

P. G. Electronics
501 Silverside Road, Suite 135,
Wilmington, Delaware
19809

January 23, 2002

Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland 21046

Ref.: NKV802CL1

Dear Sir/Madame:

RE: FCC ID: NKV802

Attached is an application for Equipment Approval for our model A181T bidirectional amplifier. The unit is a low power bidirectional amplifier for the SMR (800 MHz trunking) communications band. The unit's RF circuitry is identical to that of the A181 previously granted authorization by the FCC (FCC ID: NKV801, file number: 31010/EQU 17.9) but makes use of SMR diplexers instead of cellular diplexers. The amplifier stages are identical and thus the RF performance is identical in the applicable frequency band. The two units differ only in operating frequencies. The diplexers are fixed-tuned and neither unit requires any tuning.

The unit is designed to be used for in-building signal enhancement. The unit allows operators to reduce interference problems by utilizing low power signals directed to the exact required coverage areas instead of using increased power at a distant antenna. It should be noted that even if improperly overdriven into saturation, the unit is incapable of producing spurious products above -13dBm.

The attached exhibits contain technical information to assist you in reviewing our application and test data which has been taken under my supervision. If you require any further information to supplement this data, please contact me and we will provide it immediately.

Yours Sincerely,

P. G. Electronics Ltd.

Gerry Graham, P. Eng
President