**Downlink to uplink switching point**

The literature further defines time synchronization errors between base stations (TSync) as the timing inaccuracies at the Antenna Reference Point (ARP). Interference between base stations, specifically during DL-to-UL switching, is contingent upon factors such as the propagation time (Tprop\_BS2BS) and the power ramp-down time at the base station transmitter (Tbts\_rampdown), as illustrated in Figure VI.5.

TSync > TDL\_UL – Tprop\_BS2BS – Tbts\_rampdown

metin, diyagram, çizgi, paralel içeren bir resim

Açıklama otomatik olarak oluşturuldu

Note that the interference decays as the path loss increases with increased Tprop\_BS2BS, so that at after certain distance it will not be significant

**Uplink to downlink switching point**

BS-to-BS interference at the UL-to-DL switching point occurs under the following condition where Tbts\_rampup is the power ramp-up time at the base station transmitter (see Figure VI.6):

Tsync > TAoffset + Tprop\_BS2BS – Tbts\_rampup (VI-2)

Propagation delay may take a smaller value in inter-operator interference than in intra-operator interference, so this type of interference may have a greater possibility of occurring.

**metin, diyagram, ekran görüntüsü, çizgi içeren bir resim

Açıklama otomatik olarak oluşturuldu**