IEEE P802.11
Wireless LANs

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| LB281 Comment Resolution CSI Feedback |
| Date: 2024-03-12 |
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Abstract

This submission proposes to add the 20MHz Sensing Transmitter Only capability indication, changes are relative to Draft P802.11bf D4.0.

Revisions:

1. Add document link in resolution boxes and edits based on feedback to add clause 11 text for 20 MHz bandwidth.
2. Add 11be 20 MHz-only example for discussion
3. Made changes after discussion, remove CID resolutions and discussion

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

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

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

**The text preceded by “Discussion” is not part of the adopted changes.**

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
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1. ***TGbf Editor: Change Figure 9-1072bj —Sensing field format (p.77 in 11bf D4.0):***

Rename “Reserved” field to “20MHz Sensing Transmitter Only”

1. ***TGbf Editor: Add following paragraph at end of subclause 9.4.2.321*** ***Sensing Capabilities element (p.79, l.3 in 11bf D4.0):***

The 20MHz Sensing Transmitter Only field is set to 1 by a non-AP STA to indicate that it only supports the sensing transmitter role in a 20 MHz bandwidth, not the sensing receiver role nor any larger bandwidth. For an AP the 20MHz Sensing Transmitter Only field is reserved.

1. ***TGbf Editor: Add following paragraph to subclause 11.55.1.3 Sensing capabilities exchange (p.140, l.31 in 11bf D4.0):***
2. A non-AP STA that has set the the 20MHz Sensing Transmitter Only field in the Sensing Capabilities element to 1, shall set the BW field in the Sensing Capabilities element to 0.
3. ***TGbf Editor: Add following paragraph to subclause 11.55.1.4.1 General (p.142, l.6 in 11bf D4.0):***

If a sensing responder has set the 20MHz Sensing Transmitter Only subfield in the Sensing Capabilities element to 1, then the sensing initiator shall assign the sensing responder to a sensing transmitter role only.