RADIO can enter the states described in the following table.

State	Description
DISABLED	No operations are going on inside RADIO and the power consumption is at a minimum
RXRU	RADIO is ramping up and preparing for reception
RXIDLE	RADIO is ready for reception to start
RX	Reception has been started and the addresses enabled in the RXADDRESSES register are being monitored
TXRU	RADIO is ramping up and preparing for transmission
TXIDLE	RADIO is ready for transmission to start
TX	RADIO is transmitting a packet
RXDISABLE	RADIO is disabling the receiver
TXDISABLE	RADIO is disabling the transmitter

Table 55: RADIO state diagram

A state diagram showing an overview of RADIO is shown in the following figure.
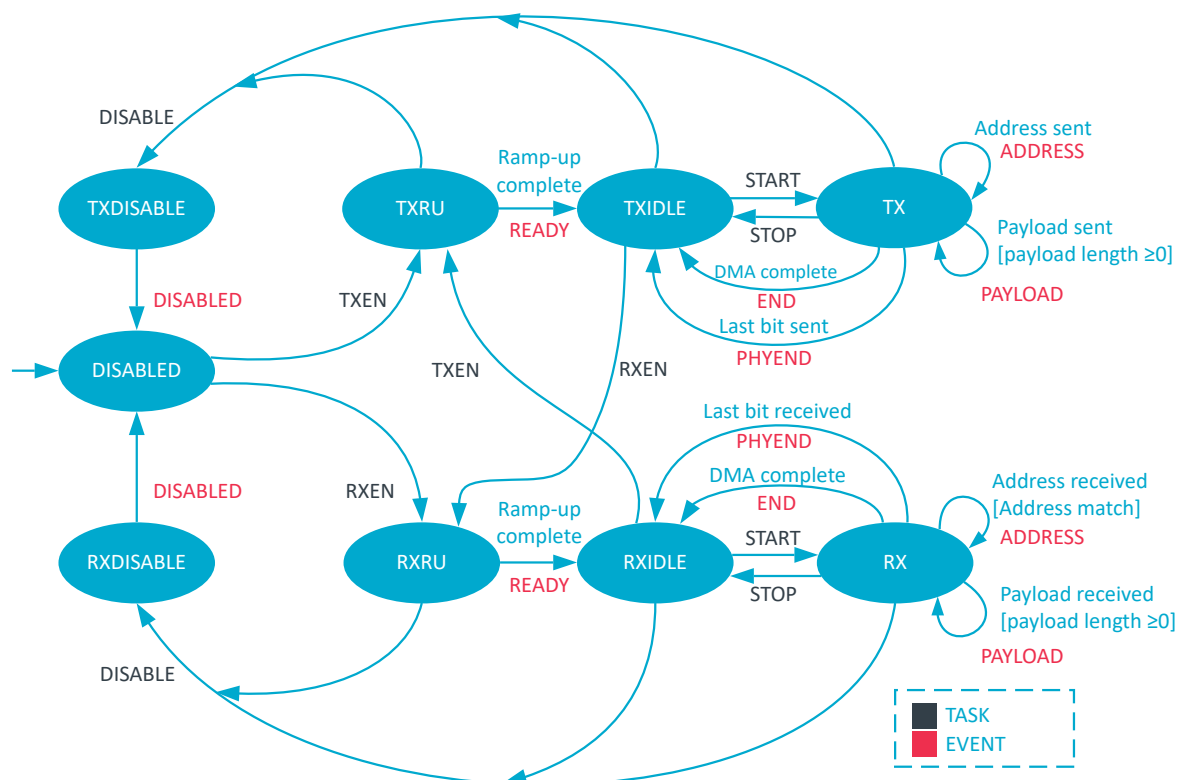

Figure 114: Radio states

This figure shows how the tasks and events relate to the RADIO peripheral's operation. RADIO does not prevent a task from being triggered from the wrong state. For example, if the RXEN task is triggered from the RXDISABLE state, this may lead to unpredictable behavior. The PAYLOAD event is always generated, even if the payload is zero.

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