



October 28, 2004

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

In re: EAZIX, Inc.  
FCC ID: R5Y-EZWFM04  
Modular Transmitter Approval

Gentlemen:

With regards to our application for equipment authorization of the CF module, listed below are the modular approval requirements with which the EUT complies:

- a. The modular transmitter has its own RF shielding. The shield is made of steel, tin coated. This is intended to ensure that the module does not have to rely upon the shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits. It is also intended to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Such coupling may result in non-compliant operation.
- b. The modular transmitter has buffered modulation/data inputs to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation. This is taken care of the Baseband Processor (BBP) chipset used.
- c. The modular transmitter has its own power supply regulation provided by voltage regulator ISL6414. This is intended to ensure that the module will comply with Part 15 requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.
- d. The modular transmitter complies with the antenna requirements of Section 15.203 and 15.204(c). The antenna employs a "unique" antenna coupler (reverse SMA) between the cable and the antenna, and a proprietary connector between the cable and the EUT. A single antenna, as described in the filing, is the only one currently approved for use with the EUT.
- e. The modular transmitter has been tested in a stand-alone configuration, i.e., the module was completely extended outside of the host pc during testing. This

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demonstrates that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed. The transmitter module complies with the AC line conducted requirements found in Section 15.207. The antenna cable connected to the module does not contain ferrites.

- f. The modular transmitter is labeled with its own FCC ID number, and is marketed with an exterior label to be placed on the device into which the EUT is installed. Please see the example label.
- g. There are no specific rules or operating requirements applicable to the transmitter with respect to user operation.
- h. The modular transmitter complies with the applicable RF exposure requirements, as specified in Section 15.247. The EUT is a mobile device, and is not authorized for use in a laptop pc or PDA. The installation instructions state this, as well as cautioning the user to install and operate the EUT in such a way that a minimum 20 cm separation distance is maintained between the antenna and all persons during normal operation.

Sincerely,

  
Arnel G. Lampa  
Senior Division Manager  
EAZIX, Inc.

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