~~WHAT IS CLAIMED IS:~~

CLAIMS

1. A method of wireless communication performed by a base station, comprising:

determining a plurality of anchor channels, wherein a first anchor channel of the plurality of anchor channels includes at least one narrowband synchronization signal, and wherein at least two anchor channels of the plurality of anchor channels include at least one of a ~~broadcast channel or an information block;~~ narrowband broadcast channel or a narrowband information block; simultaneously transmitting the plurality of anchor channels to at least one user equipment (UE), the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; and communicating with the at least one UE based at least in part on the plurality of anchor channels.

~~simultaneously transmitting the plurality of anchor channels to at least one user equipment (UE); and~~

~~communicating with the at least one UE based at least in part on the plurality of anchor channels.~~

2. The method of claim 1, wherein the first anchor channel is one of the at least two anchor channels that include the at least one of the narrowband broadcast channel or the narrowband information block.

3. The method of claim 1, wherein the plurality of anchor channels are simultaneously transmitted in a first transmission, and wherein the method further comprises:

simultaneously transmitting the plurality of anchor channels in a second transmission after the first transmission.

4. The method of claim 3, wherein the first transmission is in a first hopping frame, and wherein the second transmission is in a second hopping frame.

5. The method of claim 3, wherein the narrowband information block included in the first transmission includes a first information block and a second information block of an information block cycle, and wherein ~~an~~a narrowband information block included in the second transmission is a third information block and a fourth information block of the information block cycle.

6. The method of claim 1, wherein the plurality of anchor channels are transmitted periodically or repeatedly.

7. The method of claim 1, wherein the narrowband information block includes a self-decodable master information block.

8. The method of claim 1, wherein at least one of the at least one narrowband synchronization signal, the narrowband broadcast channel, or the narrowband information block is a discovery reference signal.

9. The method of claim 1, wherein the plurality of anchor channels comprises discovery reference signal channels.

10. The method of claim 1, wherein the narrowband information block identifies a frequency hopping whitelist for the at least one UE.

11. The method of claim 1, wherein the at least one narrowband synchronization signal is transmitted in the first anchor channel, the narrowband information block is a first information block and is transmitted in a second anchor channel of the plurality of anchor channels, and a second information block comprising a master information block is transmitted with the narrowband broadcast channel in a third anchor channel of the plurality of anchor channels.

12. The method of claim 1, wherein the at least one narrowband synchronization signal indicates a configuration of the plurality of anchor channels.

13. The method of claim 12, wherein the at least one narrowband synchronization signal indicates the configuration of the plurality of anchor channels based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

14. A base station for wireless communication, comprising:

a memory; and

at least one processor operatively coupled to the memory, the memory and the at least one processor configured to:

determine a plurality of anchor channels, wherein a first anchor channel of the plurality of anchor channels includes at least one narrowband synchronization signal, and wherein at least two anchor channels of the plurality of anchor channels include at least one of a ~~broadcast channel or an information block;~~ narrowband broadcast channel or a narrowband information block; simultaneously transmit the plurality of anchor channels to at least one user equipment (UE), the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; and communicate with the at least one UE based at least in part on the plurality of anchor channels.

~~simultaneously transmit the plurality of anchor channels to at least one user equipment (UE); and~~

~~communicate with the at least one UE based at least in part on the plurality of anchor channels.~~

15. The base station of claim 14, wherein the first anchor channel is one of the at least two anchor channels that include the at least one of the narrowband broadcast channel or the narrowband information block.

16. The base station of claim 14, wherein the plurality of anchor channels are simultaneously transmitted in a first transmission, and wherein the at least one ~~or more processors are~~processor is further to:

simultaneously transmit the plurality of anchor channels in a second transmission after the first transmission.

17. The base station of claim 16, wherein the first transmission is in a first hopping frame, and wherein the second transmission is in a second hopping frame.

18. The base station of claim 16, wherein the narrowband information block included in the first transmission includes a first information block and a second information block of an information block cycle, and wherein ~~an~~a narrowband information block included in the second transmission is a third information block and a fourth information block of ~~an~~the information block cycle.

19. The base station of claim 14, wherein the plurality of anchor channels are transmitted periodically or repeatedly.

20. The base station of claim 14, wherein the narrowband information block includes a self-decodable master information block.

21. The base station of claim 14, wherein at least one of the at least one narrowband synchronization signal, the narrowband broadcast channel, or the narrowband information block is a discovery reference signal.

