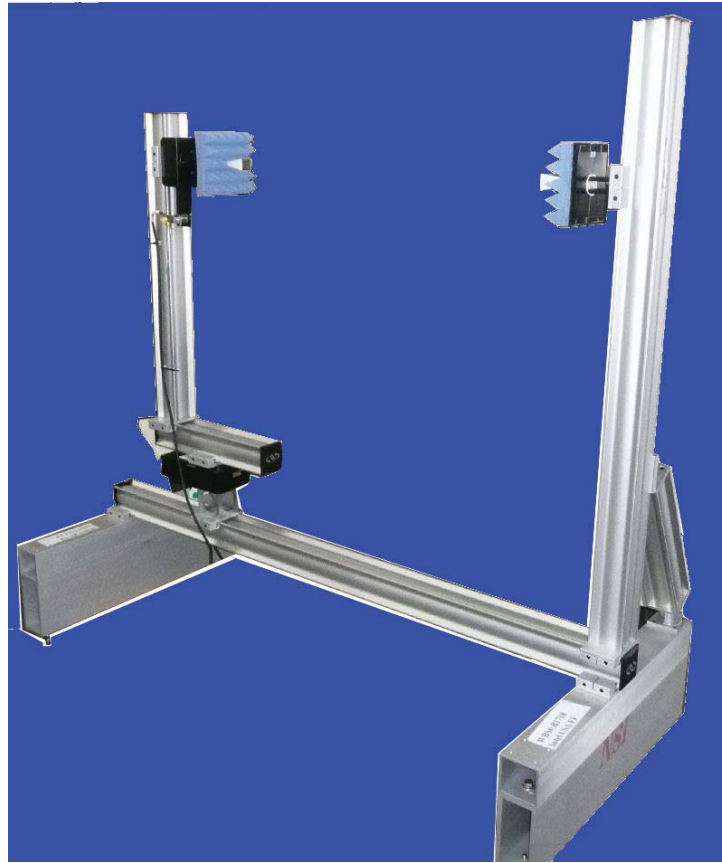


NSI-800F-102D

Far-field System with Phi over Azimuth Configuration



DESCRIPTION

The NSI model 800F-10-2D Far-field System with Phi over Azimuth configuration and Manual z adjustment is a cost-effective, easy-to-use system for taking far-field antenna measurements with the AUT at different Phi orientations. This system is compact and lightweight. It is ideal for testing small, lightweight, low gain antennas.

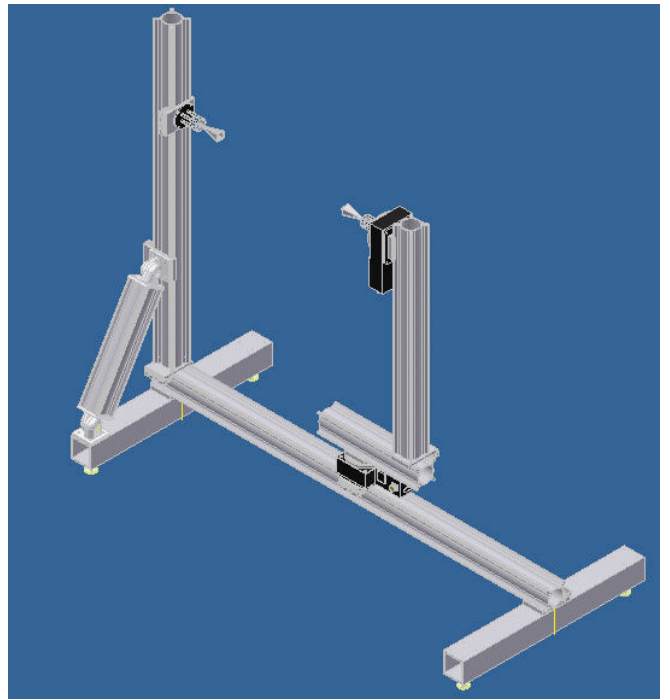
SYSTEM CAPABILITIES

The 800F-10-2D system supplies everything you need to begin testing of antennas with customer supplied RF equipment and source horn (Note, NSI can also supply these items if so desired). The system can interface to a variety of RF equipment, such as the Agilent PNA, Agilent ENA, to the NSI high performance RF equipment and more (contact NSI sales department for more information). The 800F-10-2D system consists of the following components:

- NSI's far-field data acquisition software
- Measurement workstation computer with large LCD monitor
- High precision NSI SC-5633 azimuth rotation stage with 26.5 GHz rotary joint
- NSI-SC-5633 phi rotation stage with 26.5 GHz rotary joint
- System controller, electronics, & motor cables
- TX horn support tower and AUT z rail with 5' (1.5m) manual travel
- Two 20' (6.1m) long flexible RF cables with SMA male connectors
- Interconnecting cables and documentation
- One year warranty

Lastly, the 800F-10-2D system can be easily upgraded with a computer controlled pol rotation stage to allow automated control of measurement polarization. By purchasing the NSI Spherical NF Add-on Software, the system can have full spherical near-field measurement capability.

SPECIFICATIONS	
Frequency Range	Depends on range of RF Equipment
Drive system	Precision Stepper Motors
Maximum Antenna Load	40 lbs (18 kg) at 9" CG off set
Maximum Antenna Diameter	20 inches (0.5 m)
Position Resolution	0.0125°
Position Repeatability	0.03°
Rotation Speed	40°/s
Measurement System	Measurement workstation computer with large LCD monitor
Motor Cable	Quick-connect; 40' (12.2m)
RF Cables	20' (6.1m); DC-20 GHz; with SMA connectors (Qty:2)
Rotary Joint	DC - 26.5 GHz
Supported RF Devices	NSI Panther Receiver Subsystem or selection of Agilent, Rohde & Schwarz and Anritsu VNA's (contact NSI for a complete list)
AC Power	100-240 VAC switchable, 50/60 Hz, 500 watts
Environmental	Indoor Rated



SYSTEM OPTIONS

- ◆ NSI-SC-5633 Rotation stage for TX antenna rotation
- ◆ NSI-RF-SGXX - Full complement of NSI Standard Gain Horns

Nearfield Systems, Incorporated

19730 Magellan Drive, Torrance, CA 90502, USA, Tel: 310.525.7000, Fax: 310.525.7100
 Email: sales@nearfield.com. Visit our website: www.nearfield.com