IEEE P802.11 Wireless LANs

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| Proposed text for 17.3.10.6 CCA requirements |
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Abstract

This document is to propose the changes needed for the LC in the CCA mechanism. The base documents are IEEE Std. 802.11-2016.

***Discussion: Highlighted text preceded by “Discussion” are not to be copied into the TGbb Draft. Such text provides rationale for the proposed changes.***

History

R0: proposal of one paragraph to explain the difference of the CCA in LC

### 17.3.10.6 CCA requirements

***Discussion: this document is to add a paragraph to explain the differences in the CCA in LC and radio communication systems.***

*Add a paragraph after the 7th paragraph as follows:*

In LC, CCA-ED may be required for carrier sensing. Due to the directional transmissions, non-AP LC STAs may not be able to sense the ongoing transmissions from a peer non-AP LC STA. Hence, the CCA-ED may not work on the first round of UL transmission. With the aid of UL repeater in the LC AP, other non-AP LC STAs may be able to receive the repeated signals from the LC AP which enables the CCA-ED as in the radio communication systems. Light signals are converted to radio frequency signals before comparing to the dot11OFDMEDThreshold.