CLAIMS

~~WHAT IS CLAIMED IS:~~

1. A method of wireless communication, comprising:

communicating~~ in~~, by a ~~wireless network based on~~user equipment (UE), with a configured set of one or more transmission points (TRPs~~);~~) in a wireless network;

identifying, by the UE, at least one additional TRP transmitting signals received by the UE;

notifying, by the UE, one or more of the TRPs in the configured set of one or more TRPs of the at least one additional TRP;

receiving an instruction to ~~modify the set of one or more TRPs, wherein receiving the instruction comprises receiving the instruction to~~ switch a bandwidth part (BWP) used to communicate in the wireless network~~, wherein the BWP corresponds to modifying the set of one or more TRPs~~ to a different BWP;

identifying, based on the instruction to switch the BWP, a set of one or more TRPs associated with the different BWP, wherein the set of one or more TRPs identified based on the instruction to switch the BWP is different than the configured set of one or more TRPs;

modifying, based on the instruction to switch the BWP, the configured set of one or more TRPs to generate a modified set of one or more TRPs including the set of one or more TRPs associated with the different BWP, wherein modifying the configured set of one or more TRPs includes generating the modified set of one or more TRPs to at least one of add at least one TRP from the set of one or more TRPs that is not in the configured set of one or more TRPs or remove at least one TRP from the configured set of one or more TRPs that is not in the set of one or more TRPs; and

communicating~~ ~~, by the UE, with the modified set of one or more TRPs in the wireless network~~ based on the modified set of one or more TRPs~~.

2. The method of claim 1, wherein modifying the configured set of one or more TRPs to generate the modified set of one or more TRPs to add the at least one TRP from the set of one or more TRPs includes~~, based on receiving the instruction to switch the BWP, at least one of~~ activating communications with the at least one TRP~~ ~~, or wherein modifying the configured set of one or more TRPs to generate the modified set of one or more TRPs ~~or~~to remove the at

least one TRP from the configured set of one or more TRPs includes deactivating communications with the at least one TRP ~~in the configured set of one or more TRPs to generate the modified set of one or more TRPs~~.

3. The method of claim 2, wherein the different BWP corresponds to multiple TRPs, and wherein modifying the configured set of one or more TRPs includes activating or deactivating communications with the at least one TRP to generate the modified set of one or more TRPs to include the multiple TRPs.

4. The method of claim 1, wherein the instruction includes identifiers associated with a control resource set (CORESET) to indicate the set of one or more TRPs associated with the different BWP, and wherein modifying the configured set of one or more TRPs is based on the identifiers associated with the CORESET.

5. The method of claim 1, wherein modifying the set of one or more TRPs includes modifying the configured set of one or more TRPs to generate the modified set of one or more TRPs to use based on a timer value, and ~~further comprising~~wherein communicating with the modified set of one or more TRPs in the wireless network~~,~~ occurs after expiration of the timer value~~, using the configured set of one or more TRPs~~.

6. The method of claim 1, wherein receiving the instruction comprises receiving downlink control information (DCI) indicating the instruction to switch the BWP.

7. The method of claim 1, ~~further comprising:~~

~~identifying at least one additional TRP; and~~

~~notifying one or more TRPs in the configured set of one or more TRPs of the at least one additional TRP,~~

wherein the instruction to ~~modify~~switch the ~~set of one or more TRPs~~BWP indicates to activate communications with the at least one additional TRP, and wherein modifying the configured set of one or more TRPs includes activating communications with the at least one additional TRP in the modified set of one or more TRPs.

