IEEE P802.11
Wireless LANs

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| Resolution for LB266 CID 11676  |
| Date: 2022-10-04 |
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Abstract

##### This submission present proposed resolutions for the following CID: 11676

##### The proposed changes are based on 802.11be/D2.2.

##### Revision history:

##### r0 – initial version

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| **CID** | **Clause** | **Page.Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 11676 | 35.11.3(D2.0)35.10.3 (D2.2) | 515.21(D2.0)554.62 (D2.2) | Since EHT STA has the EHT Spatial Reuse subfields in the Special user Info field, there is a need to add a subclause to clarify the definition of UL Spatial Reuse subfield in the Special User field of Trigger frame | Add a subclause to clarify the definition of UL Spatial Reuse subfield in the Special user field Trigger frame | **Accepted** |

***TGbe editor: please add the following subclause after the subclause 35.10.3.1 in 802.1be/D2.2***

**35.10.3.2 EHT Spatial Reuse subfields of Trigger frame**

An AP with dot11HEPSROptionImplemented set to true that transmits a Trigger frame may determine the value of the EHT Spatial Reuse subfield of the Special User Info field of the Trigger frame for each 20 MHz subchannel for a 20 MHz, 40 MHz, 80 MHz, 160MHz or 320MHz PPDU by selecting the row in Table 27-23 (Spatial Reuse field encoding for an HE TB PPDU) that has a numerical value in the “Meaning” column that is the highest value that is less than or equal to the value of the computed MAC parameter PSR\_INPUT as follows:

PSR\_INPUT = TX\_PWRAP+ Acceptable Receiver Interference LevelAP

where

TX\_PWRAPis the total power at the antenna connector, in dBm, for that 20 MHz subchannel for a 20 MHz, 40 MHz, 80 MHz, 160MHz or 320MHz PPDU, over all antennas used to transmit the PSRR PPDU containing the Trigger frame

Acceptable Receiver Interference LevelAP is a value in dBm for that 20 MHz subchannel for a 20 MHz, 40 MHz, 80 MHz, 160MHz or 320MHz PPDU and should be set to the expected receive signal power indicated by the UL Target Receive Power subfield in the Trigger frame for the highest EHT-MCS of the ensuing EHT TB PPDUs minus the minimum SNR value that yields ≤ 10% PER for that MCS minus a safety margin value not to exceed 5 dB as determined by the AP

An AP with dot11HEPSROptionImplemented set to true that transmits a Trigger frame may set the value of the EHT Spatial Reuse subfield of the Special User Info field of the Trigger frame in each 20 MHz bandwidth for a 20 MHz, 40 MHz, 80 MHz, 160MHz or 320MHz PPDU to PSR\_DISALLOW.

An AP with dot11HEPSROptionImplemented set to false that transmits a Trigger frame shall set the value of the EHT Spatial Reuse subfield of the Special User Info field of the Trigger frame in each 20 MHz bandwidth for a 20 MHz, 40 MHz, 80 MHz, 160MHz or 320MHz to PSR\_DISALLOW.