IEEE P802.11  
Wireless LANs

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| Comment Resolutions for CID 340 | | | | |
| Date: 2020-08-27 | | | | |
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Abstract

This submission proposes resolution to the CID 340 received on subsection 32.3.10 (Receiver specification) in TGbd D0.3.

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| --- | --- | --- | --- | --- | --- |
| 340 | 32.3.8.9 | 55.01 | add new subclause to cover "(Non-HT duplicate transmission" and its contents | as in comment | Revised.  A “Non-NGV duplicate transmission” subclause 32.3.8.11 is added in 11-20/790r3, but mathematical equation is not provided, which is added in this resolution.  See changes in 11-20/1378r0. |

*TGbd Editor: Please add an entry in Table 32-8 in the Section 32.3.6.3.*

32.3.6.3 Transmitted signal

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| --- | --- | --- | --- |
| Table 32-8 Tone scaling factor and guard interval duration values for PHY fields | | | |
| Field |  | | Guard interval duration |
| 10 MHz | 20 MHz |  |
| L-STF | 12 | 24 | - |
| L-LTF | 52 | 104 | *TGI2* |
| L-SIG | 52 | 104 | *TGI* |
| RL-SIG | 52 | 104 | *TGI* |
| NGV-SIG | 52 | 104 | *TGI* |
| RNGV-SIG | 52 | 104 | *TGI* |
| NGV-STF | 12 | 24 | *-* |
| NGV-LTF-1x | 28 | 58 | *TGI* |
| NGV-LTF-2x | 56 | 114 | *TGI* |
| NGV-LTF-2x-Repeat | 56 | 114 | *TGI* |
| NGV-LTF-1x-Repeat | 28 | 58 | *TGI* |
| Data | 56 | 114 | *TGI* |
| NON\_NGV\_10\_DUP\_OFDM-Data | - | 104 | *TGI* |

*TGbd Editor: Please make the following changes based on the new Section 32.3.8.11 proposed in 11-20/790r3.*

32.3.8.11 Non-NGV duplicate transmission

When the TXVECTOR parameter FORMAT is NON\_NGV\_10 and the TXVECTOR parameter NON\_NGV\_MODULATION is NON\_NGV\_10\_DUP\_OFDM, the transmitted PPDU is a non-NGV duplicate. Non-NGV duplicate transmission is used to transmit to STAs that support non-NGV OFDM and may be present in a part of a 20 MHz channel (see Table 32-2 (Interpretation of FORMAT, NON\_NGV\_MODULATION, CH\_BANDWIDTH, and CH\_OFFSET parameters)). The RL-SIG, NGV-SIG, RNGV-SIG, NGV-STF and NGV-LTF fields are not transmitted. The L-STF, L-LTF, and L-SIG fields shall be transmitted in the same way as in the NGV transmission, with the exceptions for the Rate and Length fields which shall follow 17.3.4 (SIGNAL field). Data field shall be as defined in Equation (32-x).

(32-x)

where

and are defined in 17.3.5.10 (OFDM modulation)

is defined in Equation (32-10)

represents the cyclic shift of the transmit chain and is defined in 32.3.7.2.1 (Cyclic shift for pre-NGV modulated fields)

has the value given in Table 32-8 (Tone scaling factor and guard interval duration values for PHY fields)