



May 5, 2003

Timco Engineering, Inc.  
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**Subject:** FCC Certification Authorization Application Under FCC PART 15, Subpart C, Section 15.247 - Frequency Hopping Spread Spectrum Transmitters Operating in the Frequency Band 902.2 - 927.6 MHz.

**Product:** EL806 OEM Transnet  
**Model No.:** EL806  
**FCC ID:** E5MDS-EL806

Dear Sir/Madam

As appointed agent for Microwave Data Systems Inc., we would like to submit the application to the Federal Communications Commission for certification of the above product. Please review all necessary files uploaded to TIMCO electronic filing site for detailed information.

This application is for Modular Approval of the above product pertaining to Mobile and Fixed and Base Stations with the antennas specified in this submission (See section 6.5 of the Engineering Test Report, which addresses the modular approval requirements of FCC DA 00-1407). Separate approval is required for operations with respect to § 2.1093 as a portable transmitter.

**Grant Note:** Output is peak conducted RF power at antenna terminals. The antenna(s) used for this transmitter module must be installed to provide a separation distance of at least 23 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation and transmitter operating conditions for satisfying RF exposure compliance. This module is approved for use with the following MDS ClearWave Antennas:

- Z1523A/B/C (8.5 dBi) yagi directional
- Z1526 (7.1 dBi) omni directional base station
- Z1527 (0 dBi) ½ wave dipole

The output power is required to be adjusted for different antennas as specified in OEM integration guide and test report.

If you have any queries, please do not hesitate to contact us.

Yours truly,

Tri Minh Luu, P. Eng.,  
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