



60 Gough Rd., Markham, Ontario, L3R8X7  
www.kaval.com, 905-940-3860, 905-946-3003 FAX

## Operational Description for LNKA800 LinkNet 800-900MHz LinkNet Amplifiers

June 19, 2001

### Theory Of Operation

A LINKNET AMPLIFIER MODULE is a Broad-Band Digitally Controlled Class-A Amplifier. The most common LINKNET AMPLIFIER MODULE applications are the extension of above ground signals into buildings, tunnels, vehicles or the extension of radio coverage patterns into outdoor shaded areas such as deep valleys.

From an applications standpoint, an LINKNET AMPLIFIER MODULE is very similar to a regular two-way radio repeater. On Frequency Radio Repeaters can be combined using regular two-way radio multicoupling or duplexing equipment and have input and output signal characteristics to those of regular transmitters and receivers. The one special consideration in LINKNET AMPLIFIER MODULE systems is that of input to output antenna isolation. This must be carefully engineered for each installation.

These Modules are designed for indoor use only and are intended for mounting in a standard EIA 19 inch rack. Modular design of LINKNET AMPLIFIER MODULE circuitry allows for easy servicing, stocking of spares, adaptability and upgrade ability.

### Models

LNKA800 MODULE FAMILY		
MODEL	TYPE	FREQUENCY
LNKA800-A	Broadband Amplifier	806-824 MHz
LNKA800-B	Broadband Amplifier	851-869 MHz
LNKA800-C	Broadband Amplifier	824-849 MHz
LNKA800-D	Broadband Amplifier	869-894 MHz
LNKA800-E	Broadband Amplifier	896-902 MHz
LNKA800-F	Broadband Amplifier	928-941 MHz

# LNKA800 RF Module

