Color In Use can also be reported y an AP (AP1) to its associated STAs, i.e. in order to avoid the collision with AP's co-located STA Tx/Ex with its AP (AP2). | As in comment | Rejected- After receiving the BSS color in use event report from the AP1, if the AP2 wants more reliable transmission (avoiding the collision caused by the SR transmission from the associated STAs of the AP1) to the AP1, the AP2 may use the RTS/CTS protocol. And, if the AP1 disallows all SR transmissions on the BSS color associated with the AP2, the performance can be degraded.  |
| 22120 | 298.04 | 11.22.2.8 | The BSS color in Use should also be applied to STA's co-located AP | Change the text per the comment. | Rejected- After receiving the BSS color in use event report from the AP1, if the AP2 wants more reliable transmission (avoiding the collision caused by the SR transmission from the associated STAs of the AP1) to the AP1, the AP2 may use the RTS/CTS protocol. And, if the AP1 disallows all SR transmissions on the BSS color associated with the AP2, the performance can be degraded.  |
| 22178 | 365.19 | 26.5.9 | "An non-AP HE STA may include the UL MU Power Capabilities element in an (Re)Association Requestframe in order to inform an HE AP of the relative maximum transmit power that the non-AP HE STA iscapable of transmitting an HE TB PPDU for each HE-MCS in the current operating channel width whenusing an RU size greater than or equal to 242 subcarriers." is duplicative of Table 9-36--Association Request frame body / Table 9-38--Reassociation Request frame body | Change "include the UL MU Power Capabilities element in an (Re)Association Requestframe in order to inform" to "use an UL MU Power Capabilities element to inform" | Accepted |
| 22265 | 215.20 | 9.4.2.262 | "The UL MU Power Capabilities element indicates the relative maximum transmitpower that a STA is capable of transmitting an HE TB PPDU for each HE-MCS in the operating channelwidth" -- but this doesn't work, because the operating channel width can change (and there's no mechanism for the element to be updated, since it's only included in the (re)assoc req) | Delete " in the operating channel width" from the cited text. In 26.5.9 delete "in the current operating channel width " | Rejected- Even though the operating channel width is changed (e.g., 80MHz to 20 MHz), it is not necessary to update the relative maximum transmit power. “in the operating channel width” means that this the relative maximum transmit power is valid only within the current operating channel.So, it does not represent the power beyond the current operating channel. |
| 22357 | 459.26 | 26.17.4 | CID 20466. Equation (26-8) can result in a negative first operand to the mod operator, which is not clear. This was rejected on the basis that 1.4 defines the behaviour, but the point of the comment was to add a xref for this | At the end of 26.17.4 AID assignment add a "NOTE---See 1.5 for the behaviour of the mod operator with a negative first operand." | Accepted |