**VI.4 User equipment to user equipment interference**

Reachability of the signal from interfering UE to interfered UE is lower in the case of UE-to-UE interference than in the case of BS-to-BS interference. Thus, only the condition under which both UEs are located close to the cell edge can cause intra-operator interferences. On the other hand, UE-to-UE interference may occur anywhere in the cell in the case of inter-operator interference. Similar relationships can be derived for BS-to-BS interference, where time synchronization error between base stations exceeding a certain threshold would cause interference between the UEs.