If TA validation is based on these two RSRPs, validation can fail
TAC received in RRC connected mode
RRC release with SDT config
RRC release with SDT config
RSRP2 for SDT session 2
RRC connected mode
RRC Inactive mode (SDT session 1)
RRC Inactive mode (SDT session 2)
gNB
gNB
gNB
gNB
UE
UE
UE
UE
Distance between gNB and UE
RSRP1 during 1st RRC release
RSRP1 during 2nd RRC release
If TA validation is based on these two RSRPs, validation can success. In fact distance between UE and gNB has changed but TA on UE Tx is not updated.