IEEE P802.11  
Wireless LANs

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| --- | --- | --- | --- | --- |
| Text for PHY Capability field in EDMG Capabilities element | | | | |
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Abstract

This document proposes changes related to the PHY Capability field in the EDMG Capabilities element in the 11ay draft specification.

* + - 1. EDMG Capabilities element
         1. PHY Capability field

*Modify Figure 26 of as follows:*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B3 | B4 B6 | B7 B9 | B10 B15 |
|  | PH Supported | Open Loop Precoding Supported | DCM SQPSK Supported | Long LDPC CW Supported | SC Maximum Number of SU-MIMO Spatial Streams Supported | OFDM Maximum Number of SU-MIMO Spatial Streams Supported | Reserved |
| Bits: | 1 | 1 | 1 | 1 | 3 | 3 | 6 |

2. —PHY Capability field format

*Insert the following after the fifth paragraph:*

The SC Maximum Number of SU-MIMO Spatial Streams Supported field indicates the maximum number of SU-MIMO spatial streams for SC that the STA can demodulate. The value of this field is in the range 1 to 8, with the value being equal to the bit representation plus 1.



The OFDM Maximum Number of SU-MIMO Spatial Streams Supported field indicates the maximum number of SU-MIMO spatial streams for OFDM that the STA can demodulate. The value of this field is in the range 1 to 8, with the value being equal to the bit representation plus 1.