CLAIMS

1. A system of two overlapping wireless networks utilizing the same spectrum comprising: a plurality of wireless user devices (“UEs”) a first wireless network comprising a first plurality of wireless base stations (“BTSs”) within a coverage area larger than the range of any one BTS, wherein the UEs remain continuously coupled to the first wireless network as the UEs move throughout the coverage area through use of cellular handovers between BTSs;

a second wireless network comprising a second plurality of BTSs within a coverage area larger than the range of any one BTS, wherein the UEs remain continuously coupled to the second wireless network as the UEs move throughout the coverage area with no handovers between BTSs; and

the first wireless network operating in FDD mode and the second wireless network operating in TDD mode, wherein both wireless networks can be received by the plurality of UEs, wherein a spectrum of the first wireless network overlaps, at least in part, with a spectrum of the second wireless network.

2. The system in claim 1 further comprising the second wireless network operating in TDD mode operates in same spectrum as the FDD downlink of the first wireless network.

3. A method implemented within a system of two overlapping wireless networks utilizing the same spectrum comprising:

a plurality of wireless UEs;

a first wireless network comprising a first plurality of wireless base stations (“BTSs”) within a coverage area larger than the range of any one BTS, wherein the UEs remain continuously coupled to the first wireless network as the UEs move throughout the coverage area through use of cellular handovers between BTSs;

a second wireless network comprising a second plurality of BTSs within a coverage area larger than the range of any one BTS, wherein the UEs remain continuously coupled to the second wireless network as the UEs move throughout the coverage area with no handovers between BTSs; and

the first wireless network operates in FDD mode and a second wireless network operates in TDD mode, wherein both wireless networks can be received by the plurality of UEs, wherein a spectrum of the first wireless network overlaps, at least in part, with a spectrum of the second wireless network.

4. The method in claim 3 further comprising the second wireless network operating in TDD mode operates in same spectrum as the FDD downlink of the first wireless network.