IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Changes to D1.0 for CID 7547 | | | | |
| Date: 2017-03-13 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Xiaogang Chen | Intel | 2111 NE 25th Ave, Hillsboro, OR, 97124 |  | Xiaogang.c.chen@Intel.com |

Abstract

This submission proposes resolutions for comments of TGax Draft 1.0 with the following CID 7547.

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

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **P.L.** | **Comment** | **Proposed Change** | **Resolution** |
| 7547 | Lisa Ward | 28.3.18.1 | 353.52 | Not all 11ax signal analyzer solutions are capable of the current RBW (25 kHz) and VBW (kHz) settings and we'd like to recommend 30 khz RBW and 10 kHz VBW ..  Since, the 11ax settings are based on scaling the settings of the legacy spectral mask, I tried to research the reasons behind the legacy 11a 100 KHz RBW and 30 KHz VBW settings in order to determine if there was some specific importance in those settings but was unable to find anything in the archived documents on the 802.11 website. Since I can find no specific reasons for the 100K and 30 KHz settings in legacy OFDM PHY, I can see no real value to setting the 11ax RBW and VBW requirements based on perfect scaling of them. | Change: Measurements shall be made using a 25 kHz resolution bandwidth and a 7.5 kHz video bandwidth. to: Measurements shall be made using a 30 kHz resolution bandwidth and a 10 kHz video bandwidth. | Revised-  Change RBW to 100kHz and keep VBW unchanged.  Stretch 20MHz mask outward.  TGax editor to make the changes shown in 11-17/0471r1 under all headings that include CID 7547. |

Discussions: The issues of RBW = 25kHz are discussed in 11-17/0078r1.

***To the TGax Editor: modify P.L. 353.53 as following***

Measurements shall be made using a ~~25~~ 100 kHz resolution bandwidth and a 7.5 kHz video bandwidth.

***In addition, modify P.L. 350.19 as following***

For a 20 MHz mask PPDU of HE format, the interim transmit spectral mask shall have a 0 dBr (dB relative to the maximum spectral density of the signal) bandwidth of 19.5 MHz, −20 dBr at ~~10.25~~ 10.5 MHz frequency offset, −28 dBr at 20 MHz frequency offset, and −40 dBr at 30 MHz frequency offset and above. The interim transmit spectral mask for frequency offsets in between 9.75 and ~~10.25~~ 10.5 MHz, ~~10.25~~ 10.5 and 20 MHz, and 20 and 30 MHz shall be linearly interpolated in dB domain from the requirements for 9.75 MHz, ~~10.25~~ 10.5 MHz, 20 MHz, and 30 MHz frequency offsets.

***In addition, replace Figure 28-37 with the bellow figure.***

****

**Figure 28-37—Example transmit spectral mask for a 20 MHz mask PPDU**