IEEE P802.11  
Wireless LANs

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| D0.4 Comment Resolution Channelization | | | | |
| Date: 2011-05-04 | | | | |
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##### Baseline draft 11ac D0.4.

PHY CIDs addressed: 1696, 1391.

***PHY***

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| 1696 | Cheong, Minho | 22.3.15 | 134 | 62 | TR | may' is not adequate because 802.11ac PAR and 802.11ac Functional Requiremenst already specifies that the 11ac amendnent shall … in 5GHz band. | needs to be changed into 'shall' |

**Proposed resolution: Accept in principle**

**Discussion:**

1. TGac PAR “https://mentor.ieee.org/802.11/dcn/08/11-08-0807-04-0vht-below-6-ghz-par-nescom-form-plus-5cs.doc. TGac PAR excludes operation of VHT devices in 2.4 GHz band
   1. Below 6 GHz carrier frequency operation excluding 2.4 GHz operation while ensuring backward compatibility and coexistence with legacy IEEE802.11 devices in the 5 GHz unlicensed band
2. Clause 17 devices also operate in the 5GHz band, section in channel number has
   1. Channel starting frequency is defined as dot11ChannelStartingFactor × 500 kHz or is defined as 5 GHz for systems where dot11OperatingClassesRequired is false or not defined.
   2. The set of valid operating channel numbers by regulatory domain is defined in Annex E. As shown in Figure 17-11 (Subcarrier frequency allocation), no subcarrier is allocated on the channel center frequency
3. The IEEE specifications leave operation in bands based on country regulatory requirements.
4. Remove the sentence “A VHT STA may operate in the 5GHz band.”

***Change:***

**22.3.15 Channelization**

~~A VHT STA may operate in the 5 GHz band.~~

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| 1391 | Ecclesine, Peter | 22.3.15 | 135 | 54 | TR | Text is missing the restriction that is present in clause 17 Channel numbering "value null for nch shall be reserved, and a channel center frequency of 5.000 GHz shall be indicated by dot11ChannelStartingFactor = 8000 and nch = 200." | Include 17.3.8.4.2 5 GHz channel 0 restriction here after the primary 20 MHz channel numbering definition. |

**Proposed resolution: Accept**

**Discussion:**

1. In section 17.3.8.4.2 Channel numbering, if the dot11OperatingClassesRequired is true then the Channel starting frequency is defined as dot11ChannelStartingFactor × 500 kHz. The value of n ch is also reserved.
2. The Channel starting frequency is defined as dot11ChannelStartingFactor × 500 kHz
3. Commenter wants similar text to be included in section 22 also.

***Add to Page 160, line 42 section* 22.3.15 Channelization**

**The value null for nch shall be reserved, and a channel center frequency of 5.000 GHz shall be indicated by dot11ChannelStartingFactor = 8000 and nch = 200.**