IEEE P802.11
Wireless LANs

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| PDT-EHT-SIG-MCS-Table |
| Date: 2021-01-25 |
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Abstract

This document contains proposed draft text update for EHT-SIG MCS Table.

R0: initial version

R1: update based on Lei’s comment

***Background (not part of the PDTs):***

* Parameters for HE-SIG-B-MCSs

The HE-SIG-B-MCSs, defined in Table 27-112 (HE-SIG-B MCSs), are used for the HE-SIG-B field transmission in the HE MU PPDU.

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| --- |
| * HE-SIG-B MCSs
 |
| HE-SIG-B-MCS Index | DCM | Modulation | R | *NBPSCS* | *NSD* | *NCBPS* | *NDBPS* | HE-SIG-B rate (Mb/s) |
| 0 | 1 | BPSK |  1/2 | 1 | 26 | 26 | 13 | 3.3 |
| 0 |  1/2 | 52 | 52 | 26 | 6.6 |
| 1 | 1 | QPSK | 1/2 | 2 | 26 | 52 | 26 | 6.6 |
| 0 |  1/2 | 52 | 104 | 52 | 13.2 |
| 2 | N/A |  3/4 | 52 | 104 | 78 | 19.5 |
| 3 | 1 | 16-QAM |  1/2 | 4 | 26 | 104 | 52 | 13.2 |
| 0 |  1/2 | 52 | 208 | 104 | 26.0 |
| 4 | 1 |  3/4 | 26 | 104 | 78 | 19.5 |
| 0 |  3/4 | 52 | 208 | 156 | 39.0 |
| 5 | N/A | 64-QAM |  2/3 | 6 | 52 | 312 | 208 | 52.0 |
| NOTE—The parameters *NSD*, *NCBPS* and *NDBPS* are used for the HE-SIG-B field transmission in each 20 MHz subchannel. |

**Table 36-19—U-SIG field of an EHT MU PPDU *(continued)***



***Background Ended***

***PDT part begins:***

***Instructions to the editor: please add the following subclause after 36.5 Parameters for EHT-MCSs subclause***

**36.6 Parameters for EHT-SIG-MCSs**

The EHT-SIG-MCSs, defined in Table 36-75 (EHT-SIG MCSs), are used for the EHT-SIG field transmission in the EHT MU PPDU.

**Table 36-75—EHT-SIG MCSs**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Value of EHT-SIG MCS field | EHT-SIG MCS Index | Modulation | R | *NBPSCS* | *NSD* | *NCBPS* | *NDBPS* | EHT-SIG rate (Mb/s) |
| 0 | EHT-MCS 0 | BPSK |  1/2 | 1 | 52 | 52 | 26 | 6.6 |
| 1 | EHT-MCS 1 | QPSK |  1/2 | 2 | 52 | 104 | 52 | 13.2 |
| 2 | EHT-MCS 3 | 16-QAM | 1/2 | 4 | 52 | 208 | 104 | 26.0 |
| 3 | EHT-MCS 15 | BPSK-DCM |  1/2 | 1 | 26 | 26 | 13 | 3.3 |
| NOTE—The parameters *NSD*, *NCBPS* and *NDBPS* are used for the EHT-SIG field transmission in each 20 MHz subchannel. |