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Re: Pending FCC Approval on AIT tags.

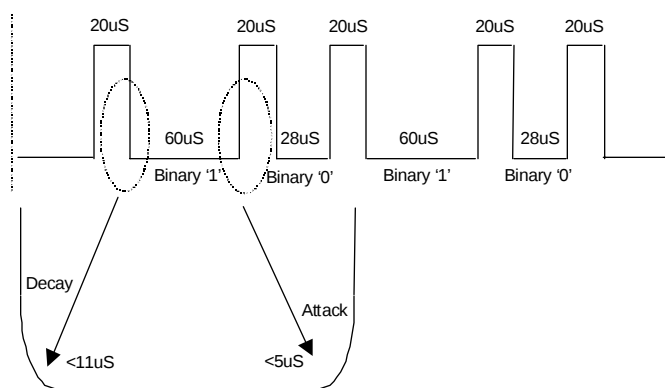
Tag Repetition Rate

Tag # L-TG100, L-TG500 (FCC # FC00-033, FC00-032)

The transmit repetition rate of the tags are programmable at the AIT program office in South Africa. The repetition rate will be set at a minimum transmit frequency of once every ten seconds and a maximum of once in ten minutes. This minimum applies to the requirements stipulated in section 15.231(e) of the FCC regulations.

Modulation Characteristics and Timing

The modulation type for both the tags is On-Off Keying (OOK). The encoding technique for the binary data is indicated in the figure below. The slew rates insure that the frequency bandwidth does not exceed the specified limits. Altogether 23 bytes are transmitted, with transmission duration of 10,5 milli-seconds. This means that the duty cycle is less that 0.001% for a given minimum interval of 10 seconds.



Andrew Evangelidis

Technical Director