Extended Frame

Normal Tx pulse duration is 3.5ms (every 10 seconds)

The extended data packet in Tx frame shall be used only in programming mode 1 to 3 times in device life time.

In this case, the maximum transmit duration is 5.5ms. The next Tx pulses shall be a normal Tx pulse (duration of 3.5ms, repetition rate 10 seconds)

The maximum "on" time over any 100ms interval is:

Normal pulse duration: 3.5ms

Duty Cycle: $3.5/100 = 0.035$

$20 \text{ Log } 0.035 = -29.1$ (see note)

Extended pulse duration: 5.5ms

Duty Cycle: $5.5/100 = 0.055$

$20 \text{ Log } 0.055 = -25.19$ (see note)

Note:

In both cases, maximum of -20 dB is used in computations as per paragraph 15.249(d)