



# ITC Engineering Services

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Date: Friday October 4, 2002

Attn.: Authorization and Standards Division  
Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

**File Number: FCC ID: PDCILM-2500**

**Subject: Application for a Class II Change on Equipment Authorization Grant**

Dear Sir/Madam:

The enclosed documents constitute a formal submittal and application for a Class II Change in Equipment Authorization Grant on a previously certified device, **Internet Location Modem, model iLM 2500**, pursuant to 47 CFR Part 2.1043, of the Rules and Regulations of the FCC, regarding Changes in certificated equipment.

The change requested is as follows:

- 1) Add RF maximum power rating of 600mW to Grant of Equipment Authorization.

The iLM 2500 Internet Location Modem utilizes a Wireless CDPD Modem, FCC ID: NBZNRM-6832, which was granted an Equipment Authorization with a power rating of 600mW. The existing Equipment Authorization Grant on the iLM 2500 Internet Location Modem limits the RF power to 0.006mW. This is actually a Low Mode Power rating and severely limits the performance and effectiveness of the modem. The iLM 2500 Internet Location Modem is fully capable of operating up to the High Mode Power capacity of the Novatel internal wireless modem, FCC ID: NBZNRM-6832, with **software programming** only to adjust power level. There is no variation in electrical or mechanical construction that affects the characteristics required to be reported to the Commission

The attached data demonstrates that the **iLM 2500 Internet Location Modem, FCC ID: PDCILM-2500**, continues to comply with the FCC 47CFR Part 15, Subpart C test limits for intentional radiators.

The documentation to support this request is submitted as follows:

- 1) Measurement Report of Effective Radiated Power (ERP) in accordance with the FCC Rules & Regulations Part 2.1046.
- 2) Test Setup Photographs
- 3) EUT Photographs

This application was prepared by International Technology Company (ITC). If there are any questions or if further information is needed, please call us at (925) 862-2944 or fax (925) 862-9013. Thank you.

Yours sincerely,

Bandele Adepoju  
ITC

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