Dual Polarized Probes

Assembly Only

SPECIFICATIONS

Model	ANT-DPP-1.7-2.6-ABS
Frequency Range (GHz)	1.70 GHz–2.60 GHz
Waveguide Type	WR-430
Max Power (W)	50
Connector Type	2 x N-Female
Absorber Size: mm (in.)	203.2 (8) Pyramidal
Material	Aluminum

DIMENSIONS

Width: cm (in.)	55.8 (22)
Height: cm (in.)	55.8 (22)
Length: cm (in.)	103.1 (40.6)
Weight: kg (lb)	18.7 (41.3)

DESCRIPTION

NSI-MI offers a dual-linearly polarized, high-performance probe covering 1.7–2.6 GHz. This probe is designed specifically for near-field antenna measurements and come with a typical probe pattern correction coefficients for PNF and SNF measurements*. It covers a typical half-octave frequency band aligning with the standard waveguide bands. Additionally, the probe features a circular aperture that is ideal for spherical near-field measurements with knife-edge profiles that minimize backscatter in planar near-field antenna measurements. Our probes are high accuracy calibration items that come with standard absorber and a mounting cage compatible with most NSI-MI positioners. This larger sized probe is shipped in a re-usable and durable shipping container to protect your investment and is manufactured to provide many years of useful life in the measurement facility.

**PNF and SNF probe pattern coefficients provided are compatible with the NSI2000 software. CNF probe pattern coefficients may be available. Probe patterns may be available for the MI-3000 software. For other availability and compatibility with other antenna measurement software please contact sales.*

FEATURES

- **Dual-linear polarization**
- **Broad, stable beamwidths**
- **Low cross-polarization**

APPLICATIONS

- **Near-field antenna measurements**
- **Phase array testing**
- **Satellite antenna measurements**
- **General antenna testing**

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GENERAL CHARACTERISTICS

Nominal VSWR	1.8:1 (Max < 2.5:1)
Cross-polarization discrimination	> 35 dB
Port to port isolation	> 35 dB
Operating temperature range	10°C–50°C
Gain (nominal)	9.0 dBi
3 dB beamwidth	40°

INCLUDES

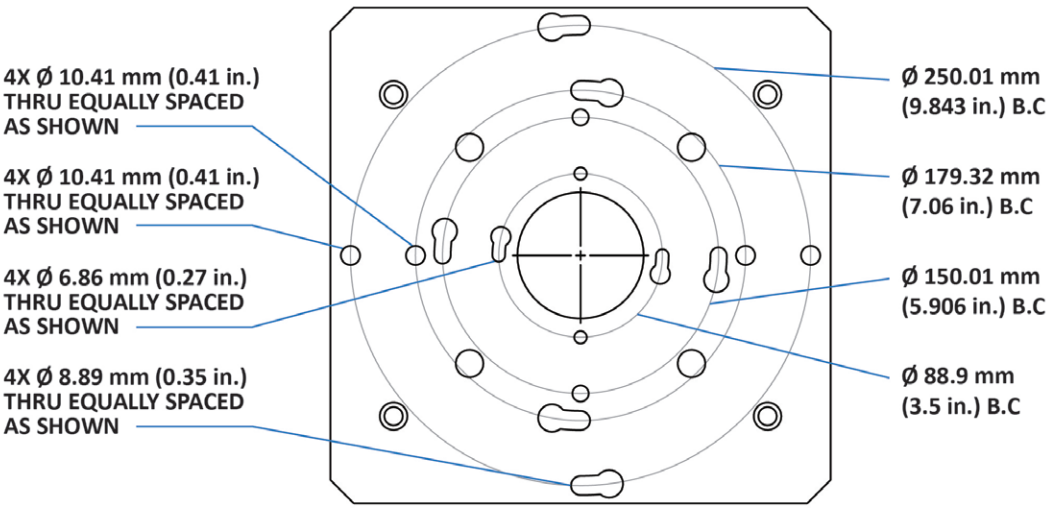
- ANT-DPP Dual Polarized Probe
- Storage case/container
- RF interface
- Mounting hardware and absorber
- User manual

The Dual Polarized Probes come shipped in either a storage case with custom-cut foam or a re-usable and durable shipping container for larger sized probes.

