IEEE P802.11  
Wireless LANs

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| LB266 CR on LTF Part1 | | | | |
| Date: 2022.11 | | | | |
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Abstract

This submission proposes resolutions of comments received from TGbe comment collection LB266 based on TGbe D2.0.

11237 12023 12466 12535 11290 12517 11238 11222 11223 (9CIDs)

Revision Notes

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| R0 | Initial revision |

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 11237 | 36.3.12.10 | 695.60 | "In an EHT MU PPDU,NEHT-LTF is indicated in the EHT-SIG field. In an OFDMA EHT MU PPDU, N EHT-LTF may take a value that is greater than or equal to the maximum value of the initial number of EHT-LTF symbols for each RU or MRU..." Unlike the paragraph above about the sounding NDP, here it is only mentioned that the number of LTF may be larger than the initial number without any further description. Similarly the following paragraph about EHT TB PPDU is written in the same way. Is there a maximum number of extra LTF than can be transmitted? If so, I think the information should be inclucded somewhere similar to the paragraph about sounding NDP | Add information about maximum number of extra LTFs allowed | Rejected  The rules about extra LTFs have been discribled in 695.49-695.57 |
| 12023 | 36.3.12.10 | 695.60 | Delete the duplicate sentence "In an EHT MU PPDU, N\_{EHT-LTF} is indicated in the EHT-SIG field". It is already stated in the paragraph on P695L24. | As in comment. | Rejected  One is for non-OFDMA EHT MU PPDU or  EHT sounding NDP, the other is for OFDMA EHT MU PPDU |
| 12466 | 36.3.12.10 | 695.53 | Allowing more LTFs than number of spatial streams (NSS), apart from improving channel estimation, enables the estimation of spatial covariance matrices from interference channels or spatially correlated noise, that can be suppressed via MIMO processing. The excess number of LTFs would affect the rank of the spatial covariance matrices estimated. Thus, a mechanism to signal the excess number of LTFs with respect to NSS would be beneficial. | Add mechanism for the receiver STA to be able to adjust the excess number of LTFs used by the transmitter STA. | Rejected  The group have not reach consensus on that |
| 12535 | 36.3.12.10 | 695.55 | Usually we use curly braces { } for set expressions not brackets []. | Change the brackets in "the set [2 4 8]" to "the set {2,4,8}" | Accepted |
| 11290 | 36.3.12.10 | 696.38 | " NOTE—1× EHT-LTF and 1.6 μs GI only for UL non-OFDMA transmission for two or more users. ". Sentence is missing a verb. | "are only allowed/intended/... for ..."? | Revised  TGbe editor:  Please change the line on 696.38 to”NOTE—1× EHT-LTF and 1.6 μs GI are only allowed for UL non-OFDMA transmission for two or more users”. |
| 12517 | 36.3.12.10 | 696.38 | "Table 36-44--EHT-LTF type and GI duration combinations for various EHT PPDU formats" and "NOTE--1Ã EHT-LTF and 1.6 Âµs GI only for UL non-OFDMA transmission for two or more users."- Here 1xLTF 1.6 us is written as 'M' in the table but it should be 'CM' because note and Table is not matching. Also the footnote is not very clear | Please provide more clarity on the footnotes similar to Draft 11ax 8.0 Table 27-31 Page 619 line number 35 sub clause number 27.3.11.10 and please correct the entry corresponding to 1xLTF 1.6 us as CM | Rejected  The limit is on the recommend use senerio instand of the condition. |
| 11238 | 36.3.12.10 | 700.06 | "The mapping of the non-OFDMA puncturing pattern signaled in the U-SIG field the corresponding large size MRU is defined in Table 36-30" missing "to" between "puncturing pattern signaled in the U-SIG field" and "the corresponding large size MRU" | Add "to" | Accepted |
| 11222 | 36.3.12.10 | 752.61 | In an EHT MU PPDU, N\_EHT-LTF is indicated in the EHT-SIG field. | Exact sentence is repeated in line 24, remove | Rejected  The page and line number is not correct |
| 11223 | 36.3.12.10 | 758.45 | Equation 36-44 | It is better to use the "per-RU normalization factor" with notation beta\_r similar to that defined in equation 36-35 for EHT-STF in equation 36-44 for EHT-LTF as well, instead of directly placing the normalization terms inside the equation which makes it more cluttered and is not as informative | Rejected  The page and equation number is not correct |

**Discussion**

