IEEE P802.11  
Wireless LANs

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| CIDs 7672 and 7687 | | | | |
| Date: 3/10/2016 | | | | |
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|  |  |  |  |  |

Abstract

This document discusses CIDs 7672 and 7687.

CID 166

# CID 7672

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| --- | --- | --- | --- | --- | --- |
| 7672 | 715 | 42 | 9.4.1.53 | "If the Rx NSS Type subfield is 1, the value of this field, combined with other information described in 9.4.2.158.3 (Supported VHT-MCS and NSS Set field), indicates the maximum number of spatial streams that the STA can receive as a beamformee in an SU PPDU" -- I see nothing in there that deals with BF | Delete ", combined with other information described in 9.4.2.158.3 (Supported VHT-MCS and NSS Set field), " |



Even for operation with BF, the number of streams is constrained by the general capabilities of the system. These should be taken into account in conjunction with the specific capability that is communicated here. As such, the reference to 9.4.2.158.3 appears to be in order.

**Proposed resolution:**

Reject – reference to 9.4.2.158.3 is correct and appropriate.

# CID 7687

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7687 | 1053 | 30 | 9.4.2.158 | "The value of Max VHT NSS is equal to the smaller of:" -- but this value is MCS-dependent | Change to "The value of Max VHT NSS for a given MCS is equal to the smaller of:" |

*(NOTE: page number should be 1054 instead of 1053)*

Table 9-246 uses the value of Max VHT NSS to determine how many streams can be used in 20/40/80 mode and how many can be used in 160 and 80+80.

NOTE 2 in that table in fact confirms that this value is MCS-dependent:



NOTE: the reference to 8.4.2.157.3 is wrong and should be corrected to 9.4.2.158.3.

In section 9.4.2.158.3, Max VHT NSS is defined as:



To make this a function of MCS, the text can be modified as follows:

The value of Max VHT NSS for a given MCS is equal to the smaller of:

— the maximum value of *n* for which the Max VHT-MCS for *n* SS has a value that ~~is not equal to 3~~ indicates support for that MCS (0, 1 or 2 for MCS 0-7, 1 or 2 for MCS 8, 2 for MCS 9)

— the maximum supported NSS as indicated by the value of the Rx NSS field of the Operation Mode

Notification frame if the value of RX NSS Type is 0

**Proposed resolution**

Revise

* Change the paragraph on page 1054, line 30 as shown above
* On Page 1053, line 44, change 8.4.2.157.3 to 9.4.2.158.3
* On Page 717, line 25, change 8.4.2.157.3 to 9.4.2.158.3