



14 October 2004

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Dear Sir/Madam,

The attached application is for a class II permissive change for products with the following FCC ID.

NI8ER450-XXF01

The changes were made to achieve ETSI compliance as well as FCC compliance in a single model radio for worldwide markets.

Changes are:

- New VCO (Built on the main board, Improved phase noise)
- New Power Control loop, Analog Power control loop replaces digital for improved ramp control.
- Improved Receiver Front End.
- Introduction of new frequency types for greater flexibility for customers frequency ranges (This is not a change to the design just the final tuning of the VCO frequency and Receiver Helical filters).
- Minor changes to microprocessor clocking circuitry on processor board.
- New Modulation format available for compatibility with emerging products.
- Most 0805 size components replaced with 0603 for extended product lifetime.
- Customer Option for Full Duplex Operation. This is simply a separate antenna connection for the receiver. An SMA connector is connected directly to the helical filters via a link option. No other circuitry is changed.

Note that the modulation circuitry / methods are unchanged.

The Low Pass Filter for the transmitter is unchanged in stripline dimensions and topology although slight changes in shunt capacitor values have been made to facilitate common PCB loading between band types.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "D Rowntree".

David Rowntree
Senior Design Engineer