8. An apparatus for wireless communication, comprising:

a transceiver;

a memory configured to store instructions related to configuring a set of one or more transmission points (TRPs); and

one or more processors communicatively coupled with the transceiver and the memory, wherein the one or more processors are configured to:

communicate ~~in a wireless network based on~~ , by the apparatus, with a configured set of one or more transmission points (TRPs~~);~~) in a wireless network;

identify, by the apparatus, at least one additional TRP transmitting signals received by the apparatus;

notify, by the apparatus, one or more of the TRPs in the configured set of one or more TRPs of the at least one additional TRP;

receive an instruction to ~~modify the set of one or more TRPs, wherein receiving the instruction comprises receiving the instruction to~~ switch a bandwidth part (BWP) used to communicate in the wireless network~~, wherein the~~ to a different BWP ~~corresponds to modifying the set of one or more TRPs~~;

identifying, based on the instruction to switch the BWP, a set of one or more TRPs associated with the different BWP, wherein the set of one or more TRPs identified based on the instruction to switch the BWP is different than the configured set of one or more TRPs;

modify, based on the instruction to switch the BWP, the configured set of one or more TRPs to generate a modified set of one or more TRPs including the set of one or more TRPs associated with the different BWP, wherein the one or more processors are configured to modify the configured set of one or more TRPs at least in part by generating the modified set of one or more TRPs to at least one of add at least one TRP from the set of one or more TRPs that is not in the configured set of one or more TRPs or remove at least one TRP from the configured set of one or more TRPs that is not in the set of one or more TRPs; and

communicate ~~-~~, by the apparatus, with the modified set of one or more TRPs in the wireless network ~~based on the modified set of one or more TRPs~~.

9. The apparatus of claim 8, wherein the one or more processors are configured to modify the configured set of one or more TRPs to generate the modified set of one or more TRPs

to add the at least one TRP from the set of one or more TRPs at least in part by~~, based on receiving the instruction to switch the BWP, at least one of~~ activating communications with the at least one TRP~~-~~, or wherein the one or more processors are configured to modify the configured set of one or more TRPs to generate the modified set of one or more TRPs ~~or~~to remove the at least one TRP from the configured set of one or more TRPs at least in part by deactivating communications with at least one TRP in the configured set of one or more TRPs~~ to generate the modified set of one or more TRPs~~.

10. The apparatus of claim 9, wherein the different BWP corresponds to multiple TRPs, and wherein the one or more processors are configured to modify the configured set of one or more TRPs at least in part by activating or deactivating communications with the at least one TRP to generate the modified set of one or more TRPs to include the multiple TRPs.

11. The apparatus of claim 8, wherein the instruction includes identifiers associated with a control resource set (CORESET) to indicate the set of one or more TRPs associated with the different BWP, and wherein the one or more processors are configured to modify the configured set of one or more TRPs based on the identifiers associated with the CORESET.

12. The apparatus of claim 8, wherein the one or more processors are configured to modify the configured set of one or more TRPs to generate the modified set of one or more TRPs to use based on a timer value, and wherein the one or more processors are ~~further~~ configured to communicate with the modified set of one or more TRPs in the wireless ~~network,~~ after expiration of the timer value~~, using the configured set of one or more TRPs~~.

13. The apparatus of claim 8, wherein the one or more processors are configured to receive the instruction in downlink control information (DCI) indicating the instruction to switch the BWP.

14. The apparatus of claim 8, ~~wherein the one or more processors are further configured to:~~

~~identify at least one additional TRP; and~~

~~notify one or more TRPs in the configured set of one or more TRPs of the at least one additional TRP,~~

wherein the instruction to ~~modify~~switch the ~~set of one or more TRPs~~BWP indicates to activate communications with the at least one additional TRP, and wherein the one or more processors are configured to modify the configured set of one or more TRPs at least in part by activating communications with the at least one additional TRP in the modified set of one or more TRPs.

15. An apparatus for wireless communication, comprising:

means for communicating ~~in a wireless network based on~~, by the apparatus, with a configured set of one or more transmission points (TRPs~~);~~) in a wireless network;

means for identifying, by the apparatus, at least one additional TRP transmitting signals received by the apparatus;

means for notifying, by the apparatus, one or more of the TRPs in the configured set of one or more TRPs of the at least one additional TRP;

means for receiving an instruction to ~~modify the set of one or more TRPs, wherein receiving the instruction comprises receiving the instruction to~~ switch a bandwidth part (BWP) used to communicate in the wireless network~~, wherein the BWP corresponds to modifying the set of one or more TRPs~~ to a different BWP;

