IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | TBDs in 36.4 | | | | | | Date: 2021-04-26 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm |  |  | youhank@qti.qualcomm.com | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes text updates on P802.11be D0.4 to resolve TBDs in subclause 36.4.

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

R1: Typo fixes – Removed HE SU from text. Also, fixed reference 10.13.2 to 10.12.2.

**Discussion**

On D0.4 P470, the Editor has written:

|  |
| --- |
|  |

Note that Table 36-45 is

|  |
| --- |
|  |

And Table 36-46 is

|  |
| --- |
|  |

The Editor probably mean that Table 36-46 should also be referenced for *NSD,short*, which is correct.

**Proposed Text Update**

*Instruction to Editor: Update subclause 36.4 in D0.4 as shown below.*

36.4 EHT PLME

36.4.1 PLME\_SAP sublayer management primitives

…

|  |  |  |
| --- | --- | --- |
| * EHT PHY MIB attributes | | |
| Managed object | Default value/range | Operational semantics |
| … | | |
| **dot11PHYEHTTable** | | |
| dot11EHTCurrentChannelWidthSet | Implementation dependent | Dynamic |
| dot11EHTSupportFor242ToneRUInBWWiderThan20Implemented | false/Boolean | Static |
|  | | |
|  |  |  |

36.4.2 PHY MIB

…

36.4.3 TXTIME and PSDU\_LENGTH calculation

…

For an EHT TB PPDU, the value of the PSDU\_LENGTH parameter for user *u* returned in the RXVECTOR is calculated using Equation (36-110).





where

…





where

 is given by Equation (36-113).

 is  defined in Table 36-45 (NSD,short values for EHT-MCS values from 0 to 13 and 15) for user *u*.

…

For an EHT MU PPDU, the value of the RXVECTOR parameter PSDU\_LENGTH returned for user *u* is calculated using Equation (36-114).





where

…





where

 is given by Equation (36-117).

 is  defined in Table 36-45 and Table 36-46 for user *u*.

…

36.4.4 EHT PHY

…

|  |  |
| --- | --- |
| * EHT PHY characteristics | |
| Characteristics | Value |
| aPSDUMaxLength | 15,484,000 bytes |
| aRxPHYStartDelay | 32 + 4 × NEHT-SIG µs for EHT MU PPDUs.  32 µs for EHT TB PPDUs. |
| NOTE – This is the maximum length in octets for a single user transmission using the EHT MU PPDU with the PPDU Type And Compression Mode field in the U-SIG equal to 1, with a bandwidth of 320 MHz, EHT-MCS 13, 8 spatial streams, 0.8 usec GI duration, 2x EHT-LTF, PE field with 0 µs duration, pre-FEC padding factor value of 4, and 395 Data field OFDM symbols. 395 is the maximum number of Data field OFDM symbols that fits within the aPPDUMaxTime of 5.484 ms (see Table 27-54) in this case. This is the maximum PSDU length an EHT PHY could support assuming no restrictions in MAC. See 10.12.2 and 9.2.4.7.1 for additional restrictions on the maximum number of octets the MAC could support. | |

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