

10.3.2 Relative positioning of interfering link (Cellular system)

The relative position of the Victim Receiver (VLR) and the Interfering cellular system depends on the various options presented below.

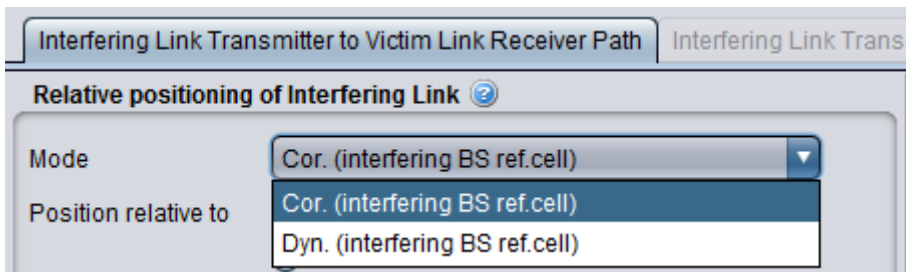


Figure 228: Relative positioning of a cellular interfering link with a generic victim system

- **Cor. (interfering BS ref. cell):** in which case the relative location is explicitly defined by the dx/dy values given in the scenario and the reference is the BS ref.cell. It is a similar mode as described in Table 43 where the BS ref.cell of the cellular interferer is position with respect to the VLT or VLR depending on the selection;
- **Dyn (interfering BS ref.cell):** this dynamic distance mode provides a a relative location that follows a uniform distribution in the distance and angle domain.

Table 46: ILT-VLR path - Correlated mode (cellular vs generic)

Description	Symbol	Type	Unit	Comments
Position relative to VLT or VLR	-	Boolean	-	Positioning of the fixed interfere transmitter (ILT) or receiver (ILR) with the origin being either on the victim link transmitter (VLT) or receiver (VLR) on the option selected.

Delta X	ΔX	Distribution or Scalar	km	Horizontal distance between the transmitter and receiver. It can be used to shift horizontally the distributed receivers.
Delta Y	ΔY	Distribution or Scalar	km	Vertical distance between the transmitter and receiver. It can be used to shift vertically the distributed receivers.
Path azimuth	-	Distribution or Scalar	Deg	Horizontal angle for the location of the interfering BS ref.cell respect to the VLR or VLT
Path distance	-	Distribution or Scalar	km	Path length between the interfering BS ref.cell respect to the VLR or VLT
Minimum coupling loss	MCL	Distribution or Scalar	dB	The minimum path loss. It is used in the calculation of the effective path loss (Section 7.6)

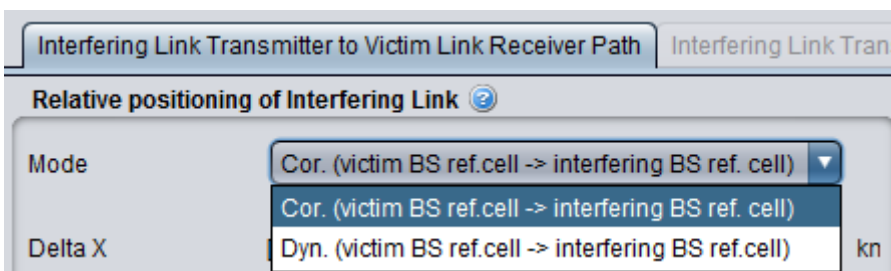


Figure 229: Relative positioning of a cellular interfering link with a cellular victim system

- **Cor. (victim BS ref.cell à interfering BS ref.cell):** It is the same mode as described in Table 45 but where the BS of the reference cell of the victim cellular network is the reference position of the BS of the reference cell of the interfering cellular network.
- **Dyn. (victim BS ref.cell à interfering BS ref.cell):** It is the same mode as described in Table 48, but where the BS of the reference cell of the victim cellular network is the reference position of the BS of the reference cell of the interfering cellular network.

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