

# Percentage of Transmission- Time of Power Amplifier in DTX

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# Test Case Scenario

- UE =7
- Poisson Packet Arrival
- Packet Size=500 Byte
- QAM 64
- FDD
- Symbol per RB=84

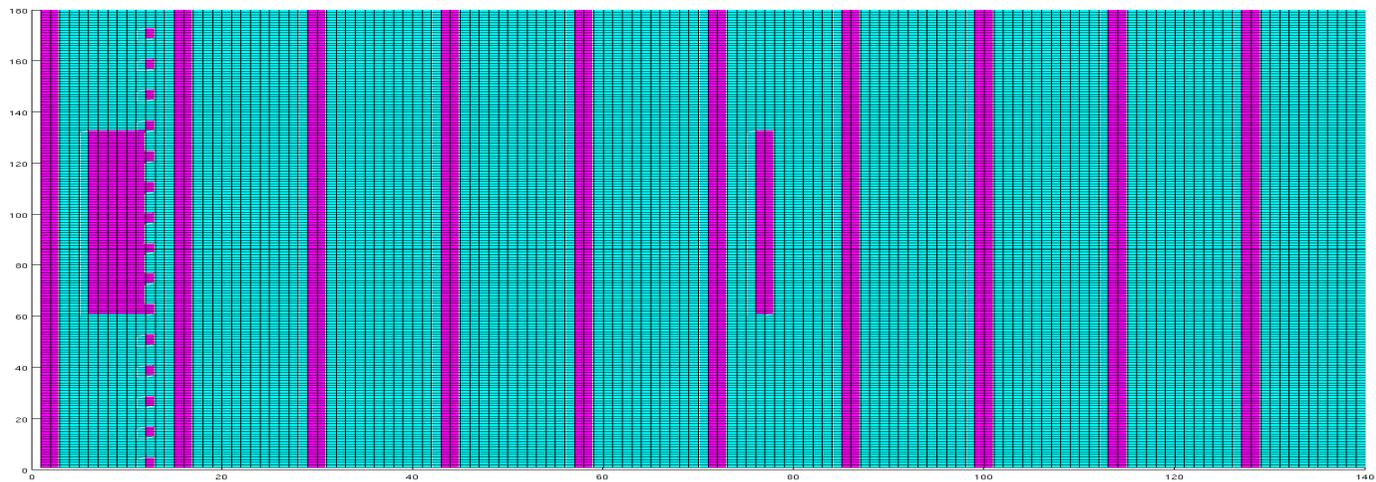
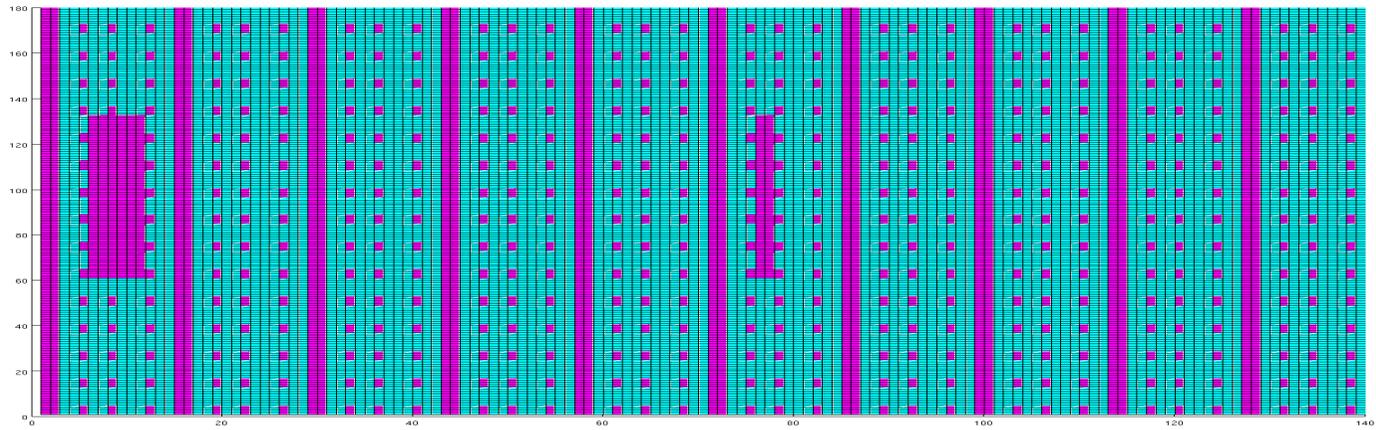
# OBJECTIVE

