9 Application and Implementation

> **Note**
>
> Information in the following applications sections is not part of the TI component specification, and TI does not warrant its accuracy or completeness. TI's customers are responsible for determining suitability of components for their purposes, as well as validating and testing their design implementation to confirm system functionality.

9.1 Application Information

The TLIN1431x-Q1 can be used in both responder node and commander node applications in a LIN network. The device comes with the ability to support remote wake up request and local wake up request. It can provide the power to the local processor as well as providing watchdog supervision for the processor.

9.1.1 Device Brownout Information

During a brownout condition where V_{SUP} stays above V_{nPORF}, the device pin and mode behavior is as per Figure 9-1. When V_{SUP} falls below V_{nPORF}, the device enters power-on reset as per Figure 9-2
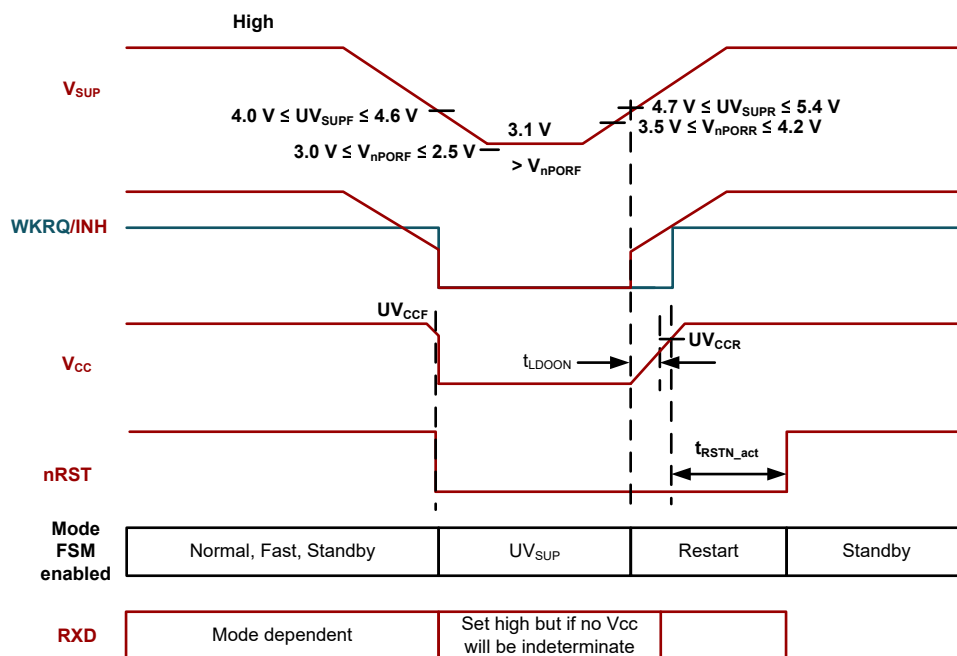

Figure 9-1. Brownout Above V$_{nPORF}$