receive first data on a first frequency using a first receiver of the mobile station in all timeslots of a first time division multiple access (TDMA) frame;

tune to a second frequency using a second receiver while the first receiver is receiving the first data during the first TDMA frame; and

receive second data on the second frequency using the second receiver during a first timeslot of a second TDMA frame that immediately follows the first TDMA frame.

8. The mobile station of claim 7, wherein the frequencies of the first TDMA frame and the second TDMA frame are different.

9. The mobile station of claim 7, wherein the hardware and software further cause the mobile station to perform a neighbor cell measurement using the second receiver while the first receiver is receiving the first data.

10. The mobile station of claim 9, wherein the neighbor cell measurement is performed during the first TDMA frame.

11. The mobile station of claim 7, wherein the hardware and software further cause the mobile station to transmit an indication that the mobile station supports fast downlink frequency switching.

12. The mobile station of claim 7, wherein the hardware and software further cause the mobile station to tune to a third frequency using the first receiver while the second receiver is receiving the second data during the second TDMA frame.

13. A non-transitory computer readable storage medium storing instructions that, when executed, cause a machine to at least:

receive first data on a first frequency using a first receiver of the mobile station in all timeslots of a first time division multiple access (TDMA) frame;

tune to a second frequency using a second receiver while the first receiver is receiving the first data during the first TDMA frame; and

receive second data on the second frequency using the second receiver during a first timeslot of a second TDMA frame that immediately follows the first TDMA frame.

14. The non-transitory computer readable storage medium of claim 13, wherein the frequencies of the first TDMA frame and the second TDMA frame are different.

15. The non-transitory computer readable storage medium of claim 14, wherein the instructions, when executed, cause the machine to perform a neighbor cell measurement using the second receiver while the first receiver is receiving the first data.

16. The non-transitory computer readable storage medium of claim 15, wherein the instructions, when executed, cause the machine to perform the neighbor cell measurement during the first TDMA frame.

17. The non-transitory computer readable storage medium of claim 13, wherein the instructions, when executed, cause the machine to transmit an indication that the mobile station supports fast downlink frequency switching.

18. The non-transitory computer readable storage medium of claim 13, wherein the instructions, when executed, cause the machine to tune to a third frequency using the first receiver while the second receiver is receiving the second data during the second TDMA frame.