IEEE P802.11
Wireless LANs

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| Proposed Spec Text for 32.2.3.1 and 32.2.3.2 |
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Abstract

This submission proposes spec text for 32.2.3.1 (WUR-PPDU waveform generation for Sync field and high rate Data field) and 32.2.3.2 (WUR-PPDU waveform generation for low rate Data field) 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 add the following text and figure into section 32.2.3.1 of 11ba draft 1.0:***

32.2.3 Transmitter block diagram

32.2.3.1 WUR-PPDU waveform generation for Sync field and high rate Data field



Figure 32-a An Example of an On-WG for the Sync and high rate Data fields

For a single 20MHz WUR channel, an example of an On-WG for the Sync and high rate Data fields is shown in Figure 32-a (An Example of an On-WG for the Sync and high rate Data fields). A sequence with a length of 7 is generated and mapped to every other subcarrier in contiguous thirteen subcarriers with subcarrier indices from -6 to 6. Then, 64-point IDFT is applied and the first 1.6 µs portion is selected from the IDFT output. Finally, 0.4 µs GI is prepended. See 32.2.4.6 (MC-OOK On and Off Waveform Generators) for details.

**TGba Editor: *Please add the following text and figure into section 32.2.3.3 of 11ba draft 1.0:***

32.2.3.2 WUR-PPDU waveform generation for low rate Data field



Figure 32-b An Example of an On-WG for the low rate Data field

For a single 20MHz WUR channel, an example of an On-WG for the low rate Data field is shown in Figure 32-b (An Example of an On-WG for the low rate Data field). A sequence with a length of 13 is generated and mapped to contiguous thirteen subcarriers with subcarrier indices from -6 to 6. Then, 64-point IDFT is applied and finally, 0.8 µs GI is prepended to the IDFT output. See 32.2.4.6 (MC-OOK On and Off Waveform Generators) for details.