### **IEEE P802.11Wireless LANs**

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| PDT Clarification Extra LTF PHY Capability |
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| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Steve Shellhammer | Qualcomm |  |  | shellhammer@ieee.org |
| Youhan Kim |  |  | youhank@qti.qualcomm.com |
| Bin Tian |  |  | btian@qti.qualcomm.com |

**Introduction**

The current description in the Maximum Number Of Supported EHT-LTFs subfield in the PHY Capabilities Information field is unclear as whether this capability field indicates support for transmission of Extra LTFs or for reception of Extra LTFs.

**Discussion**

It is our understanding that this field indicates the capability to receive Extra LTFs. It is our understanding that a STA is allowed to transmit Extra LTFs to a STA that indicates the capability to receive Extra LTFs. Hence, we do not think there is a need to indicate the capability to transmit Extra LTFs, and there is only a need to indicate the capability to receive Extra LTFs.

We propose clarifying the text in the text in the Maximum Number Of Supported EHT-LTFs subfield in the PHY Capabilities Information field.

***TGbe editor: Please make the following changes in Table 9-322ap (Subfield of the EHT PHY Capabilities Information field):***

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| Maximum Number Of Supported EHT-LTFs | B0 indicates support for reception of extra EHT-LTFs for non-OFDMA transmission in an EHT MU PPDU.B1–B2 indicates the maximum number of EHT-LTFs supported for reception within a non-OFDMA transmissions to single user.B3–B4 indicates the maximum number of EHT-LTFs supported for reception of transmissions to multiple users and for an EHT NDP. | B0 is set to 0 if not supported. B0 is set to 1 if supported.A B1–B2 value of 0 indicates a maximum of four EHT-LTFs.A B1–B2 value of 1 indicates a maximum of eight EHT-LTFs.B1–B2 values of 2 and 3 are reserved.If B0 is set to 0 then B1 and B2 are both reserved.A B3–B4 value of 0 indicates a maximum of four EHT-LTFs.A B3–B4 value of 1 indicates a maximum of eight EHT-LTFs.If B0 is set to 0, then B3-B4 applies only to OFDMA transmisions.B3–B4 values of 2 and 3 are reserved.The maximum number of supported EHT-LTFs shall be no less than the number of supported spatial streams. |