IEEE P802.11  
Wireless LANs

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| Proposed Spec Text for 32.2.4.7 | | | | |
| Date: 2018-07-09 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Eunsung Park | LG Electronics | 19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea |  | esung.park@lge.com |
| Dongguk Lim |  | [dongguk.lim@lge.com](mailto:dongguk.lim@lge.com) |
| Jinsoo Choi |  | js.choi@lge.com |

Abstract

This submission proposes spec text for 32.2.4.7 (Construction of the WUR-Sync) to be added into D1.0 of 802.11ba

Revisions:

* Rev 0: Initial version of the document.

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 TGba Draft. This introduction is not part of the adopted material.

***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 existing 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.***

**TGba Editor: *Please modify the title of section 32.2.4.7 and add the following text into section 32.2.4.7 of 11ba draft 1.0:***

32.2.4.7 Construction of the WUR-Sync for a single 20MHz channel

Construct the WUR-Sync filed for a single 20MHz channel defined in 32.2.8.3 (WUR SYNC field) as follows:

1. Set the WUR\_DATARATE from the WUR\_TXVECTOR.
2. Sync-bit sequence generation: Generate the Sync-bit sequence according to the WUR\_DATARATE as described in 32.2.8.3 (WUR SYNC field).
3. Waveform generation: Generate the MC-OOK waveform by using either On-WG or Off-WG according to the Sync-bit. Sync-bit duration, *TSync* is 2 µs.
4. CSD: Apply the CSD for each transmit chain.
5. Windowing: Apply windowing.
6. Analog and RF: Upconvert the resulting complex baseband waveform associated with each transmit chain to an RF signal according to the center frequency of the desired channel and transmit.