

May 7, 2007

TIMCO Engineering Inc.  
849 NW State Road 45  
FCC Approvals  
Newberry, FL  
USA, 32669

**Subject: Request of Modular Approvals: FCC Id: IA9LPD-900**

As per the FCC Public Notice: DA 00-1407, Released: June 16, 2005, we request "Limited Modular Approval" (LMA), for the IA9LPD-900.

The request is being made on the grounds that the Omnex Control Systems ULC. will retain control over the final installation of the device, such that compliance of the end product is assured. As the LMA device is not marketed as a stand alone device.

The subject device also has the following properties:

1. The Module has been designed using multi-layer construction to insure it is insensitive to the environment in which it is used. It is insensitive to any wires or other metallic objects coming into close proximity and has no restrictions on how it should be mounted.
2. The transmitter has an internal processor which packetizes the data and controls all transmitter functions. The deviation, modulation waveform and data rates are independent of any data input.
3. The module has its own power supply circuitry which can accept any voltage from 4-10 volts without any change in RF output characteristics. It will comply with Part 15 requirements regardless of the design of the power supplying circuitry in the device into which the device is installed.
4. The module does not employ any connector on transmitter board (transmitter module). Typically it will utilize a quarter wave antenna etched onto the carrier board. This module will be used on portable apparatus designed and manufactured by OMNEX. It will be producing a line of products with the same performance criteria but with different housing shapes. OMNEX seeks an LMA on this product and agrees to comply with the intent of this provision in the following manner:



The modular transmitter complies with the antenna requirements of Section 15.203 and 15.204(c). The submitted product were tested with the various antenna types that module will be provided with.

- a. Since the module only outputs a maximum power of 10mW, it is reasonable to assume that regardless of minor deviations on the shape of the board, the radiated power cannot exceed the maximum field strength limitations imposed by the FCC regulations.
- b. OMNEX agrees that this approval applies only to those units designed and manufactured by Omnex Control Systems Inc. and OMNEX will ensure that the intent of the legislation is adhered to.
5. The module is capable of meeting the PART 15 requirements in a stand alone configuration.
6. The module is labeled with its own FCC ID number. OMNEX agrees to label both the LPD24RC module with its FCC ID and if the FCC ID is not visible, an additional label will be placed on the outside of the unit into which the module is installed stating "Contains FCC ID: IA9LPD-900" or equivalent.
7. This device is fully compliant with Part 15. There are no special exemptions. This is a fully compliant frequency hopping spread spectrum device and hopping frequencies and timing are all pre-programmed and are not modifiable by the user.
8. The unit complies with the applicable exposure requirements as set out by FCC part 15.247(b)(4).
9. The module is battery powered. The unit has been tested and found to be comply with the AC line conducted requirements found in Section 15.207.
10. AC, DC, and data input/output lines do not contain ferrites.

If you have any questions please feel free to contact the undersigned.

Sincerely,

Steve Bennett  
Director of Engineering

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