
CLAIMS

What is claimed is:

1. A nominal packet padding value indication method, comprising:

generating, by a first device, a physical layer protocol data unit, PPDU, wherein the PPDU

5 comprises a physical layer packet extension thresholds present subfield and a physical layer packet extension thresholds field, a value of the physical layer packet extension thresholds present subfield is 1, the physical layer packet extension thresholds field comprises a resource unit, RU, index bitmask subfield, a number of spatial streams, NSS, subfield, and a physical layer packet extension thresholds information field, wherein the physical layer packet extension thresholds
10 information field comprises a plurality of packet extension threshold subfield sets, each packet extension threshold subfield set indicates a modulation threshold corresponding to an NSS of n and an RU or a multiple resource unit, MRU, with an index b , and the modulation threshold is used to determine a nominal packet padding value to be used, wherein

a value range of n is a subset of $[1, \dots, N]$, N is an integer greater than 1, a value range of b is
15 a subset of $[0, \dots, M]$, M is an integer greater than 0, and a value of a bit in the RU index bitmask subfield corresponding to an RU or MRU with an index y is 0, the value range of b does not comprise y ; and

in a packet extension threshold subfield set, the value of the bit in the RU index bitmask subfield corresponding to the RU or MRU with the index y is 0 indicates that a modulation
20 threshold corresponding to the NSS of n and the RU or MRU with the index y is same with a modulation threshold corresponding to an NSS of n and an RU or MRU with an index $m1$, wherein $m1$ is a largest index in indexes that correspond to a bit being 1 in the RU index bitmask subfield and that are less than y ; and

sending, by the first device, the PPDU.

25 2. The method according to claim 1, wherein multiple types of RUs or MRUs of different sizes correspond to a same RU allocation index.

3. The method according to claim 1 or 2, wherein the plurality of packet extension threshold subfield sets correspond to different nominal packet padding values.

4. The method according to any one of claims 1 to 3, wherein the NSS subfield indicates a
30 value of N .

5. A nominal packet padding value determining method, comprising:

receiving, by a second device, a physical layer protocol data unit, PPDU from a first device, wherein the PPDU comprises a physical layer packet extension thresholds present subfield and a physical layer packet extension thresholds field, a value of the physical layer packet extension thresholds present subfield is 1, and the physical layer packet extension thresholds field comprises a resource unit, RU, index bitmask subfield, a number of spatial streams, NSS, subfield, and a physical layer packet extension thresholds information field, wherein the physical layer packet extension thresholds information field comprises a plurality of packet extension threshold subfield sets, each packet extension threshold subfield set indicates a modulation threshold corresponding to an NSS of n and an RU or a multiple resource unit, MRU, with an index b , and the modulation threshold is used to determine a nominal packet padding value to be used, wherein a value range of n is a subset of $[1, \dots, N]$, N is an integer greater than 1, a value range of b is a subset of $[0, \dots, M]$, M is an integer greater than 0, and a value of a bit in the RU index bitmask subfield corresponding to an RU or MRU with an index y is 0, the value range of b does not comprise y ; and

determining, by the second device, that a modulation threshold corresponding to the NSS of n and the RU or MRU with the index y is same with a modulation threshold corresponding to an NSS of n and an RU or MRU with an index $m1$ in a packet extension threshold subfield set, wherein $m1$ is a largest index in indexes that correspond to a bit being 1 in the RU index bitmask subfield and that are less than y .

6. The method according to claim 5, wherein multiple types of RUs or MRUs of different sizes correspond to a same RU allocation index.

7. The method according to claim 5 or 6, wherein the plurality of packet extension threshold subfield sets correspond to different nominal packet padding values.

8. The method according to any one of claims 5 to 7, wherein the NSS subfield indicates a value of N .

9. An apparatus, configured to perform the method according to any one of claims 1 to 4.

10. An apparatus, configured to perform the method according to any one of claims 5 to 8.

11. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, the computer program comprises program instructions, and when the program instructions are executed by a computer, the computer is enabled to perform the method

according to any one of claims 1 to 8.

12. A computer program product including computer program code, wherein when the computer program code is run, the method according to any one of claims 1 to 4 is performed, or the method according to any one of claims 5 to 8 is performed.

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