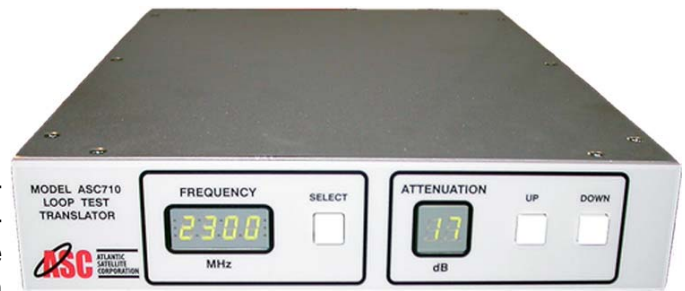


# Model ASC710C Test Loop Translator

*Quality Products @ Reasonable Prices*

## Functional Description

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



## Features

- Low-Cost
- Input frequency range of 5.85 to 6.65 GHz
- LO Frequency switching from the front panel for testing of two separate C-bands.
  1. LO 1 Frequency: 2225 MHz for 5.85 to 6.425 GHz Input and 3.625 to 4.20 GHz Output
  2. LO 2 Frequency: 2450 MHz for 5.85 to 6.65 GHz Input and 3.4 to 4.20 GHz Output
- 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

## Technical Specifications

Frequency Input Range ..... 5.85 to 6.65 GHz  
 Maximum Input Power ..... 10 Watts, Continuous  
 Insertion Loss ..... 45 dB, Minimum; 75 dB, Maximum  
 Attenuation Adjustment Range ..... 25dB, 1dB Steps,  
 ..... Front Panel Adjustable  
 LO Frequency ..... Two Bands, Front Panel Selectable  
 Band 1: ..... 2225 MHz  
 Band 2: ..... 2450 MHz  
 Output Connectors ..... Type-N, Female  
 Phase Noise ..... > 75 dB-Hz @ 1 kHz from carrier  
 LO Frequency Stability ..... < 1 ppm, +10 to 40 ° 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**

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