IEEE P802.11
Wireless LANs

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| LB202 CID3296 BW support |
| Date: 2014-07-03 |
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Abstract

This document proposes a resolution for CID 3296 of LB202, the comment on TGm Draft 3.0 suggesting the modification of the description of BW support.

**REVISION NOTES:**

R0: initial

R1: remove RTS changes

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

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

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

**CID LIST:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 3296 | Matthew Fischer | 1029.47 | 8.4.2.157.2 | The universally complete set of architectures of 80+80 receivers does not imply support for 160 MHz operation as is already suggeted by the current definitions of the values for 1 and 2. I.e. support for 160 does not imply support for 80+80 and similarly, support for 80+80 does not imply support for 160. I.e. the case for 80+80 only support is missing. Same comment for TVHT (see 8.4.2.170) | Change "The value of 3 is reserved" to "Set to 3 if the STA supports 80+80 MHz mode and not 160 MHz" Change "Set to 1 if the STA supports 160 MHz" to "Set to 1 if the STA supports 160 MHz and not 80+80 MHz" - similar request for change to TVHT equivalent structures. | Revise - generally agree with commenter, TGmc editor to execute proposed changes from 11-14-0954r1 found under all headings which include CID3296 |

**Discussion:**

Description of BW support is not clear.

**Proposed changes**

**CID 3296**

***TGmc editor: modify one row of Table 8-250 Subfields of the VHT Capabilities Info field within subclause 8.4.2.157.2 VHT Capabilities Info field as shown:***

**Table 8-250—Subfields of the VHT Capabilities Info field**

|  |  |  |
| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| Supported Channel Width Set | Indicates the channel widths supported by the STA. See 10.40 (VHT BSS operation). | Set to 0 if the STA does not support either 160 or 80+80 MHz.Set to 1 if the STA supports 160 MHz and not non-contiguous 80+80 MHz Set to 2 if the STA supports 160 MHz and 80+80 MHz.The value 3 is reserved.For a TVHT STA, set the value of B2 to 1 if it supports TVHT\_MODE\_2C.For a TVHT STA, set the value of B3 to 1 if it supports TVHT\_MODE\_2N. |

***TGmc editor: modify one row of Table 8-252 VHT Operation Information subfields of the VHT Operation element within subclause 8.4.2.158 VHT Operation element as shown:***

**Table 8-252—VHT Operation Information subfields**

|  |  |  |
| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| Channel Width | This field, together with the HT Operation element STA Channel Width field, defines the BSS operating channel width (See 10.40.1 (Basic VHT BSS functionality)). | Set to 0 for 20 MHz or 40 MHz operating channel width.Set to 1 for 80 MHz operating channel width.Set to 2 for 160 MHz and not non-contiguous 80+80 MHz operating channel width.Set to 3 for 80+80 MHz and 160 MHz operating channel width.Values in the range 4 to 255 are reserved. |

***TGmc editor: modify one row of Table 8-258 TVHT Operation Information subfields within subclause 8.4.2.170 TVHT Operation element as shown:***

**8.4.2.170 TVHT Operation element**

**Table 8-258—TVHT Operation Information subfields**

|  |  |  |
| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| Channel Width | This field defines the BSS operating channel width (see 10.43 (Basic TVHT BSS functionality)). | Set to 0 for TVHT\_W operating channel width.Set to 1 for TVHT\_2W and not non-contiguous TVHT\_W+W operating channel width.Set to 2 for TVHT\_W+W and TVHT\_2W operating channel width.Set to 3 for TVHT\_4W and not non-contiguous TVHT\_2W+2W operating channel width.Set to 4 for TVHT\_2W+2W and TVHT\_4W operating channel width.Values in the range 5 to 255 are reserved. |

**References:**