CLAIMS

1. A method of wireless communication comprising:

selecting a reference signal configuration from a plurality of reference signal configurations, the plurality of reference signal configurations indicating a plurality of reference signal density configurations and a plurality of decoding processing timelines; and

transmitting, by a base station to a user equipment (UE), an indication of the reference signal configuration indicating a first reference signal density configuration and a decoding processing timeline for communicating with the UE.

2. The method of claim 1, wherein the plurality of reference signal density configurations comprise a plurality of reference signal positions and reference signal quantities within a transmit time interval.

3. The method of claim 1, further comprising:

transmitting, by the base station, a downlink data burst including reference signals and data in accordance with the first reference signal density configuration.

4. The method of claim 1, further comprising:

receiving, by the base station, an uplink data burst including reference signals and data in accordance with the first reference signal density configuration.

5. The method of claim 1, further comprising:

determining a Doppler characteristic associated with a wireless channel and the UE; and

communicating with the UE in accordance with the first reference signal density configuration and based at least in part on the Doppler characteristic.

6. The method of claim 1, further comprising:

determining that a Doppler characteristic associated with a wireless channel and the UE satisfies a first threshold, wherein the decoding processing timeline is associated with an extrapolation wireless channel estimation technique; and

communicating with the UE in accordance with the first reference signal density configuration and based at least in part on the Doppler characteristic.

7. The method of claim 1, further comprising:

determining that a Doppler characteristic associated with a wireless channel and the UE satisfies a second threshold, wherein the decoding processing timeline is associated with an interpolation wireless channel estimation technique; and

communicating with the UE in accordance with the first reference signal density configuration and based at least in part on the Doppler characteristic.

8. The method of claim 1, further comprising:

determining a Doppler characteristic associated with a wireless channel and the UE;

determining that the Doppler characteristic indicates a higher Doppler shift value than a previously-determined Doppler characteristic; and

determining a second reference signal density configuration based at least in part on the Doppler characteristic, the second reference signal density configuration having more reference signals per transmit time interval than the first reference signal density configuration.

9. The method of claim 1, wherein transmitting, by the base station to the UE, the indication of the reference signal configuration comprises:

transmitting, via a signaling radio bearer channel, the indication of the reference signal configuration.

10. A method of wireless communication comprising:

receiving, by user equipment (UE), an indication of a reference signal configuration indicating a first reference signal density configuration and a decoding processing timeline; and

receiving one or more reference signals and data in accordance with the reference signal configuration; and

decoding the data based at least in part on the decoding processing timeline.

11. The method of claim 10, further comprising:

determining a Doppler characteristic associated with a wireless channel and a base station, and

wherein receiving one or more reference signals and data comprises receiving the one or more reference signals and the data from the base station in accordance with the reference signal configuration and based at least in part on the Doppler characteristic.

12. The method of claim 10, wherein the first reference signal density configuration is indicated from a plurality of reference signal density configurations, the plurality of reference signal density configurations indicating a plurality of reference signal positions and reference signal quantities within a transmission time interval.

13. The method of claim 10, wherein the decoding processing timeline is indicated from a plurality of decoding processing timelines, the plurality of decoding processing timelines associated with extrapolation and interpolation wireless channel estimation techniques.

14. The method of claim 10, further comprising:

transmitting, by the UE, information related to Doppler effects measured by the UE, and wherein receiving the indication of the reference signal configuration is based at least in part on transmitting the information related to the Doppler effects.

15. The method of claim 10, wherein communicating with the base station comprises:

transmitting, by the UE, an uplink data burst including reference signals and data in accordance with the first reference signal density configuration.

16. The method of claim 10, further:

transmitting, by the UE, an indication of a suggested reference signal density configuration.

17. The method of claim 10, wherein receiving, by the UE, the indication of the reference signal configuration comprises:

receiving, via a signaling radio bearer channel, the indication of the reference signal configuration.

18. The method of claim 10, wherein receiving, by the UE, the indication of the reference signal configuration comprises:

receiving, via a resource grant from the base station, the indication of the reference signal configuration.

19. An apparatus for wireless communication, comprising:

a processor;

memory coupled with the processor; and

instructions stored in the memory and operable, when executed by the processor, to cause the apparatus to:

select a reference signal configuration from a plurality of reference signal configurations, the plurality of reference signal configurations indicating a plurality of reference signal density configurations and a plurality of decoding processing timelines; and

transmit, to a user equipment (UE), an indication of the reference signal configuration indicating a first reference signal density configuration and a decoding processing timeline for communicating with the UE.

20. An apparatus for wireless communication, comprising:

a processor;

memory coupled with the processor; and

instructions stored in the memory and operable, when executed by the processor, to cause the apparatus to:

receive an indication of a reference signal configuration indicating a first reference signal density configuration and a decoding processing timeline;

receive one or more reference signals and data in accordance with the reference signal configuration; and

decode the data based at least in part on the decoding processing timeline.