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GSM/EDGE Dual Amplifier Booster  
CCI Model Number DAB-1819-125-G2  
USER'S GUIDE

**Product Description:**

**DAB-1819-125-G2 Dual Amplifier Booster:**

The CCI GSM Dual Amplifier-Booster Module (DAB) consists of two linear power amplifiers with intermodulation level control circuitry, each capable of generating a 125 Watt GSM/EDGE signal.

**Operation Description:**

The DAB-1819-125-G2 Dual Amplifier Booster is designed to supply a nominal output power level of 125 Watts (51 dBm) per channel. Although the gain of the Dual Amplifier Booster is fixed, the output can be adjusted by setting the input power level.

**Operation and Installation Instructions:**

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

- Apply a 29-33VDC input voltage to the DC Input connector of the Dual Amplifier-Booster Module.
- Insure that the DC Source is capable of delivering up to 30 Amps at 31VDC.
- Apply a GSM/EDGE signal of up to +40dBm to each RF input port of the Dual Amplifier-Booster Module.
- The Dual Amplifier-Booster Module will provide approximately 11dB or less of RF Gain.
- Check the RF output to insure the proper output power is present. {Approximately 125 Watts (51dBm) per channel}.
- 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.

### **Setting the RF Output Power on the DAB-1819-125-G2 Booster Amplifier**

The RF output power is not adjustable on the DAB & DAC Booster Amplifier. The user must adjust the RF input power to the Booster Amplifier such that the RF output power level does not exceed the levels shown below in order for the RF output spectral emissions to be compliant with the FCC spurious emissions limit of -13 dBm outside of the assigned frequency block. **These levels must not be exceeded.**

Channel Center Frequency (MHz)	Maximum RF Output (Watt)*
<b>1930.2-1989.8</b>	<b>100</b>

\* Note: The Maximum RF Output Power is after any passive losses after the Booster Amplifier such as filters and cables.

This equipment complies with Part 24 of the FCC rules. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.