

Model ASC 710 Loop Test Translator

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Functional Description

The Atlantic Satellite Corp. ASC710 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



Technical Specifications

Frequency Input Range.....14.00 to 14.50 GHz
Maximum Input Power.....10 Watts, Continuous
Insertion Loss.....40 dB, Minimum; 75 dB, Maximum
Attenuation Adjustment Range.....35dB, 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 40⁰ 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

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