IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Some SAB1 CR v3 | | | | |
| Date: 2022-01-21 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Assaf Kasher | Qualcomm |  |  | akasher@qti.qualcomm.com |
|  |  |  |  |  |

Abstract

This document proposes resolution to the following SAB1 CIDs: 7114, 7119, 7120, 7121, 7122, 7351, 7213, 7214, 7083, 7130, 7162, 7170, 7177.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7114 | 239.11 | 11 | 27.3.18a.2 | "Frequency domain rectangular window" is not defined. | Delete ", instead of the frequency domain rectangular window" | Accept |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7119 | 238.08 | 8 | 27.3.18a.1 | Not clear what "different for HE-LTF repetitions" means. | Change "different for HE-LTF repetitions" to "different for each HE-LTF repetition" | Accept |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7120 | 238.10 | 10 | 27.3.18a.1 | Repetitive NOTE. This is the same NOTE as the one at P237L36. | Delete the NOTE at P238L10-12 | Accept |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7121 | 238.13 | 13 | 27.3.18a.1 | "maximum of 64 Secure HE-LTF" Does this mean that the maximum number of repetition is 64? Or, does it mean that the total number of HE-LTF symbols is 64? (e.g. if N\_STS=4, then the maximum repetition is 16). | Clarify what "maximum 64 Secure HE-LTF" means. | TGbf Editor: replace “Maximum 64 Secure HE-LTFs” with “Maximum 64 Secure HE-LTFs over all spatial streams”. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7122 | 238.17 | 17 | 27.3.18a.1 | What does a "segment" mean? | Define "segment". | TGbf Editor:in p238:20 replace “in each user’s HE-LTF segment and may vary from one segment to the other due to N\_STS change” with “in HE-LTFs directed to each user and may vary from HE-LTFs directed to one user to those directed to another. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7351 | 238.17 | 17 | 27.3.18a.1 | "In the pre- 18 HE modulated fields, the number of Tx antennas used shall be no less than the minimum number 19 of Tx antennas used in the HE modulated fields." -didn't we want the maximum? | Clarify if max or min? | ? |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7213 | 239.06 | 6 | 27.3.18a.2 | Should clarify that pre-HE modulated fields of PPDU in HE Ranging NDP are the same as the pre-HE modulated fields in a HE SU PPDU | Add bullet point before line 6, saying "pre-HE modulated fields in HE Ranging NDP is the same as the pre-modulated fields in a HE SU PPDU" | Reject, the first two bullets in P239 imply that. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7214 | 239.06 | 6 | 27.3.18a.2 | For the HE Ranging NDP, the bits that are assigned in the L-SIG and HE-SIG-A should be the same as the bits assign for an HE SU PPDU, unless otherwise specified this section | Add bullet point before line 6, saying "Bit assignments for L-SIG and HE-SIG-A should be the same as the bit assignments for an HE SU PPDU, unless otherwise specified" | Accept |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7083 | 239.24 | 24 | 27.3.18a.2 | For 2xHE-LTF + 1.6 us GI, there are two types of MU-MIMO HE-LTF modes allowed in general - the HE single stream pilot HE-LTF mode and the HE masked HE-LTF sequence mode. There is no need for the HE Ranging TB NDP to support both modes. | State that only the HE single stream pilot HE-LTF mode is allowed. | TGbf Editor: Add a new bullet after P244L27   * Only HE single stream HE-LTF mode is allowed. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7130 | 240.17 | 17 | 27.3.18a.2 | Baseline IEEE 802.11 standard (e.g. REVme D0.4) does not use the term "2x LTF". | Change "2x LTF" to "2x HE-LTF" at P240L17 P240L18 P240L21 P241L11 P241L12 P241L15 P242L15 P242L16 P242L19 P244L2 | Accept  (The baseline for this case is IEEE Std 802.11ax) but the statement holds. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7162 | 68.11 | 9.4.2.167 | "RSTA to ISTA angle" should be "ISTA to RSTA" as otherwise it is the same as the paragraph above. The intention is that it is a transmission from the ISTA to the RSTA | replace "RSTA to ISTA" with "ISTA to RSTA" | Accept |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7170 | 101.15 | 9.6.7.33 | It is not clear what is meant by "Ranging response". The usages of the Channel Measurement feedback are described in the earlier parts of the sentence | Remove the text "or as part of Ranging response" | Accept |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7177 | 256.11 | 28.9.3.6 | "-π/2" - I believe that this should be "π/2" | delete the "-" before the "π" |  |

**References:**