IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CC36 remaining PHY introduction related CRs | | | | | | Date: 2022-03-04 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Kanke Wu | Qualcomm, Inc. | 5775 Morehouse Dr. San Diego, CA 92121 |  | kankew@qti.qualcomm.com | | Bin Tian |  | |

Abstract

This submission proposes resolutions for the following comments from CC36 in P802.11be D1.4:

**Revision History:**

R0: Initial version.

# CID 4941

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 4941 | 36.1.1 | 311.40 | "total across all users not exceeding eight spatial streams" | change to 16 | REJECTED  The current decision of supporting to up to 8 spatial streams is made based on compromise between performance and implementation difficulty. To support to up to 16 spatial streams, more study need to be done and details for transmission up to 16 spatial streams need to be added to the standard. As a result, we think it is better to keep the maximum spatial streams to be 8 right now. |

**Background**

D1.4 P457

**36.1 Introduction**

**36.1.1 Introduction to the EHT PHY**

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# CID 5443

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 5443 | 9.4.2.295c.3 | 138.13 | The number of bits of Beamformee SS and Number Of Sounding Dimensions should be extended from 3bits to 4 bits for future extension. And any reserved values (larger than 8 later in R2) should be interpreted as more than 8 by R1 devices. By doing so R1 devices can still do sounding with R2 devices. | as in comment | REJECTED  The maximum number of supported spatial streams is currently 8.  The current decision of supporting to up to 8 spatial streams is made based on compromise between performance and implementation difficulty. To support to up to 16 spatial streams, more study need to be done and details for transmission up to 16 spatial streams need to be added to the standard.  We think it is better to keep these fields as is for now and expand them when needed in the future. |