means for identifying, based on the instruction to switch the BWP, a set of one or more TRPs associated with the different BWP, wherein the set of one or more TRPs identified based on the instruction to switch the BWP are different than the configured set of one or more TRPs;

means for modifying, based on the instruction to switch the BWP, the configured set of one or more TRPs to generate a modified set of one or more TRPs including the set of one or more TRPs associated with the different BWP, wherein modifying the configured set of one or more TRPs includes generating the modified set of one or more TRPs to at least one of add at least one TRP from the set of one or more TRPs that is not in the configured set of one or more TRPs or remove at least one TRP from the configured set of one or more TRPs that is not in the set of one or more TRPs; and

means for communicating, by the apparatus, with the modified set of one or more TRPs in the wireless network ~~based on the modified set of one or more TRPs~~.

16. A non-transitory computer-readable medium, comprising code executable by one or more processors for wireless communications, the code comprising code for:

communicating ~~in a wireless network based on~~, by a user equipment (UE), with a configured set of one or more transmission points (TRPs~~);~~) in a wireless network;

identifying, by the UE, at least one additional TRP transmitting signals received by the UE;

notifying, by the UE, one or more of the TRPs in the configured set of one or more TRPs of the at least one additional TRP;

receiving an instruction to ~~modify the set of one or more TRPs, wherein receiving the instruction comprises receiving the instruction to~~ switch a bandwidth part (BWP) used to communicate in the wireless network~~, wherein the BWP corresponds to modifying the set of one or more TRPs~~ to a different BWP;

identifying, based on the instruction to switch the BWP, a set of one or more TRPs associated with the different BWP, wherein the set of one or more TRPs identified based on the instruction to switch the BWP are different than the configured set of one or more TRPs;

modifying, based on the instruction to switch the BWP, the configured set of one or more TRPs to generate a modified set of one or more TRPs including the set of one or more TRPs associated with the different BWP, wherein modifying the configured set of one or more TRPs includes generating the modified set of one or more TRPs to at least one of add at least one TRP from the set of one or more TRPs that is not in the configured set of one or more TRPs or remove at least one TRP from the configured set of one or more TRPs that is not in the set of one or more TRPs; and

communicating, by the UE, with the modified set of one or more TRPs in the wireless network ~~based on the modified set of one or more TRPs~~.

17. A method of wireless communication, comprising:

configuring a user equipment (UE) with a configured set of one or more transmission points (TRPs) for communicating in a wireless network; ~~and~~

receiving, from the UE, identification of at least one additional TRP transmitting signals received by the UE;

transmitting, to the UE, an instruction to ~~modify the~~ switch a bandwidth part (BWP) used to communicate in the wireless network to a different BWP, wherein the different BWP is associated with a second set of one or more TRPs ~~to at least one of~~ that at least one of includes at least one TRP that is not in the configured set of one or more TRPs causing the UE to activate communications with the at least one TRP ~~to the~~ or does not include at least one TRP that is in

the configured set of one or more TRPs ~~or~~ causing the UE to deactivate communications with the at least one TRP ~~from the set of one or more TRPs,~~

~~wherein transmitting the instruction includes transmitting the instruction to switch a bandwidth part (BWP) used to communicate in the wireless network,~~, and wherein the different BWP ~~corresponds to~~is associated with a single TRP or multiple TRPs.

18. The method of claim 17, wherein the instruction includes identifiers associated with a control resource set (CORESET) to indicate the at least one TRP associated with the different BWP.

19. The method of claim 17, wherein the instruction relates to activating communications with the at least one TRP where the different BWP ~~corresponds to~~is associated with the multiple TRPs.

20. The method of claim 17, wherein the instruction relates to deactivating communications with the at least one TRP where the different BWP corresponds to the single TRP.

21. The method of claim 17, wherein transmitting the instruction includes transmitting the instruction in downlink control information (DCI) in a downlink control channel.

22. The method of claim 17, further comprising receiving, from the UE, an indication of the at least one ~~additional~~ TRP, wherein transmitting the instruction ~~to modify the set of one or more TRPs~~ is based on receiving the indication.

