

Operating Instructions for the  
PDC-192-50-20W  
PCS Band, 20 Watt CDMA Power Amplifier

### **FCC Part 15B Compliance Statement**

**This device complies with part 15 of the FCC rule. Operation is subject to the following two conditions: (1) this device may not cause harmful interference , and (2) this device must accept any interference received, including interference that may cause undesired operation**

### **Caution**

**Changes or Modifications not expressly approved by Broadband Wireless Technologies could void the user's authority to operate the equipment"**

### **NOTE**

**This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.**

**This equipment generates, uses, and can radiate Radio Frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- **Reorient or relocate the receiving antenna**
- **Increase the separation between the equipment and receiver**
- **Connect the equipment into an outlet on a circuit different from that which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

The amplifier is a 5.25 inch high, 19 inch rack mount model which is designed to use a power source of -48 volts. It has an internal heat sink and fans to provide cooling. It is internally protected against input overdrive and temperature. The function of the amplifier is to amplify a CDMA modulated, RF signal within the band of 1930 to 1990 MHz with sufficient spectral purity.

To Operate:

- 1) Connect the -48 Volt power supply to the panel mount terminal block on the rear of the amplifier being careful to connect the -48 Volt line to the correct block and the -48 Volt return to the return block.
- 2) Connect the RF-Input and RF Output to the appropriate N-type female connectors on the rear of the amplifier and tighten.
- 3) Connect the D-sub control and monitor cable to the 9-pin D-sub on the rear of the amplifier.
- 4) The input power to the amplifier should be less than -7 dBm. Turn on the -48 volts.