



# ROGERS LABS, INC.

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December 2, 2008

Timco Engineering Inc.  
849 NW State Road 45  
Newberry, FL 32669

Federal Communications Commission  
Equipment Approval Services  
P.O. Box 35815  
Pittsburgh, PA 15251-3315

Applicant: Ligowave LLC  
1440 Dutch Valley Place, Suite 1155  
Atlanta, GA 30324

Equipment: FCC ID: V2V-PTP4  
FCC Rules: Part 2 and 90Y (Limited Modular Transmitter)

Re: modular transmitter approval

Gentlemen:

As requested in the Public Notice DA00-1407 regarding Part 15 unlicensed modular transmitter approval, the following information has been addressed. The transmitter module is a complete RF transmitter containing its own reference oscillator, antenna etc. The connections available on the module are for power only. Below please find information, addressing each paragraph from DA00-1407, requested about the unit.

- 1.) The unit has shield effectively preventing coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Photographs of the unit are included in an exhibit with the application.
- 2.) The unit incorporates a buffer stage on the inputs to limit over-modulation.
- 3.) The unit has power regulation incorporated in the circuitry to ensure continued compliance regardless of the design of the power supplying circuitry.
- 4.) The unit utilizes a unique antenna connection and complies with the antenna connection requirements of 15.203.
- 5.) The module was tested in a stand-alone configuration utilizing a test fixture for interface allowing for testing. The module complies with part 15 emissions limits regardless of the device into which it is eventually installed.
- 6.) The module has the FCC ID number permanently affixed to the equipment and information supplied to the end OEM regarding label placement on the outside of the device into which the module is contained.
- 7.) The unit complies with CFR47 regulations as stated in the user manual. Adequate instructions are supplied with the unit to explain the requirements.
- 8.) The unit complies with the RF exposure requirements as stated in 2.1091, 2.1093, and part 15.

Should you require any further information, please contact the undersigned.

Thank you for your consideration in this matter.

Sincerely,  
*Scot D Rogers*  
Scot D. Rogers  
Rogers Labs, Inc.