% Transmission Time of PA

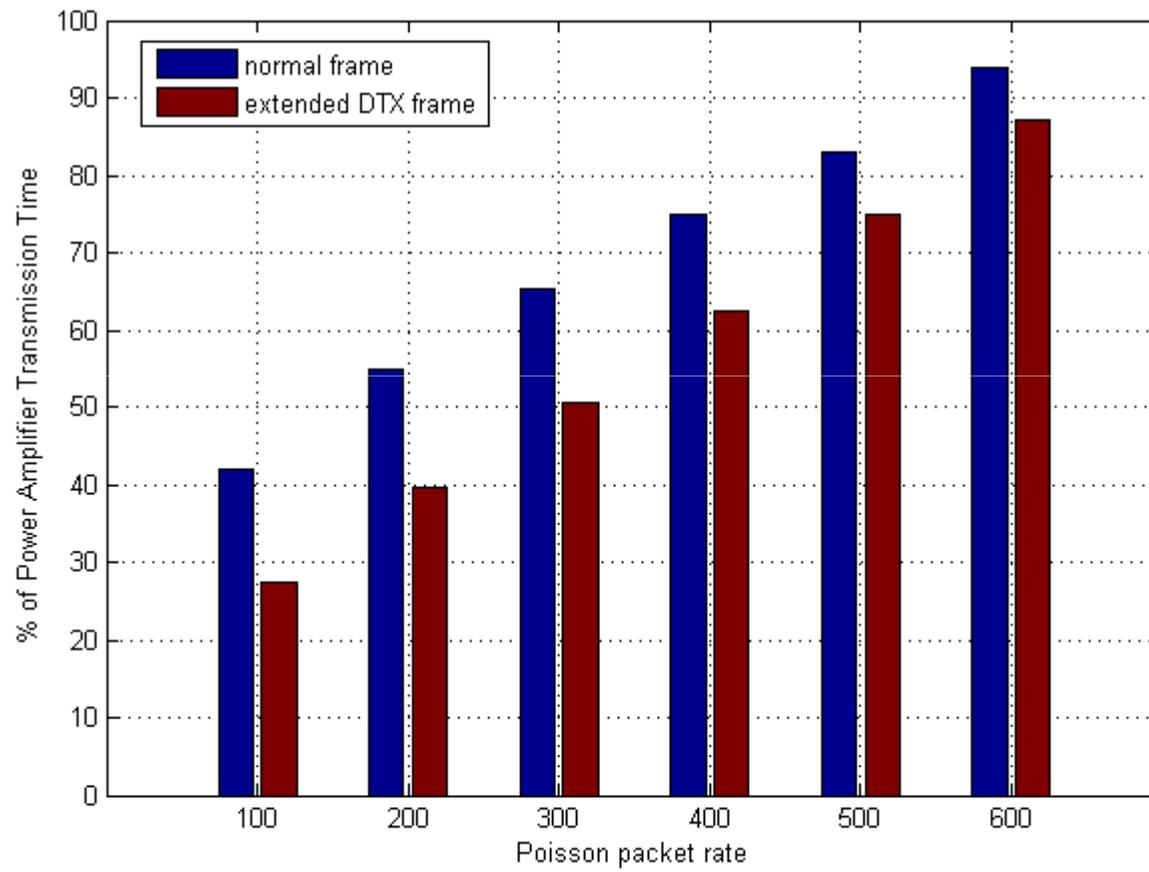
$$= (\text{Total operational Time} - \text{sleep duration}) / \text{Total operational Time}$$

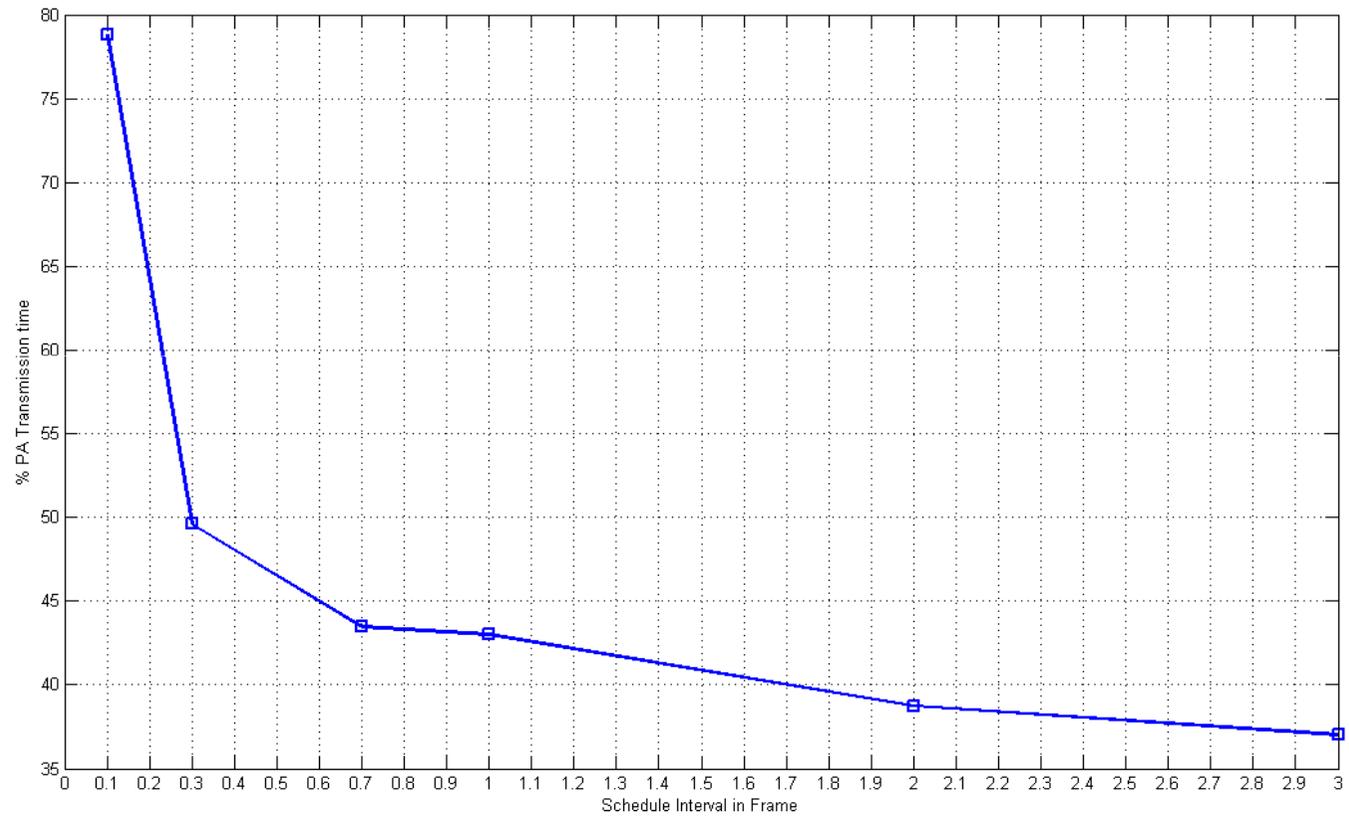
**Target Parameter:** packet rate, Scheduling Interval, Band width of eNB