23. An apparatus for wireless communication, comprising:

a transceiver;

a memory configured to store instructions related to configuring a set of one or more transmission points (TRPs); and

one or more processors communicatively coupled with the transceiver and the memory, wherein the one or more processors are configured to:

configure a user equipment (UE) with a configured set of one or more transmission points (TRPs) for communicating in a wireless network; ~~and~~

receive, from the UE, identification of at least one additional TRP transmitting signals received by the UE;

transmit, to the UE, an instruction to ~~modify the~~ switch a bandwidth part (BWP) used to communicate in the wireless network to a different BWP, wherein the different BWP is associated with a second set of one or more TRPs ~~to at least one of~~ that at least one of includes at least one TRP that is not in the configured set of one or more TRPs causing the UE to activate communications with the at least one TRP ~~to the set of one or more TRPs~~associated or does not include at least one TRP that is in the configured set of one or more TRPs causing the UE to deactivate communications with the at least one TRP ~~from the set of one or more TRPs,~~

~~wherein the one or more processors are configured to transmit the instruction to switch a bandwidth part (BWP) used to communicate in the wireless network,~~, and wherein the different BWP ~~corresponds to~~is associated with a single TRP or multiple TRPs.

24. The apparatus of claim 23, wherein the instruction includes identifiers associated with a control resource set (CORESET) to indicate the at least one TRP.

25. The apparatus of claim 23, wherein the instruction relates to activating communications with the at least one TRP where the different BWP corresponds to the multiple TRPs.

26. The apparatus of claim 23, wherein the instruction relates to deactivating communications with the at least one TRP where the different BWP corresponds to the single TRP.

27. The apparatus of claim 23, wherein the one or more processors are configured to transmit the instruction in downlink control information (DCI) in a downlink control channel.

28. The apparatus of claim 23, wherein the one or more processors are further configured to receive, from the UE, an indication of the at least one ~~additional~~ TRP, wherein the one or more processors are configured to transmit the instruction ~~to modify the set of one or more TRPs~~ based on receiving the indication.

29. An apparatus for wireless communication, comprising:

means for configuring a user equipment (UE) with a configured set of one or more transmission points (TRPs) for communicating in a wireless network; ~~and~~

means for receiving, from the UE, identification of at least one additional TRP transmitting signals received by the UE;

means for transmitting, to the UE, an instruction to ~~modify the~~ switch a bandwidth part (BWP) used to communicate in the wireless network to a different BWP, wherein the different BWP is associated with a second set of one or more TRPs ~~to at least one of~~ that at least one of includes at least one TRP that is not in the configured set of one or more TRPs causing the UE to activate communications with the at least one TRP ~~to the~~ or does not include at least one TRP that is in the configured set of one or more TRPs ~~or~~ causing the UE to deactivate communications with the at least one TRP ~~from the set of one or more TRPs,~~

~~wherein the means for transmitting transmits the instruction to switch a bandwidth part (BWP) used to communicate in the wireless network,~~, and wherein the different BWP ~~corresponds to~~is associated with a single TRP or multiple TRPs.

30. A non-transitory computer-readable medium, comprising code executable by one or more processors for wireless communications, the code comprising code for:

configuring a user equipment (UE) with a configured set of one or more transmission points (TRPs) for communicating in a wireless network; ~~and~~

receiving, from the UE, identification of at least one additional TRP transmitting signals received by the UE;

transmitting, to the UE, an instruction to ~~modify the~~ switch a bandwidth part (BWP) used to communicate in the wireless network to a different BWP, wherein the different BWP is associated with a second set of one or more TRPs ~~to at least one of~~ that at least one of includes at least one TRP that is not in the configured set of one or more TRPs causing the UE to activate communications with the at least one TRP ~~to the~~ or does not include at least one TRP that is in the configured set of one or more TRPs ~~or~~ causing the UE to deactivate communications with the at least one TRP ~~from the set of one or more TRPs,~~

~~wherein the code for transmitting transmits the instruction to switch a bandwidth part (BWP) used to communicate in the wireless network,~~, and wherein the different BWP ~~corresponds to~~is associated with a single TRP or multiple TRPs.