IEEE P802.11 Wireless LANs

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| Channel numbering for LC HT and LC VHT PHY modes |
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Abstract

This document provides text to be incorporated in the TGbb draft for the channel numbering for LC HT and LC VHT PHY modes.

## 32.3.2.1.2 Channelization for the other LC PHY modes

Channel center frequencies are defined at every integer multiple of 5 MHz above the channel starting frequency. The relationship between center frequency and channel number is given in Equation (1)

Channel center frequency = Channel starting frequency + 5 x nch (MHz) (1)

where nch = 1,..., 61 and Channel starting frequency = 21 MHz.

LC HT PHY mode supports 20 and 40 MHz contiguous channel widths; LC HE PHY mode and LC VHT PHY mode support 20 MHz, 40 MHz, 80 MHz, and 160 MHz contiguous channel widths and support for 80+80 MHz noncontiguous channel width. The set of valid operating channel numbers by regulatory domain is defined in Annex E.

*Alternative expression of the channel numbering to line 9-12:*

LC HT PHY mode supports 20 MHz contiguous channel widths (nch = 1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61) and 40 MHz contiguous channel widths (nch = 3, 11, 19, 27, 35, 43, 51, 59); LC HE PHY mode and LC VHT PHY mode support 20 MHz (nch =1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61), 40 MHz(nch = 3, 11, 19, 27, 35, 43, 51, 59), 80 MHz(nch = 7, 23, 39, 55), and 160 MHz contiguous channel widths and support for 80+80 MHz noncontiguous channel width(nch = 15, 47).

*Editor’s note: TBD. Call for contributions to define the channelization. (e.g., need to add the numbers of*

*20 channels for LC HT PHY and LC VHT PHY, 61 is for LC HE PHY.*

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