IEEE P802.11
Wireless LANs

|  |
| --- |
| Smoothness Recommendation for HE-LTF |
| Date: 2016-11-06 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Feng Jiang | Intel Corporation | 2200 Mission College blvd, Santa Clara, CA 95054 | +1-949-335-2119 | feng1.jiang@intel.com |
| Qinghua Li | Intel Corporation |  |  | qinghua.li@intel.com |
| Xiaogang Chen | Intel Corporation |  |  | xiaogang.c.chen@intel.com |
| Robert Stacey | Intel Corporation |  |  | robert.stacey@intel.com |

Abstract

This submission proposes text changes to PHY section to include smoothness recommendation for HE-LTF:

NOTE- The proposed change in this document is based on TGax Draft 0.5.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

**Discussion:** Refer to IEEE 802.11-16/1421r0

**TGax Editor: *insert the following sentence to end of 26.3.12.10 HE-LTF:***

When 1x/2x/4x HE-LTF is transmitted, it is recommended that the spatial mapping matrix applied to HE-STF and beyond is chosen such that it preserves the smoothness of the physical channel, achieved by limiting the variation of each element’s real and imaginary values in the spatial mapping matrix across successive tones within one RU.