

- 1. As stated in Exhibit I, we use a ASIC chip from Microelectronics. The chip is designed with the clock settings listed below.
- 2. A pulse can contain more than one bit time. There are a total of 63 bits sent per packet. Three bits are latched with a total "ON" time of 976μS. Another bit has a "ON" time of 366μS. The other 59 bits have a "ON" time of 122μS.

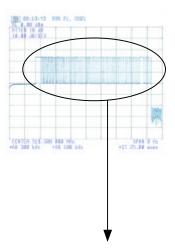
The total "ON" time of a single packet is:

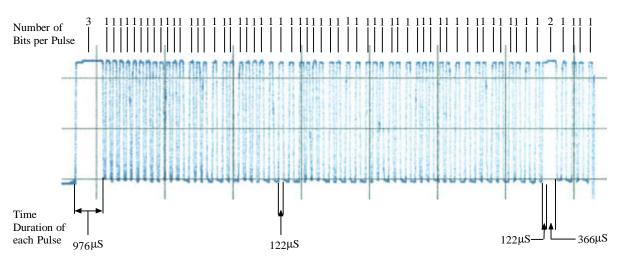
$$59 * 122\mu S + 366\mu S + 976\mu S = 8540\mu S$$
 or $8.54mS$

Duty Cycle correction factor is:

$$20 * LOG (8.54 / 100) = -21.37 dB$$

The plot below, from page 11 in test report, illustrates this:





Number of Pulses = 60 Number of bits = 63

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3. If you have any questions E-Mail me at KenL_Nelson@Interlogixinc.com

Thank you,

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