CLAIMS

1. A method for wireless communication at a user equipment (UE), that supports half-duplex operation in dual connectivity (DC), wherein the UE is:

a first type of UE configured to support the exchange of dynamic scheduling information between a first radio access technology (RAT), and a second RAT, or

a second type of UE that is not configured to support the exchange of dynamic scheduling information between a first radio access technology (RAT), and a second RAT, the method comprising:

receiving a first slot format configuration for a first cell and a second slot format configuration for a second cell, the first cell being associated with the first RAT and a first radio frequency (RF) spectrum band and the second cell being associated with the second RAT and a second RF spectrum band;

identifying, for at least a portion of a transmission time interval (TTI), a conflict between a first communication direction on the first RF spectrum band for the first cell and a second communication direction on the second RF spectrum band for the second cell;

determining that the first cell has priority over the second cell; and

determining, in response to the identified conflict, whether to drop a transmission on the second cell in the second communication direction,

wherein when the first RAT is new radio (NR), determining whether to drop the transmission on the second cell in the second communication direction is based on whether the UE is the first type of UE or the second type of UE, and

wherein when the first RAT is long-term evolution (LTE), determining whether to drop the transmission on the second cell in the second communication direction is based on the first slot format configuration and the second slot format configuration.

2. The method of claim 1, wherein determining the priority based at least in part on the first RF spectrum band and the second RF spectrum band comprises:

determining the priority based at least in part on whether the first RF spectrum band and the second RF spectrum band comprise a same RF spectrum band or different RF spectrum bands; or

determining the priority based at least in part on a separation in frequency between the first RF spectrum band and the second RF spectrum band; or

determining the priority based at least in part on one or more harmonic frequencies for the first RF spectrum band or the second RF spectrum band.

3. The method of claim 1, further comprising:

determining a capability of the UE to support half-duplex communications based at least in part on the first RF spectrum band and the second RF spectrum band; and

transmitting, to a base station, an indication of the capability to support half-duplex communications.

4. The method of claim 1, further comprising:

determining the first communication direction for the portion of the TTI based at least in part on the first slot format configuration; and

determining the second communication direction for the portion of the TTI based at least in part on the second slot format configuration.

5. The method of claim 4, wherein:

the first communication direction is semi-statically configured; and

the second communication direction is configured via radio resource control (RRC) signaling, or downlink control information (DCI), or a semi-static slot format indicator (SFI), or a combination thereof.

6. The method of claim 1, further comprising:

identifying, for the portion of the TTI, one or more flexible symbols for the first cell based at least in part on the first slot format configuration; and

determining the second communication direction for the portion of the TTI based at least in part on the one or more flexible symbols for the first cell.

7. The method of claim 6, wherein the one or more flexible symbols comprise a guard period.

8. The method of claim 1, further comprising:

identifying, for the portion of the TTI, one or more flexible symbols for the second cell based at least in part on the second slot format configuration; and

determining the first communication direction for the portion of the TTI based at least in part on the one or more flexible symbols for the second cell.

9. The method of claim 1, wherein determining that the first cell has the priority over the second cell further comprises:

determining that the first cell has the priority over the second cell based at least in part on the first RF spectrum band and the second RF spectrum band.

10. The method of claim 1, wherein at least one of the first cell or the second cell operate using time division duplexing (TDD).

11. The method of claim 1, wherein the first cell and the second cell are synchronized.

12. The method of claim 1, wherein the first cell comprises a reference cell and the second cell comprises another cell.

13. The method of claim 12, wherein the reference cell comprises a master cell group (MCG) of a dual connectivity configuration including the other cell, and the other cell comprises a secondary cell group (SCG) of the dual connectivity configuration.

14. An apparatus for wireless communication at a user equipment (UE), that supports half-duplex operation in dual connectivity (DC) wherein the UE is:

a first type of UE configured to support the exchange of dynamic scheduling information between a first radio access technology (RAT), and a second RAT, or

a second type of UE that is not configured to support the exchange of dynamic scheduling information between a first radio access technology (RAT), and a second RAT, the apparatus comprising:

means for receiving a first slot format configuration for a first cell and a second slot format configuration for a second cell, the first cell being associated with the first RAT and a first radio frequency (RF) spectrum band and the second cell being associated with the second RAT and a second RF spectrum band;

means for identifying, for at least a portion of a transmission time interval (TTI), a conflict between a first communication direction on the first RF spectrum band for

the first cell and a second communication direction on the second RF spectrum band for the second cell; and

means for determining that the first cell has priority over the second cell; and

means for determining, in response to the identified conflict, whether to drop a transmission on the second cell in the second communication direction,

wherein when the first RAT is new radio (NR), determining whether to drop the transmission on the second cell in the second communication direction is based on whether the UE is the first type of UE or the second type of UE, and

wherein when the first RAT is long-term evolution (LTE), determining whether to drop the transmission on the second cell in the second communication direction is based on the first slot format configuration and the second slot format configuration.

15. The apparatus of claim 14, further configured with means for performing the method of any claims 2 through 13.