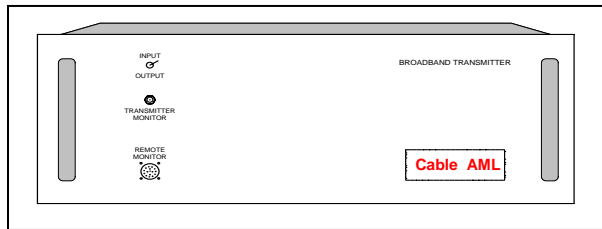


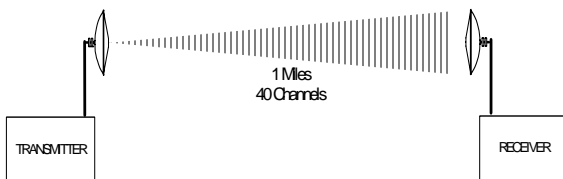
ITX18-000 INDOOR BROADBAND TRANSMITTER



- ◆ **Broadband Transmitter**
- ◆ **72 Channel Capability**
- ◆ **Up to 3 Miles with 40-Channel Loading**
- ◆ **Upgradeable, Modular Design**
- ◆ **Requires Only 7 Inches of Indoor Rack Space**

PRODUCT APPLICATION:

The ITX18-000 is a solid state broadband transmitter designed to implement high quality, cost-effective microwave links for transporting up to 72 television channels in the 18 GHz band.



A typical application example would be a one-mile (1.6-kilometers) link with 40 channel loading.

The ITX18-000 is configured in an indoor rack-mounted version, for convenience and ease of access to components. It incorporates the latest Gallium Arsenide power amplifier technology to deliver a clean, reliable signal.

Output signal monitoring and operation diagnostic measurements are easily performed without interrupting operation.

Designed for many years of trouble-free operation, the ITX18-000 can be upgraded to higher power units of the ITX18 family of transmitters.

ITX18-000

Input Frequency:	54 to 552 MHz		
Input Level	20 dBmV		
Output Signal Frequency:	17.70 to 18,.30 GHz		
Output Level for 60 dB C/CTB	Channels	dBm/Channel	C/N (dB)
	12	-7.5	62.0
	21	-10.0	59.5
	35	-12.5	57.0
	72	-15.5	54.0
Nominal Gain ² :	18 dB		
Frequency Response:	±1.0 dB		
Frequency Stability:	0.0005%		
Input Return Loss:	15 dB		
Input Connector:	Type "F"		
Output Return Loss:	18 dB		
Output Connector:	WR-42 Waveguide		
Temperature Range:	60° to 100°F (16° to 38°C)		
Humidity:	100% Max		
Primary Power:	120/240 VAC, 50/60 Hz (per customer specification)		
Primary Consumption:	100 VA RMS		
Weight:	30 lbs. (13.6 kg)		
Dimensions:	19" W x 7" H x 20" D		
	(48.3 W x 17.8 H x 50.8 D cm)		

¹ Specifications subject to change without prior notice.

² Other frequencies available.

³ Gain may be varied with 10 dB attenuator