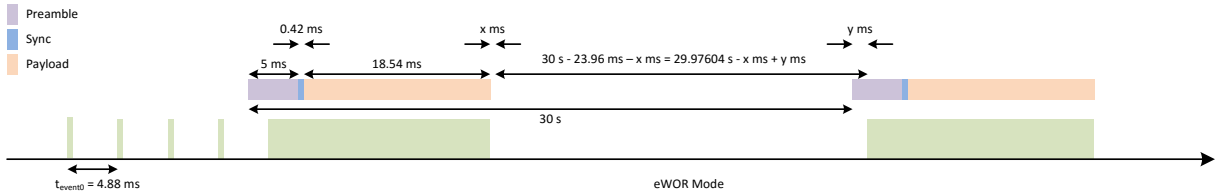


I am not sure that what you want to do is the best approach. After finding the beacon using sniff mode, you want to simply wake up every 30 s to receive the following beacons.



After receiving the first beacon you need to change configuration and reset the WOR timer to be able to wake up at the correct time to receive the next beacon. However,  $t_{Event0}$  will in this case be less than 30 s, since you reset the WOR timer after receiving a packet, while  $t_{Event0}$  should be 30 s for the following wakeups, once you have started to receive beacons.

In such a system it is also easy to run into problem in the cases where you for example loose a beacon or two due to interference, and you have to write your software in a way that you make sure that the transmitter and receiver continue to stay in sync.

A better solution will be to use sniff mode to receive the beacon, the use a times on the MCU, or the SLEEP timer to SLEEP for  $29.x \text{ s}$  and then use sniff mode again to receive the next beacon. This will be a solution that is much easier to implement in SW and where you do not need to think about keeping the receiver and transmitter in sync.

