CLAIMS

1. A method for wireless communication, comprising:

detecting a set of reference signal bits associated with a demodulation reference signal (DMRS) transmission and a set of data bits associated with a data transmission on a physical data channel, wherein the set of reference signal bits comprise a timing indication of the physical data channel;

identifying a scrambling code for the set of data bits based at least in part on the set of reference signal bits; and

descrambling the set of data bits based at least in part on the identified scrambling code.

2. The method of claim 1, wherein the data transmission is transmitted using a physical broadcast channel (PBCH), and wherein the DMRS transmission is associated with the PBCH.

3. The method of claim 1, further comprising:

performing a cyclic redundancy check (CRC) verification process based at least in part on a set of CRC bits, wherein the set of CRC bits is computed based at least in part on both the set of reference signal bits and the set of data bits.

4. A method for wireless communication, comprising:

identifying a set of reference signal bits associated with a demodulation reference signal (DMRS) transmission and a set of data bits associated with a data transmission on a physical data channel, wherein the set of reference signal bits comprise a timing indication of the physical data channel;

identifying a scrambling code for the set of data bits based at least in part on the set of reference signal bits;

scrambling the set of data bits based at least in part on the identified scrambling code; and

transmitting the DMRS transmission and the data transmission.

5. The method of claim 4, further comprising:

calculating a set of cyclic redundancy check (CRC) bits based at least in part on both the set of reference signal bits and the set of data bits.

6. The method of claim 4, wherein:

the data transmission is transmitted using a physical broadcast channel (PBCH); and

the DMRS transmission is transmitted using resources reserved for DMRS transmissions, wherein the DMRS transmission is associated with the PBCH.

7. The method of claim 6, wherein the DMRS transmission conveys phase reference information associated with the physical data channel.

8. An apparatus for wireless communication, comprising:

means for identifying a set of reference signal bits associated with a demodulation reference signal (DMRS) transmission and a set of data bits associated with a data transmission on a physical data channel, wherein the set of reference signal bits comprise a timing indication of the physical data channel;

means for identifying a scrambling code for the set of data bits based at least in part on the set of reference signal bits;

means for scrambling the set of data bits based at least in part on the identified scrambling code; and

means for transmitting the DMRS transmission and the data transmission.

9. An apparatus for wireless communication, comprising:

a processor;

memory in electronic communication with the processor; and

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

identify a set of reference signal bits associated with a demodulation reference signal (DMRS) transmission and a set of data bits associated with a data transmission on a physical data channel, wherein the set of reference signal bits comprise

a timing indication of the physical data channel;

identify a scrambling code for the set of data bits based at least in part on the set of reference signal bits;

scramble the set of data bits based at least in part on the identified scrambling code; and

transmit the DMRS transmission and the data transmission.

10. The apparatus of claim 9, wherein the instructions are further executable by the processor to:

calculate a set of cyclic redundancy check (CRC) bits based at least in part on both the set of reference signal bits and the set of data bits.

11. The apparatus of claim 9, wherein:

the data transmission is transmitted using a physical broadcast channel (PBCH); and

the DMRS transmission is transmitted using resources reserved for DMRS transmissions.

12. The apparatus of claim 11, wherein the DMRS transmission conveys phase reference information associated with the physical data channel.

13. A non-transitory computer readable medium storing code for wireless communication, the code comprising instructions executable by a processor to:

identify a set of reference signal bits associated with a demodulation reference signal (DMRS) transmission and a set of data bits associated with a data transmission on a physical data channel, wherein the set of reference signal bits comprise a timing indication of the physical data channel;

identify a scrambling code for the set of data bits based at least in part on the set of reference signal bits;

scramble the set of data bits based at least in part on the identified scrambling code; and

transmit the DMRS transmission and the data transmission.