22. The base station of claim 14, wherein the plurality of anchor channels comprises discovery reference signal channels.

23. The base station of claim 14, wherein the narrowband information block identifies a frequency hopping whitelist for the at least one UE.

24. The base station of claim 14, wherein the at least one narrowband synchronization signal indicates a configuration of the plurality of anchor channels.

25. The base station of claim 24, wherein the at least one narrowband synchronization signal indicates the configuration of the plurality of anchor channels based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

26. The base station of claim 14, wherein the at least one narrowband synchronization signal is transmitted in the first anchor channel, the narrowband information block is a first information block and is transmitted in a second anchor channel of the plurality of anchor channels, and a second information block comprising a master information block is transmitted with the narrowband broadcast channel in a third anchor channel of the plurality of anchor channels.

27. A non-transitory computer-readable medium storing one or more instructions for wireless communication,

the one or more instructions, when executed by one or more processors of a base station, causing the one or more processors to:

determine a plurality of anchor channels, wherein a first anchor channel of the plurality of anchor channels includes at least one narrowband synchronization signal, and wherein at least two anchor channels of the plurality of anchor channels include at least of a ~~broadcast channel or an information block;~~ narrowband broadcast channel or a narrowband information block;

simultaneously transmit the plurality of anchor channels to at least one user equipment (UE), the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; and communicate with the at least one UE based at least in part on the plurality of anchor channels.

~~simultaneously transmit the plurality of anchor channels to at least one user equipment (UE); and~~

~~communicate with the at least one UE based at least in part on the plurality of anchor channels.~~

28. The non-transitory computer-readable medium of claim 27, wherein the at least one narrowband synchronization signal indicates a configuration of the plurality of anchor channels.

29. The- non-transitory computer-readable medium of claim 28, wherein the at least one narrowband synchronization signal indicates the configuration of the plurality of anchor channels based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

30. An apparatus for wireless communication, comprising:

means for determining a plurality of anchor channels, wherein a first anchor channel of the plurality of anchor channels includes at least one narrowband synchronization signal, and wherein at least two anchor channels of the plurality of anchor channels include at least one of a narrowband broadcast channel or ~~an~~a narrowband information block;

means for simultaneously transmitting the plurality of anchor channels to at least one user equipment (UE~~); and~~

), the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; and means for communicating with the at least one UE based at least in part on the plurality of anchor channels.

31. The apparatus of claim 30, wherein the at least one narrowband synchronization signal indicates a configuration of the plurality of anchor channels.

32. The apparatus of claim 31, wherein the at least one narrowband synchronization signal indicates the configuration of the plurality of anchor channels based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

33. A method of wireless communication performed by a user equipment (UE), comprising:

receiving at least one narrowband synchronization signal on a first anchor channel, wherein the first anchor channel is one of a plurality of anchor channels that were simultaneously transmitted~~;~~

, the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; receiving at least one of a narrowband broadcast channel or ~~an~~a narrowband information block on the first anchor channel and at least one other anchor channel of the plurality of anchor channels; and performing a synchronization operation based at least in part on the at least one narrowband synchronization signal.

~~performing a synchronization operation based at least in part on the synchronization signal.~~

34. The method of claim 33, wherein the at least one narrowband synchronization signal is received in a first transmission of the plurality of anchor channels, and wherein the at least one of the narrowband broadcast channel or the narrowband information block is received on the at least one other anchor channel in a second transmission of the plurality of anchor channels.

35. The method of claim 34, wherein the at least one of the narrowband broadcast channel or the narrowband information block is received in the second transmission based at least in part on reception of the at least one of the narrowband broadcast channel or the narrowband information block on the first anchor channel in the first transmission being unsuccessful.

36. The method of claim 33, further comprising:

tuning to the at least one other anchor channel to receive the at least one of the narrowband broadcast channel or the narrowband information block.

37. The method of claim 33, wherein the plurality of anchor channels is transmitted periodically or repeatedly.

38. The method of claim 33, wherein the narrowband information block includes a self-decodable master information block.

39. The method of claim 33, wherein at least one of the at least one narrowband synchronization signal, the narrowband broadcast channel, or the narrowband information block is a discovery reference signal.

40. The method of claim 33, wherein the plurality of anchor channels comprises discovery reference signal channels.

41. The method of claim 33, wherein the narrowband information block identifies a frequency hopping whitelist for the UE.

