IEEE P802.11
Wireless LANs

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| Draft Spec Text for Definition of tone rotation |
| Date: 2020-01-12 |
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Abstract

This submission contains spec text for 33.3.7.3 Definition of tone rotation in P802.11bd D0.1. The text reflects the related straw polls and motions passed in 11/19/1864 and 11-19/0514.

Revisions:

* Rev 0: Initial version of the document.

Discussion

After the decision by 11bd group, one among Equation (33-x5) and Equation (33-x6) will remain with revision 1.

***To TGbd Editor:*** *replace the current text with the proposed changes below.*

***------------- Begin Text Changes ---------------***

33.3.7.3 Definition of tone rotation

The function $ Υ\_{k,BW}$ is used to represent a rotation of the tones. BW in $ Υ\_{k,BW}$ is determined by the TXVECTOR parameter CH\_BANDWIDTH as defined in Table 33-xx (CH\_BANDWIDTH).

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| Table 33-x4 CH\_BANDWIDTH and $ Υ\_{k,BW}$ |
| CH\_BANDWIDTH |  |
| CBW10 | *k*10 |
| CBW20 | *k*20 |

For a 10 MHz NGV PPDU transmission,

$ Υ\_{k,10} = 1$ (33-x4)

For a 20 MHz NGV PPDU transmission, ~~tone rotation values are TBD.~~

$ τ\_{k, 20}= 1$ (33-x5)

$ τ\_{k, 20}= \left\{\begin{array}{c}1,  k<0\\ j,  k \geq 0 \end{array}\right.$ (33-x6)

***------------- End Text Changes ------------------***