IEEE P802.11
Wireless LANs

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| MCS Capabilites |
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Abstract

This document suggest text to for MCS capabilities

Changes are based on Draft 0.30

Disucssion: The current draft does not provide a highest MCS for an EDMG STA.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 142 | 27.09 | 9.4.2.250 | Definition of this field is incomplete. Need to define complete MCS capability. | As noted |

***9.4.2.250.4 PHY Capability field***

***TGay Editor: Add the following fields to the PHY Capability field (Figure 29)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B4 | B5 B9 | B10 B21 | B22  | B23 |
|  | Maximum SC MCS | Maximum OFDM MCS | Maximum PHY rate | MCS 5 6 Capability | Reserved |
| Bits: | 5 | 5 | 12 | 1 | 1 |

The Maximum SC MCS subfield contains the index of the highset supported receive SC MCS. The mandatory EDMG SC mode MCSs are not impacted by the value of this subfield.

The Maximum OFDM MCS subfield contains the index of the highest supported receive OFDM MCS.

The Maximum PHY Rate subfield contains the maximum PHY data rate, in 100Mbps units, that the STA supports in receive mode, over all supported channel bandwidths and number of spatial streams. This PHY data rate may be lower than the data rate provided by the maximum supported MCS when used with a combination of the largest supported channel bandwidth and the maximum number of supported spatial streams.

The MCS 5 6 Capability subfield specify whtehter MCS 5 and 6 are supported in SC SISO mode.