

CLAIMS

1. A method comprising:
receiving, by an access point (AP), a request to transmit at least one sensing measurement report; and
transmitting, by the AP, a sensing measurement report frame comprising a category field, a public action field, and at least one measurement set-up identifier field and at least one sensing measurement report element.
2. The method of claim 1, wherein the sensing measurement report frame comprises a category field, a public action field, a dialog token field, a measurement set-up identifier field, and a sensing measurement report element.
3. The method of claim 1 or 2, wherein each of the category field, the public action field, the dialog token field, and the measurement set-up identifier field are one octet.
4. The method of any of claims 1 to 3, wherein the sensing measurement report frame comprises a category field, a public action field, and a plurality of sensing measurement reports, each sensing measurement report of the plurality of sensing measurement reports comprising a measurement set-up identifier field, a measurement instance identifier field, and a sensing measurement report field.
5. The method of any of claims 1 to 4, wherein the sensing measurement report frame comprises a category field, a public action field, a measurement set-up identifier field, a measurement instance identifier field, and a plurality of sensing measurement reports, each sensing measurement report of the plurality of sensing measurement reports comprising a station identifier field and a sensing measurement report field.
6. The method of claim 5, wherein the station identifier field comprises an association identifier (AID) field.
7. The method of any of claims 1 to 6, wherein the at least one sensing measurement report element comprises an element identifier field, a length field, an element identifier field, a sensing

measurement report type field, a sensing measurement report control field, and a sensing measurement report field.

8. The method of claim 7, wherein the sensing measurement report control field comprises a feedback bandwidth subfield, an initiator to responder (I2R) number of space time streams (N_STS) subfield, a responder to initiator (R2I) N_STS subfield, a number of subcarrier groups (Ng) subfield, a scale factor subfield, and a channel state information (CSI) feedback (FB) bit size subfield.

9. The method of claim 7, wherein the sensing measurement report control field comprises a feedback bandwidth subfield, an I2R N_STS subfield, an R2I N_STS subfield, and a number of truncated channel impulse response (TCIR) taps subfield.

10. An apparatus comprising:

at least one processor and at least one machine-readable medium storing executable instructions which when executed by the at least one processor configure the apparatus for:

receiving, by an access point (AP), a request to transmit at least one sensing measurement report; and

transmitting, by the AP, a sensing measurement report frame comprising a category field, a public action field, and at least one measurement set-up identifier field and at least one sensing measurement report element.

11. The apparatus of claim 10, wherein the sensing measurement report frame comprises a category field, a public action field, a dialog token field, a measurement set-up identifier field, and a sensing measurement report element.

12. The apparatus of claim 10, wherein each of the category field, the public action field, the dialog token field, and the measurement set-up identifier field are one octet.

13. The apparatus of claim 10 or 11, wherein the sensing measurement report frame comprises a category field, a public action field, and a plurality of sensing measurement reports, each sensing measurement report of the plurality of sensing measurement reports comprising a measurement

set-up identifier field, a measurement instance identifier field, and a sensing measurement report field.

14. The apparatus of any of claims 10 to 12, wherein the sensing measurement report frame comprises a category field, a public action field, a measurement set-up identifier field, a measurement instance identifier field, and a plurality of sensing measurement reports, each sensing measurement report of the plurality of sensing measurement reports comprising a station identifier field and a sensing measurement report field.

15. The apparatus of claim 10, wherein each of the category field, the public action field, the dialog token field, and the measurement set-up identifier field are one octet.

16. The apparatus of any of claims 10 to 13, wherein the at least one sensing measurement report element comprises an element identifier field, a length field, an element identifier field, a sensing measurement report type field, a sensing measurement report control field, and a sensing measurement report field.

17. The apparatus of claim 16, wherein the sensing measurement report control field comprises a feedback bandwidth subfield, an initiator to responder (I2R) number of space time streams (N_STS) subfield, a responder to initiator (R2I) N_STS subfield, a number of subcarrier groups (Ng) subfield, a scale factor subfield, and a channel state information (CSI) feedback (FB) bit size subfield.

18. The apparatus of claim 16, wherein the sensing measurement report control field comprises a feedback bandwidth subfield, an I2R N_STS subfield, an R2I N_STS subfield, and a number of truncated channel impulse response (TCIR) taps subfield.

19. A non-transitory computer-readable medium storing executable instructions which when executed by a processor of a device configure the device for the method according to any one of claims 1 to 9.

20. A computer program, wherein the computer program comprises instructions used to implement the method according to any one of claims 1 to 9.