IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CID 22413, 22414 | | | | | | Date: 2019-11-11 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm |  |  | youhank@qti.qualcomm.com | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for the following comments from the LB244 on P802.11ax D5.0:

22413, 22414

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

# CID 22413

|  |  |  |  |  |
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| **CID** | **Page.Line** | **Clause** | **Comment** | **Proposed Change** |
| 22413 |  |  | CID 21012. The contradiction identified in this comment is not addressed by the resolution | State that a full-width transmission is an RU, and then simplify things like "HE-MCSs for 242-tone RU and non-OFDMA 20 MHz, NSS = 1" to "HE-MCSs for 242-tone RU, NSS = 1" |

**Background**

Following is CID 21012 from LB238:

|  |  |  |  |  |  |
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| **CID** | **Page.Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 21012 |  |  | Re CID 16192: examples of the contradiction are 667.9 "HE-MCSs for 242-tone RU and non-OFDMA 20 MHz", which implies a full-bandwidth 20M transmission is not an RU and 322.19 "an RU that is narrower than the PPDU bandwidth", which implies a full-bandwidth transmission is an RU | State that a full-width transmission is an RU, and then simplify things like "HE-MCSs for 242-tone RU and non-OFDMA 20 MHz, NSS = 1" to "HE-MCSs for 242-tone RU, NSS = 1" | REJECTED (EDITOR: 2019-09-16 04:25:33Z) - The current table headings in Clause 27.5 are unambigiously clear, henece it is preferable to keep the current language. |

And following is CID 16192 from LB233:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Page.Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 16192 |  |  | Sometimes the spec wording indicates that an RU is necessarily less than the full PPDU bandwidth, sometimes it indicates that a non-OFDMA transmission contains a single RU of the same width as the PPDU bandwidth | State that a full-width transmission is an RU, and then simplify things like "HE-MCSs for 242-tone RU and non-OFDMA 20 MHz, NSS = 1" to "HE-MCSs for 242-tone RU, NSS = 1" | Rejected.   The comment doesn't identify the paragraph or the location where the issue occurs. The commenter is invite to submit a more precise comment identifying the locations where suchh an issue occurs. |

Note that HE SU uses RU per the following paragraph.

D5.1 P498

|  |
| --- |
|  |

**Proposed Resolution: CID 22413**

**Revised**

D5.1 P498L13 already clarifies that HE SU PPDUs are using RUs. Hence, there is no need to re-state it.

Proposed text update for CID 22413 in 11-19/2057 updates the table captions in 27.5 as suggested by the commenter.

Instruction to TGax Editor: Implement the proposed text update for CID 22413 in 11-19/2057r0.

**Proposed Text Update: CID 22413**

*Instruction to TGax Editor: Update D5.1 P693L1 as shown below.*

27.5.4 HE-MCSs for 242-tone RU

The rate-dependent parameters for the 242-tone RU are provided in Table 27-80 through Table 27-87.

*Instruction to TGax Editor: Delete “and non-OFDMA 20 MHz” from captions of Table 27-80~87 as shown below.*

|  |
| --- |
| * HE-MCSs for 242-tone RU, *NSS* = 1 |
| * HE-MCSs for 242-tone RU, *NSS* = 2 |
| * HE-MCSs for 242-tone RU, *NSS* = 3 |
| * HE-MCSs for 242-tone RU, *NSS* = 4 |
| * HE-MCSs for 242-tone RU, *NSS* = 5 |
| * HE-MCSs for 242-tone RU, *NSS* = 6 |
| * HE-MCSs for 242-tone RU, *NSS* = 7 |
| * HE-MCSs for 242-tone RU, *NSS* = 8 |

*Instruction to TGax Editor: Update D5.1 P698L1 as shown below.*

27.5.5 HE-MCSs for 484-tone RU

The rate-dependent parameters for the 484-tone RU are provided in Table 27-88 through Table 27-95.

*Instruction to TGax Editor: Delete “and non-OFDMA 40 MHz” from captions of Table 27-88~95 as shown below.*

|  |
| --- |
| * HE-MCSs for 484-tone RU, *NSS* = 1 |
| * HE-MCSs for 484-tone RU, *NSS* = 2 |
| * HE-MCSs for 484-tone RU, *NSS* = 3 |
| * HE-MCSs for 484-tone RU, *NSS* = 4 |
| * HE-MCSs for 484-tone RU, *NSS* = 5 |
| * HE-MCSs for 484-tone RU, *NSS* = 6 |
| * HE-MCSs for 484-tone RU, *NSS* = 7 |
| * HE-MCSs for 484-tone RU, *NSS* = 8 |

*Instruction to TGax Editor: Update D5.1 P703L1 as shown below.*

27.5.6 HE-MCSs for 996-tone RU

The rate-dependent parameters for the 996-tone RU are provided in Table 27-96 through Table 27-103.

*Instruction to TGax Editor: Delete “and non-OFDMA 80 MHz” from captions of Table 27-96~103 as shown below.*

|  |
| --- |
| * HE-MCSs for 996-tone RU, *NSS* = 1 |
| * HE-MCSs for 996-tone RU, *NSS* = 2 |
| * HE-MCSs for 996-tone RU, *NSS* = 3 |
| * HE-MCSs for 996-tone RU, *NSS* = 4 |
| * HE-MCSs for 996-tone RU, *NSS* = 5 |
| * HE-MCSs for 996-tone RU, *NSS* = 6 |
| * HE-MCSs for 996-tone RU, *NSS* = 7 |
| * HE-MCSs for 996-tone RU, *NSS* = 8 |

*Instruction to TGax Editor: Update D5.1 P708L1 as shown below.*

27.5.7 HE-MCSs for 2×996-tone RU

The rate-dependent parameters for 2×996-tone RU are provided in Table 27-104 through Table 27-111.

*Instruction to TGax Editor: Update captions of Table 27-104~111 as shown below.*

|  |  |
| --- | --- |
| * HE-MCSs for 2×996-tone RU, *NSS* = 1 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 2 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 3 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 4 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 5 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 6 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 7 | |
| * HE-MCSs for 2×996-tone RU, *NSS* = 8 |

# CID 22414

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **Page.Line** | **Clause** | **Comment** | **Proposed Change** |
| 22414 |  |  | CID 21012. The contradiction identified in this comment is not addressed by the resolution. Should state that a full-width transmission is an RU, at least | State that a full-width transmission is an RU |

**Proposed Resolution: CID 22414**

**Rejected**

D5.1 P498L13 already clarifies that HE SU PPDUs are using RUs.

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