

GSM Dual Amplifier Booster/ Combiner **CCI Model Number DAB-1819-100 & DAC-1819-100** **USER'S GUIDE**

The CCI GSM Dual Amplifier-Booster Module (DAB) consists of two linear power amplifiers with intermodulation level control circuitry, each capable of generating a 100-120 Watt GSM signal. The Dual Amplifier-Combiner Module (DAC) is identical to the DAB Module with the exception of a power hybrid combiner at the output which combines both signals to provide two 50-60 Watt GSM signals on a common output.

The following instructions should be followed when installing the unit in service:

- Apply a 28VDC input voltage to the DC Input connector of the Dual Amplifier-Booster/Combiner Module.
- Insure that the DC Source is capable of delivering up to 15 Amps at 28VDC.
- Apply a GSM signal of up to +41dBm to each RF input port of the Dual Amplifier-Booster/Combiner Module.
- The Dual Amplifier-Booster/Combiner Module will provide approximately 10dB or less of RF Gain.
- Check the RF output to insure the proper output power is present. (Approximately 100-120 Watts).
- Adjust the input power level to insure the output power level is in compliance with the values indicated in the table on page 2.
- Install the Alarm Connector to the Alarm Output connector of the Dual Amplifier-Booster/Combiner Module.