

AB-Extender FCC Certification Application – Part 15 FCC Rules, compliance with certain requirements:

Date 23 May, 2001

1. Section 15.407(c):

In normal operational state, in addition to any payload, the devices regularly exchange control, and signaling information to learn status of the network. The device includes a number of software and hardware watch-dog mechanisms. These are used to either recover the device from a soft failure mode, or in an extreme case (e.g. processor bus lock-up), to force a system reset and suspend radio transmission automatically.

2. Section 15.407(g):

The Radio transmission is under software control. A configuration file, with programming information specific to UNII bands only, is used to programme frequency synthesizers. Therefore, the radio can only operate in the configured UNII bands. The frequency synthesizers are referenced to a voltage controlled temperature compensated crystal oscillator. If the frequency synthesizers break phase lock, an alarm is issued by the radio, which is sensed by the software to shut down the transmitter. Note, a data sheet on frequency synthesizer (VCTCXO) has been included in the previous data package.