

Bierer & Associates, Inc. 183 Elton Walker Road, Blythewood, SC 29016
Telephone: (803) 786-4839 Mobile: (803) 920-0210 Fax: (803) 786-4839

November 12, 2003

Federal Communications Commission
7435 Oakland Mills Road
Columbia Maryland 21046

Gentlemen:

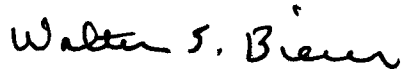
In Reference to PD800W : Non-technical description

The PD800W is a cordless high voltage meter and phasing device. It consist of two modules - a reference probe with transmitter and a meter probe with receiver. It is used on three phase high voltage distribution and transmission systems with voltages of up to 760,000 volts. These high voltage systems may have a conductor spacing of up to 30 feet. Phasing and voltage measurements across large breakers and disconnect switches within an electric sub-station may reach distances of 100 feet or more.

Conventional phasing voltmeters have an interconnect cable spanning the distance between the conductors. This interconnect cable is energized to very near line potential and represents a major safety hazard to the electric utility workers using the equipment.

The PD800W eliminates the interconnect cable and the associated safety hazard by using radio signals to transmit the voltage and phase information from a reference probe in contact with one high voltage conductor to a meter probe that is in contact with another high voltage conductor. The phase to phase voltage, phase angle difference, and phase sequence is displayed on the meter probe.

Sincerely



Walter S. Bierer
President