EXHIBIT 3-1   TIMING CALCULATION   CFS8DL6160VPADT / 573F-6160VPADT

A standard command message consists of the following:

1 mSec of CW followed by:
 5 Bytes of ASK MANCHESTER READER DATA
The reader data is sent at 423 KBS so therefore (1/423,000) X 5 X 8 = 9.45nSec
Since the data is Manchester the transmitter is only on for 50% of the time so
the TX ON TIME is: 4.725nSec
This is followerd by another 1 mSec of CW and then another 4.17 mSec of CW
durring which time the TAG Backscatters it's data back to the reader.
This is a total of:

$$1mSec + 9.45nSec + 1mSec + 4.17mSec = 6.17001\ mSec.$$

A propriety command message consists of the following:
1 mSec of CW followed by:
1 Byte of 423 KBS (1/423,000) X 5 = 1.89nSec
 Since the data is Manchester the transmitter is only on for 50% of the time so
the TX ON TIME is: 0.945nSec.
This is followerd by 3.0mSec of CW and then another 1.74mSec of CW
durring which time the TAG Backscatters it's data back to the reader.
The reader then processes the information and sends another 5 Byte message to the TAG
so... (1/423,000) X 5 X 8 = 9.45nSec
Since the data is Manchester the transmitter is only on for 50% of the time so
the TX ON TIME is: 4.725nSec
This is followerd by 3.0mSec of CW and then another 3.47mSec of CW
durring which time the TAG Backscatters it's data back to the reader.
This is a total of:

$$1mSec + 0.945nSec + 3.0mSec + 1.74mSec + 4.725nSec + 3.0mSec + 3.47mSec = 12.21001mSec$$