CLAIMS

1. A communication method, applied to a first multi-link device, wherein the method comprises:

sending a multi-link sensing measurement request frame to a second multi-link device, wherein the multi-link sensing measurement request frame is used to request to set up a sensing measurement session, and the sensing measurement session comprises one link or a plurality of links; and

receiving a multi-link sensing measurement response frame from the second multi-link device.

2. A communication method, applied to a second multi-link device, wherein the method comprises:

receiving a multi-link sensing measurement request frame from a first multi-link device, wherein the multi-link sensing measurement request frame is used to request to set up a sensing measurement session, and the sensing measurement session comprises one link or a plurality of links; and

sending a multi-link sensing measurement response frame to the first multi-link device.

3. The method according to claim 1 or 2, wherein the multi-link sensing measurement request frame comprises a sensing measurement parameter, and the sensing measurement parameter comprises a public parameter and/or a specific parameter, wherein the public parameter is a parameter shared by the link or the plurality of links, and the specific parameter is a dedicated parameter of a part of links in the link or the plurality of links.

4. The method according to claim 3, wherein the public parameter comprises recommended report link information, and the recommended report link information indicates a link for reporting sensing data.

5. The method according to claim 3 or 4, wherein the public parameter comprises session setup condition information, and the session setup condition information indicates a condition for successfully setting up the sensing measurement session.

6. The method according to claim 5, wherein the public parameter comprises mandatory link information, and the mandatory link information indicates a mandatory link for successfully setting up the sensing measurement session.

7. The method according to any one of claims 3 to 6, wherein the specific parameter comprises identification information of the part of links.

8. The method according to claim 1 or 2, wherein the multi-link sensing measurement request frame comprises a sensing subelement, and the sensing subelement comprises a public parameter

and/or a specific parameter, wherein the public parameter is a parameter shared by the plurality of links, and the specific parameter is a dedicated parameter of a part of links in the plurality of links.

9. The method according to claim 8, wherein the public parameter comprises reference time window information, and the reference time window is used to determine a sensing time window of each of the link or the plurality of links, wherein the sensing time window is used to perform sensing measurement exchange.

10. The method according to claim 8, wherein the specific parameter comprises:

identification information of the part of links and sensing time window information corresponding to each link in the part of links, wherein the sensing time window is used to perform sensing measurement exchange.

11. The method according to claim 8 or 9, wherein the public parameter comprises the reference time window information; and

the specific parameter comprises identification information of the part of links and time window offset information, and the time window offset information indicates an offset of the sensing time window of the part of links relative to the reference time window.

12. The method according to claim 8 or 9, wherein the public parameter comprises the reference time window information; and

the specific parameter comprises identification information of the part of links and time window mode information, wherein the time window mode information indicates whether the sensing time window of the part of links is the same as the reference time window.

13. The method according to claim 8, wherein the specific parameter comprises:

identification information of the part of links and common time window indication information, and the common time window indication information indicates whether a sensing time window of a first link is capable of being used to determine a sensing time window of another link in the plurality of links.

14. The method according to any one of claims 1 to 13, wherein the multi-link sensing measurement request frame comprises recommended link information, and the recommended link information indicates one link or a plurality of links used by the second multi-link device to send a sensing measurement query frame, wherein the sensing measurement query frame indicates that the second multi-link device requests to participate in sensing measurement.

15. The method according to claim 14, wherein the recommended link information is carried in a sensing comeback information field.

16. The method according to any one of claims 1 to 15, wherein

the multi-link sensing measurement response frame comprises first indication information and second indication information, wherein the first indication information indicates that a part of

links in a plurality of links comprised in the second multi-link device supports setup of the sensing measurement session, and the second indication information comprises identification information of the part that is of links and that supports setup of the sensing measurement session.

17. The method according to claim 16, wherein the first indication information is carried in a status code field.

18. A communication apparatus, wherein the communication apparatus comprises a processor and a memory, and the memory is configured to store computer instructions; and when the processor executes the instructions, the communication apparatus is enabled to perform the method according to any one of claims 1 to 17.

19. A computer-readable storage medium, wherein the computer-readable storage medium comprises a computer program or instructions; and when the computer program or the instructions are run by a processor, an apparatus comprising the processor is enabled to perform the method according to any one of claims 1 to 17.

20. A chip, wherein the chip comprises a processor, and the processor is configured to run instructions, to enable an apparatus comprising the chip to perform the method according to any one of claims 1 to 17.