

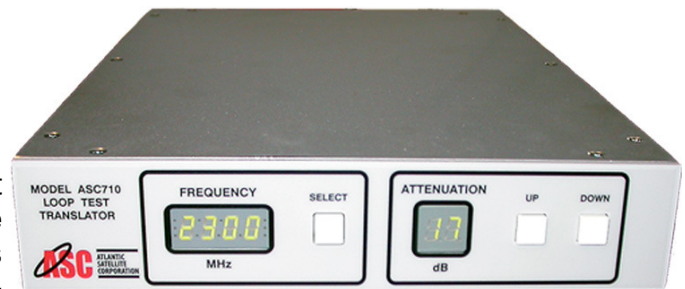
ATLANTIC SATELLITE CORPORATION

# Model ASC710 Ku Loop Test Translator

Quality Products @ Reasonable Prices

## Functional Description

The Atlantic Satellite Corp. ASC710 Ku Loop Test Translator is designed to do bench-top testing of satellite transmission systems. The ASC710 essentially replaces the satellite for loop-back analysis of satellite communication systems.



## Features

- Low-Cost
  - Input frequency range of 14.00 to 14.50 GHz
- LO frequency switching from the front panel for testing of three separate Ku bands.

1. LO 1 Frequency: 1750 MHz for 12.25 to 12.75 GHz
2. LO 2 Frequency: 2300 MHz for 11.70 to 12.20 GHz
3. LO 3 Frequency: 3050 MHz for 10.95 to 11.45 GHz

- Small size for bench-top testing. **Rack mount optional.**
- Low Phase Noise
- High frequency stability
- Universal AC input power

Includes :

1. 30 dB coupler
2. 10 Watt load
3. Variable 1 dB step attenuator

## Atlantic Satellite Corporation

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## Technical Specifications

Frequency Input Range ..... 14.00 to 14.50 GHz  
 Maximum Input Power ..... 10 Watts, Continuous  
 Insertion Loss ..... 50 dB, Minimum; 70dB, Maximum  
 Level Control ..... 20 dB (min)  
 Input & Output Impedance ..... 50 Ohm  
 Attenuation Adjustment Range ..... 20dB, 1dBsteps,  
 ..... Front Panel Adjustable  
 LO Selection .. Three Bands, Front Panel Selectable  
 Band 1: ..... 1750 MHz  
 Band 2: ..... 2300 MHz  
 Band 3: ..... 3050 MHz

Input and Output Connectors ..... SMA, Female  
 Phase Noise ..... > 75 dB-Hz @ 1 kHz from carrier  
 LO Frequency Stability ... < 1 ppm, 10 to 40<sup>0</sup> deg. C  
 Front Panel LED Display ..... 4 digit, LO Frequency,  
 ..... 2 digit, Attenuation  
 Band Select ..... Front Panel, Pushbutton  
 Attenuation Adjust ..... Front Panel, Pushbutton,  
 ..... 1 dB Steps  
 Size ..... 1.75 " H x 8.0 " W x 10.0 " D  
 Primary Power ..... 90-250 VAC, 47-63 Hz

Optional: Rack Mountable Front Panel Available