SUMMARY

[6] A non-limiting example facilitates providing communication apparatuses and communication methods for resource unit allocation signalling in context of EHT WLAN.

[7] In one aspect, the present disclosure provides a communication apparatus comprising circuitry, which, in operation, generates a physical layer protocol data unit (PPDU) comprising two signal field content channels in each 80 MHz frequency segment, each of the two signal field content channels comprising a plurality of resource unit (RU) allocation subfields, wherein a value of each of the plurality of RU allocation subfields is able to indicate sizes of component RUs of a large-size RU combination; and a transmitter, which, in operation, transmits the generated PPDU.

[8] In another aspect, the present disclosure provides a communication method comprising generating a PPDU comprising two signal field content channels in each 80 MHz frequency segment, each of the two signal field content channels comprising a plurality of RU allocation subfields, wherein a value of each of the plurality of RU allocation subfields is able to indicate sizes of component RUs of a large-size RU combination; and transmitting the generated PPDU.

[8a] In another aspect, the present disclosure provides a communication apparatus comprising a receiver, which, in operation, receives a physical layer protocol data unit (PPDU) comprising two signal field content channels in each 80 MHz frequency segment, each of the two signal field content channels comprising a plurality of resource unit (RU) allocation subfields, wherein a value of each of the plurality of RU allocation subfields is indicative of sizes of component RUs of a large-size RU combination; and a circuitry, which, in operation, decodes the PPDU.

[9] It should be noted that general or specific examples may be implemented as a system, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[10] Additional benefits and advantages of the examples in the disclosure will become apparent from the specification and drawings. The benefits and/or

advantages may be individually obtained by the various examples and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.

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