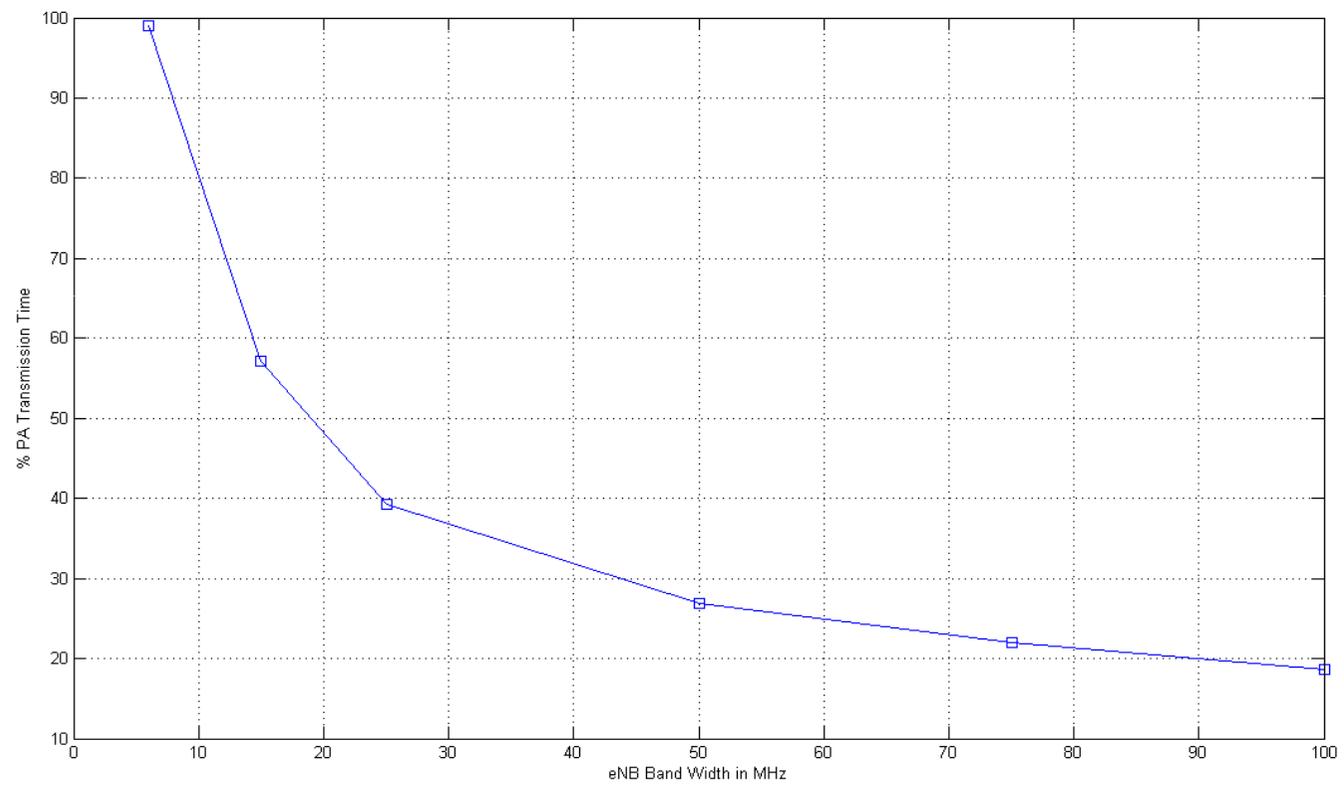
# Frame in Downlink



# Results







**THANKS**