IEEE P802.11
Wireless LANs

|  |
| --- |
| D1.0 Comment Resolution – Misc. PHY Comments, Part 2 |
| Date: 2011-09-19 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Youhan Kim | Qualcomm | 1700 Technology DriveSan Jose, CA 95110 |  | youhan.kim@qca.qualcomm.com |

##### Comments are based on 11ac D1.0. Proposed resolutions are based on 11ac D1.1. Changes indicated by a mixture of Word track-changes and instructions. For equation changes, Latex notation is sometimes used. E.g. a\_{xyz}^b denotes axyzb

Following CIDs are covered in this document:

3814, 3447, 3815

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3814 | 139.46 | 22.3.8.1.4 | The sequence of equation numbering is broken, making normative references to these equations a problem. | Reorder the sequence of the equation numbers along with the references to these equations in the text. | AGREE IN PRINCIPLE. Note that the equantion numbering has already been updated in D1.1, hence no further text change is required. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3447 | 140.30 | 22.3.8.1.4 | What is the point of the superscript r in Eq 22.16? It is not defined in context and is a bit confusing (at least for me). | Please clarify and if unnecessary please remove it. | AGREE IN PRINCIPLE. See 11/1235. |

**Context:**

****

**Discussion:**

11a used a function *M*(*k*) to map the logical subcarriers 0 to 47 to frequency offset index -26 to 26 (Equation (17-23), REVmb D10.0, P1703L44).



11n took an different approach, where the equation for *r*(*k*) is summed from -26 to 26 (frequency offset index), not 0-47 (logical subcarrier index). Hence, this required a ‘reverse’ *M*(*k*) function to map the frequency offset indices (-26~+26) to the logical subcarrier indices (0~47). This reverse function is *Mr*(*k*).

11n has a note describing this (REVmb D10.0, P1803L22). It is suggested that 11ac add a similar note to guide the reader.



**Proposed Text Changes:**

**22.3.8.1.4 L-SIG definition**

Add the following NOTE at the end of 22.3.8.1.4:

NOTE -  is a “reverse” function of the function  defined in 18.3.5.10 (OFDM modulation)(#3447).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3815 | 144.12 | 22.3.8.2.3 | The bit identification "B3:" is not correct. | Change "B3:" to "B2:". | AGREE IN PRINCIPLE. This is a duplicate of CID 2060, and has already been fixed in D1.1. No additional text change needed. |

**Supplementary info:**

**D1.0**



**D1.1**

