

ANTENNA SIMULATOR KIT

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Introduction

The Nautel Antenna Simulator Kit is a specialized piece of test equipment designed for use with the Nautel Antenna Tuning Units (ATUs). The Antenna Simulator Kit provides maintenance personnel with a typical static antenna load found at LF/MF transmission sites. The Antenna Simulator Kit is designed to be mounted on the High Voltage Insulator found on Nautel ATUs and consists of a haysite chassis containing RF High Power Capacitors, Tapped Matching Transformer and connectors.

Specifications

Simulated Antenna Capacitance

1000 pF for ATU-HP
250 pF for ATU-LP and ATU500

Simulated Antenna Resistance

2 - 50 ohms (fixed-tap selectable)

Dimensions

51 cm H x 18 cm W x 15 cm D
(20.1 in H x 7.1 in W x 5.9 in D)

Weight

4.0 kg (8.8 lb)

Additional Required Equipment

50 Ohm resistive load and coaxial cable

WARNING

Extremely high, potentially lethal, RF voltages are present in the ATU and at the Antenna Simulator Kit when an RF input is being applied. Extreme caution should be used when operating the ATU and Antenna Simulator Kit.

