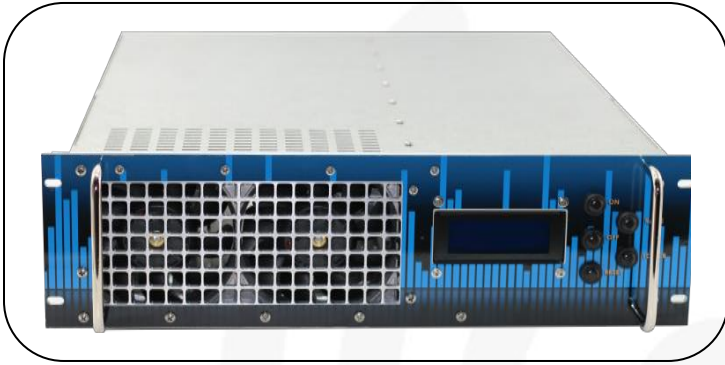


# STL Amplifiers

## STL 950 MHz Amplifiers



- Solid state power MOSFET Technology
- Analog or Digital Emissions, Class A
- Frequency Agile 940-960 MHz
- Efficient state-of-the-art transistors and power supplies
- Extensive monitoring via Ethernet and Remote Samples
- 2 Year Warranty

### RF CHARACTERISTICS

<i>Output Impedance</i>	50 $\Omega$
<i>Input Power</i>	5 Watts Max
<i>Frequency Range</i>	944 - 960 MHz
<i>Nominal Output Power</i>	Model and modulation type dependent, 15 Watt and 60 watt models available.
<i>Power Level</i>	Adjustable 1 – 105%, Linear to input
<i>Output Connector</i>	Type N female
<i>Input Connector</i>	Type BNC
<i>Spurious Emissions</i>	Compliant to Industry Canada BETS-6 and FCC

### ELECTRICAL

<i>AC Input Voltage</i>	120-250 VAC
<i>Overall Power Consumption</i>	Typically 100 watts
<i>Overall Efficiency</i>	>20%
<i>PA Power Consumption</i>	Typically 90 watts
<i>PA Efficiency</i>	>25% Class A

## INTERFACE

<i>Remote Port</i>	<i>Control:</i>	Reset, On/Off (external exciter)
	<i>Monitor:</i>	Forward/reflected RF level, control PCB Vcc
	<i>Flags:</i>	VSWR, Current, Voltage, Forward Power
<i>Ethernet</i>	<i>Control:</i>	Reset, On/Off (external exciter)
	<i>Monitor:</i>	Forward/reflected RF level, DC pallet voltage, temperature, VSWR trip point, model
	<i>Flags:</i>	DC pallet voltage, current, VSWR
<i>LCD Display</i>	<i>Monitor:</i>	Forward/reflected RF level, DC pallet voltage, DC current
	<i>Flags:</i>	VSWR, Current, Voltage, Forward Power

## PHYSICAL FEATURES

<i>Minimal Rack Space</i>	3U	U x 25" - 36" (D) x 19" (W)
<i>Lightweight Enclosures</i>	Aluminum	
<i>Operating Temperature</i>	0 to +59 °C	
<i>Humidity</i>	90%, non-condensing	