42. The method of claim 33, further comprising:

determining a configuration of the plurality of anchor channels based at least in part on the at least one narrowband synchronization signal.

43. The method of claim 42, wherein the determination is based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

44. A user equipment (UE) for wireless communication, comprising:

a memory; and

at least one processor operatively coupled to the memory, the memory and the at least one processor to:

receive at least one narrowband synchronization signal on a first anchor channel, wherein the first anchor channel is one of a plurality of anchor channels that were simultaneously transmitted~~;~~

, the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; receive at least one of a narrowband broadcast channel or ~~an~~a narrowband information block on the first anchor channel and at least one other anchor channel of the plurality of anchor channels; and perform a synchronization operation based at least in part on the at least one narrowband synchronization signal.

~~perform a synchronization operation based at least in part on the at least one synchronization signal.~~

45. The UE of claim 44, wherein the at least one narrowband synchronization signal is received in a first transmission of the plurality of anchor channels, and wherein the at least one of the narrowband broadcast channel or the narrowband information block are received on the at least one other anchor channel in a second transmission of the plurality of anchor channels.

46. The UE of claim 45, wherein the at least one of the narrowband broadcast channel or the narrowband information block are received in the second transmission based at least in part on reception of the at least one of the narrowband broadcast channel or the narrowband information block on the first anchor channel in the first transmission being unsuccessful.

47. The UE of claim 44, wherein the at least one ~~or more processors are~~processor is further to:

tune to the at least one other anchor channel to receive the at least one of the narrowband broadcast channel or the narrowband information block.

48. The UE of claim 44, wherein the plurality of anchor channels are transmitted periodically or repeatedly.

49. The UE of claim 44, wherein the narrowband information block includes a self-decodable master information block.

50. The UE of claim 44, wherein at least one of the at least one narrowband synchronization signal, the narrowband broadcast channel, or the narrowband information block is a discovery reference signal.

51. The UE of claim 44, wherein the plurality of anchor channels comprises discovery reference signal channels.

52. The UE of claim 44, wherein the narrowband information block identifies a frequency hopping whitelist for the UE.

53. The UE of claim 44, wherein the at least one ~~or more processors are~~processor is further to:

determine a configuration of the plurality of anchor channels based at least in part on the at least one narrowband synchronization signal.

54. The UE of claim 53, wherein the determination is based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

55. A non-transitory computer-readable medium storing one or more instructions, ~~——~~ the one or more instructions, when executed by one or more processors of a ~~base station~~user equipment, causing the one or more processors to:

receive at least one narrowband synchronization signal on a first anchor channel, wherein the first anchor channel is one of a plurality of anchor channels that were simultaneously transmitted~~;~~, the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; receive at least one of a narrowband broadcast channel or a narrowband information block on the first anchor channel and at least one other anchor channel of the plurality of anchor channels; and perform a synchronization operation based at least in part on the at least one narrowband synchronization signal.

~~receive at least one of a broadcast channel or an information block on the first anchor channel and at least one other anchor channel of the plurality of anchor channels; and~~

~~perform a synchronization operation based at least in part on the at least one synchronization signal.~~

56. The non-transitory computer-readable medium of claim 55, wherein the one or more instructions, when executed by the one or more processors, cause the one or more processors to:

determine a configuration of the plurality of anchor channels based at least in part on the at least one narrowband synchronization signal.

57. The non-transitory computer-readable medium of claim 56, wherein the determination is based at least in part on a cyclic shift of the at least one narrowband synchronization signal.

58. An apparatus for wireless communication, comprising:

means for receiving at least one narrowband synchronization signal on a first anchor channel, wherein the first anchor channel is one of a plurality of anchor channels that were simultaneously transmitted~~;~~

, the plurality of anchor channels having a combined bandwidth that satisfies a minimum bandwidth requirement for an unlicensed frequency spectrum; means for receiving a narrowband broadcast channel and/or ~~an~~a narrowband information block on the first anchor channel and at least one other anchor channel of the plurality of anchor channels; and means for performing a synchronization operation based at least in part on the at least one narrowband synchronization signal.

~~means for performing a synchronization operation based at least in part on the synchronization signal.~~

59. The apparatus of claim 58, further comprising:

means for determining a configuration of the plurality of anchor channels based at least in part on the at least one narrowband synchronization signal.

60. The apparatus of claim 59, wherein the determination is based at least in part on a cyclic shift of the at least one narrowband synchronization signal.