802.11ba Draft Specification

|  |
| --- |
| Proposed Spec Text for table 32-1 WUR\_TXVECTOR and WUR\_RXVECTOR parameters |
| Date: 2018-07-09 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Dongguk Lim | LG Electronics | 19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea |  | dongguk.lim@lge.com |
| Eunsung Park | LG Electronics |  |  | esung.park@lge.com  |
| Jinsoo Choi | LE Electronics |  |  | js.choi@lge.com |

Abstract

This submission proposes the spec text to be incorporated in IEEE802.11ba D1.0 related to the following table 32-1 WUR\_TXVECTOR and WUR\_RXVECTOR parameters

Revision History:

* Rev 0: Initial version of the document

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

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

Discussion :

The table 32-1 TXVECTOR/RXVECTOR should be modified to reflect the decision of the last meeting.

And since the channel information such as channel index and the center frequency may be transmitted by using the primary radio, the center frequency parameter included in TXVECTOR/RXVECTOR table does not need to be described in this table.

**TGba Editor: *Instruction: modifity the below table 32-1 WUR\_TXVECTOR and WUR\_RXVECTROR parameters as the following:***

|  |
| --- |
| * WUR\_TXVECTOR and WUR\_RXVECTOR parameters
 |
| **Parameter** | **Condition** | **Value** | **WUR\_TXVECTOR** | **WUR\_RXVECTOR** |
| FORMAT |  | Determines the format of the PPDU.Enumerated type:WUR indicate WUR PPDU format | Y | Y |
| L\_LENGTH | FORMAT is WUR | ~~Indicates the length of the PSDU in octets in the range of 1 to TBD. This value is used by the PHY to determine the number of octet transfers that occur between the MAC and the PHY.~~Not presentNote – the length field of the L-SIG in WUR PPDU is defined in equation (32-7) using the TXTIME value defined by Equation (32-4).  | ~~Y~~N | N |
| Otherwise | ~~TBD~~See corresponding entry in Table 19-1 (TXVECTOR and RXVECTOR parameters) or Table 21-1 (TXVECTOR and RXVECTOR parameters). |  |  |
| L\_DATARATE | FORMAT is WUR | ~~Indicates the value representing 6 Mb/s in the 20 MHz channel~~ Not present NOTE – the rate field in the L-SIG field in WUR PPDU is set to value representing 6Mb/s in the 20MHz channel spacing column of table 17-6 ( Contents of the Signal field) | ~~Y~~N | N |
| Otherwise | ~~TBD~~See the corresponding entry in table 19-1  |
| ~~CHANNEL\_CENTER\_FREQUENCY~~ | ~~FORMAT is WUR~~ | ~~TBD~~ | ~~Y~~ | ~~N~~ |
| ~~Otherwise~~ | ~~TBD~~ |  |  |
| CHANNEL\_ BANDWIDTH | FORMAT is WUR | ~~TBD~~Indicates whether the packet is transmitted using 20MHz or 40MHz or 80MHz channel width. Enumerated type WUR\_CBW\_20 for 20MHz WUR\_CBW\_40 for 40MHz WUR\_CBW\_80 for 80MHz WUR\_CBW\_PUNC80-PRI for preamble pucturing in 80MHz, where in the preamble only the secondary 20MHz is puncturedWUR\_CBW\_PUNC80-SEC for preamble pucturing in 80MHz, where in the preamble only one of the two 20MHz sub-channel in secondary 40MHz is punctured | Y | ~~Y~~N |
| Otherwise | ~~TBD~~See the corresponding entry in table 19-1  | ~~N~~ | ~~N~~ |
| WUR\_DATARATE | FORMAT is WUR | Determines the transmission ~~bandwidth~~ rate of the WUR PPDU.Enumerated type:LDR indicates WUR Low Data Rate for the data rate 62.5 kb/sHDR indicates WUR High Data Rate for the data rate 250 kb/s | Y | Y |
| Otherwise | ~~TBD~~Not present  | N | N |
| RSSI | FORMAT is WUR | ~~TBD~~The allowed values for the RSSI parameter are in the range 0 to RSSI maximum. This parameter is a measure by the PHY of the power observed at the antennas used to receive the current WUR PPDU. RSSI shall be measured during the reception of the WUR-Sync. RSSI is intended to be used in a relative manner, and it is a monotonically increasing function of the received power.  | N | Y |
| Otherwise | ~~TBD~~See the corresponding entry in table 19-1  | ~~N~~ | ~~Y~~ |