IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PDT Reference for SR | | | | |
| Date: 2021-07-08 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Zinan Lin | InterDigital Inc. | 111 West 33rd Street  New York, NY 10120  USA |  | zinan.lin@interdigital.com |
| Xiaofei Wang |  |  |
| Hanqing Lou |  |  |
|  |  |  |  |  |

Abstract

This submission proposes draft text (Baseline P802.11be D1.2) to correct references to the spatial reuse subclause to align with the motioned resolutions for CID 4897 and 6799 in 11-21/1388r3.

**Revisions:**

Rev 0: first draft of the document.

Rev 1: second draft of the document with editorial change

**Background (not part of the PDT):**

Resolutions in 11-21/1388r3 for CIDs 4897, 5495, 6799 have passed motion in which a new subclause SPATIAL\_REUSE is added in Clause 35.10 (Rules for setting some TXVECTOR parameters for PPDUs transmitted by an EHT STA). In addition, the references to spatial reuse operation for EHT STAs have also been corrected to 35.9 (Spatial reuse operation).

**Background End**

***TGbe Editor: Please make the following changes on Page 397 Line 40 as follows (802.11be Draft 1.2)***

—SPATIAL\_REUSE is set to PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED (see 35.10.2 (SPATIAL\_REUSE)).

***TGbe Editor: Please make the following changes on Page 532 Line 21-23 as follows (802.11be Draft 1.2)***

Table 36-33—Common field for OFDMA transmission

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bit** | **Subfield** | **Number of Subfields** | **Number of bits per subfield** | **Description** |
| B0 -B3 | Spatial Reuse | 1 | 4 | Indicates whether or not spatial reuse modes are allowed during the transmission of this PPDU. Set to a value from Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER PPDU, and HE MU PPDU). Note that Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER PPDU, and HE MU PPDU) also applies to EHT MU PPDU. See 35.10.2 (SPATIAL\_REUSE), and 35.9 (Spatial reuse operation). |

***TGbe Editor: Please make the following changes on Page 544 Line 21-23 as follows (802.11be Draft 1.2)***

Table 36-36—Common field for non-OFDMA transmission to a single user and non-OFDMA transmission to multiple users

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **Subfield** | **Number of bits** | **Description** |
| B0 -B3 | Spatial Reuse | 4 | Indicates whether or not spatial reuse modes are allowed during the transmission of this PPDU. Set to a value from Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER PPDU, and HE MU PPDU). Note that Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER PPDU, and HE MU PPDU) also applies to EHT MU PPDU. See 35.10.2 (SPATIAL\_REUSE), and 35.9 (Spatial reuse operation). |

***TGbe Editor: Please make the following changes on Page 546 Line 18-19 as follows (802.11be Draft 1.2)***

Table 36-37—Common field for EHT sounding NDP

|  |  |  |  |
| --- | --- | --- | --- |
| **Bit** | **Subfield** | **Number of bits per subfield** | **Description** |
| B0–B3 | Spatial Reuse | 4 | Indicates whether or not spatial reuse modes are allowed during the transmission of this PPDU. Set to 15 from Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER SU PPDU, and HE MU PPDU). Note that Table 27-22 (Spatial Reuse field encoding for an HE SU PPDU, HE ER PPDU, and HE MU PPDU) also applies to EHT MU PPDU. See 35.10.2 (SPATIAL\_REUSE), and 35.9 (Spatial reuse operation). |