CLAIMS:

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

a processor configured to:

receive, from a network, configuration information, wherein the configuration information indicates first measurement parameters and second measurement parameters, wherein the first measurement parameters are associated with a height-based condition;

determine, based on a height of the WTRU, that the height-based condition associated with the first measurement parameters is satisfied;

determine, based on the height-based condition being satisfied, to measure a first set of beams associated with the first measurement parameters and to not measure a second set of beams associated with the second measurement parameters; and

send, to the network, measurements of the first set of beams associated with the first measurement parameters.

2. The WTRU of claim 1, wherein the second measurement parameters is associated with a second height-based condition that is different from the height-based condition associated with the first measurement parameters.

3. The WTRU of claim 1, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold.

4. The WTRU of claim 1, wherein the processor is configured to:

determine, further based on a hysteresis height value associated with the first measurement parameters, to measure the first set of beams associated with the first measurement parameters and to not measure the second set of beams associated with the second measurement parameters.

5. The WTRU of claim 1, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold, and wherein the height-based condition comprises a hysteresis height value.

6. The WTRU of claim 1, wherein the processor is further configured to determine the first set of beams associated with the first measurement parameters to measure based on a synchronization signal block (SSB) resource set associated with the first measurement parameters.

7. The WTRU of claim 1, wherein the second measurement parameters is a default measurement configuration.

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

receiving from a network, configuration information, wherein the configuration information indicates first measurement parameters and second measurement parameters, wherein the first measurement parameters are associated with a height-based condition;

determining, based on a height of the WTRU, that the height-based condition associated with the first measurement parameters is satisfied;

determining, based on the height-based condition being satisfied, to measure a first set of beams associated with the first measurement parameters and to not measure a second set of beams associated with the second measurement parameters; and

sending, to the network, measurements of the first set of beams associated with the first measurement parameters.

9. The method of claim 8, wherein the second measurement parameters is associated with a second height-based condition that is different from the height-based condition associated with the first measurement parameters.

10. The method of claim 8, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold.

11. The method of claim 8, comprising:

determining, further based on a hysteresis height value associated with the first measurement parameters, to measure the first set of beams associated with the first measurement parameters and to not measure the second set of beams associated with the second measurement parameters.

12. The method of claim 8, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold, and wherein the height-based condition comprises a hysteresis height value.

13. The method of claim 8, further comprising:

determining the first set of beams associated with the first measurement parameters to measure based on a synchronization signal block (SSB) resource set associated with the first measurement parameters.

14. The method of claim 8, wherein the second measurement parameters is a default measurement configuration.

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

a processor configured to:

receive, from a network, an RRC message comprising configuration information, wherein the configuration information comprises a plurality of measurement configurations, wherein a measurement configurations of the plurality of measurement configurations is associated with a height-based condition;

determine the measurement configuration of the plurality of measurement configurations based on a height of the WTRU and the height-based condition associated with the measurement configuration;

determine, based on the height of the WTRU and the height-based condition associated with the measurement configuration, that a first measurement parameter is not applicable to the WTRU and that a second measurement parameter associated with the measurement configuration is applicable to the WTRU;

measure one or more beams according to the second measurement parameter; and

send the measurements of the one or more beams to the network.

16. The WTRU of claim 15, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold.

17. The WTRU of claim 15, wherein the processor is configured to:

determine the measurement configuration of the plurality of measurement configurations based on (i) the height-based condition associated with the measurement configuration and (ii) a hysteresis height value associated with the measurement configuration.

18. The WTRU of claim 15, wherein the height-based condition comprises a height of the WTRU being between a first height threshold and a second height threshold, and based on a hysteresis height value associated with the measurement configuration.

19. The WTRU of claim 15, wherein the processor is further configured to determine the one or more beams to measure based on a synchronization signal block (SSB) resource set.

20. The WTRU of claim 15, wherein at least a subset of the measurement configurations of the plurality of measurement configurations is associated with a respective height based condition.