**CLAIMS**

1. A wireless transmit/receive unit (WTRU), comprising:

a processor and memory configured to:

receive configuration information indicating a first resource pool and a second resource pool,

wherein the first resource pool allows for multiplexing of sidelink positioning reference signals (SL-PRSs) with sidelink data, and wherein the second resource pool does not allow for multiplexing SL-PRSs with sidelink data;

transmit a message indicating a request for positioning support;

receive sidelink control information (SCI),

wherein the SCI comprises an indication that a transmission comprises one or more SL-PRSs and a priority associated with the one or more SL-PRSs; and

receive the one or more SL-PRSs via resources associated with the first resource pool.

2. The WTRU of claim 1, wherein the indication that the transmission comprises one or more SL-PRSs comprises a bitfield to indicate the availability of the one or more SL-PRSs.

3. The WTRU of claim 1, wherein the processor and memory are configured to:

send measurements associated with the one or more SL-PRSs.

4. The WTRU of claim 1, wherein the processor and memory are configured to:

decode transmissions associated with the first resource pool in accordance with the SCI.

5. The WTRU of claim 1, wherein the processor and memory are configured to:

receive the SCI associated with the one or more SL-PRSs via the resources associated with the first resource pool.

6. A method performed by a wireless transmit/receive unit (WTRU), the method comprising:

receiving configuration information indicating a first resource pool and a second resource pool,

wherein the first resource pool allows for multiplexing of sidelink positioning reference signals (SL-PRSs) with sidelink data, and wherein the second resource pool does not allow for multiplexing SL-PRSs with sidelink data;

transmitting a message indicating a request for positioning support;

receiving sidelink control information (SCI),

wherein the SCI comprises an indication that a transmission comprises one or more SL-PRSs and a priority associated with the one or more SL-PRSs; and

receiving the one or more SL-PRSs via resources associated with the first resource pool.

7. The method of claim 6, wherein the indication that the transmission comprises one or more SL-PRSs comprises a bitfield to indicate the availability of the one or more SL-PRSs.

8. The method of claim 6, further comprising:

sending measurements associated with the one or more SL-PRSs.

9. The method of claim 6, further comprising:

decoding transmissions associated with the first resource pool in accordance with the SCI.

10. The method of claim 6, further comprising:

receiving the SCI associated with the one or more SL-PRSs via the resources associated with the first resource pool.

11. The method of claim 6, wherein the configuration information further indicates information associated with the one or more SL-PRSs.

12. The method of claim 11, wherein the information associated with the one or more SL-PRSs comprises a pattern associated with the one or more SL-PRSs.

13. The method of claim 11, wherein the information associated with the one or more SL-PRSs comprises time and frequency resources associated with transmissions of the one or more SL-PRSs.

14. The method of claim 11, wherein the information associated with the one or more SL-PRSs comprises a SL-PRS resource element offset, a SL-PRS symbol offset, or a number of SL-PRS symbols.

15. The WTRU of claim 6, wherein the configuration information further indicates information associated with the one or more SL-PRSs.

16. The WTRU of claim 15, wherein the information associated with the one or more SL-PRSs comprises a pattern associated with the one or more SL-PRSs.

17. The WTRU of claim 15, wherein the information associated with the one or more SL-PRSs comprises time and frequency resources associated with transmissions of the one or more SL-PRSs.

18. The WTRU of claim 15, wherein the information associated with the one or more SL-PRSs comprises a SL-PRS resource element offset, a SL-PRS symbol offset, or a number of SL-PRS symbols.