

Duty Cycle

The maximum duty cycle of our IP4HPV radio product during transmission is 50%. The radio is designed with a Transmit/Receive port. The firmware in the radio requires a send and acknowledgment cycle. Thus during the transmission of a message the maximum duty cycle is 50%. The operating duty cycle is considerable less due to the fact that the radio is running in the 50% duty factor mode only during message transmission. Depending on traffic and network availability the average radio is in the transmission mode for less than 2% of the operating time. Thus, the operating duty cycle is typically less than 1%.