AVAILABLE ADD-ONS

- Probe specific gain and pattern calibration
- Calibration certificates

MOUNTING PLATE CONFIGURATION



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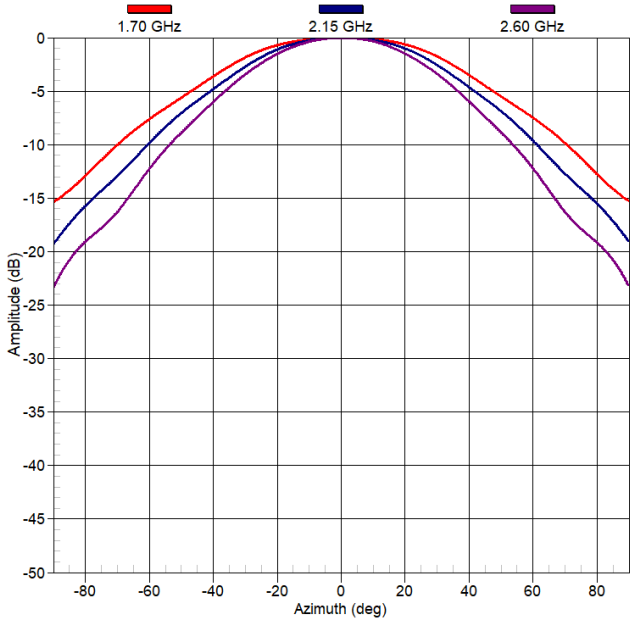
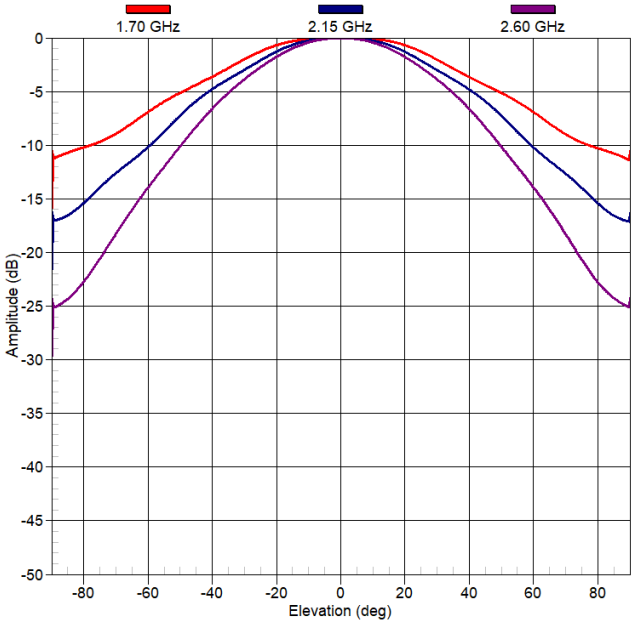
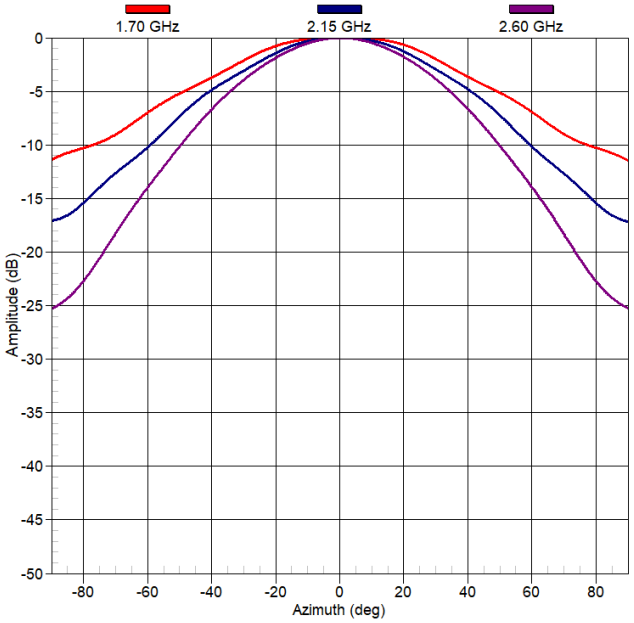
PORT 1 Horizontal-Cut



PORT 1 Vertical-Cut



PORT 2 Horizontal-Cut



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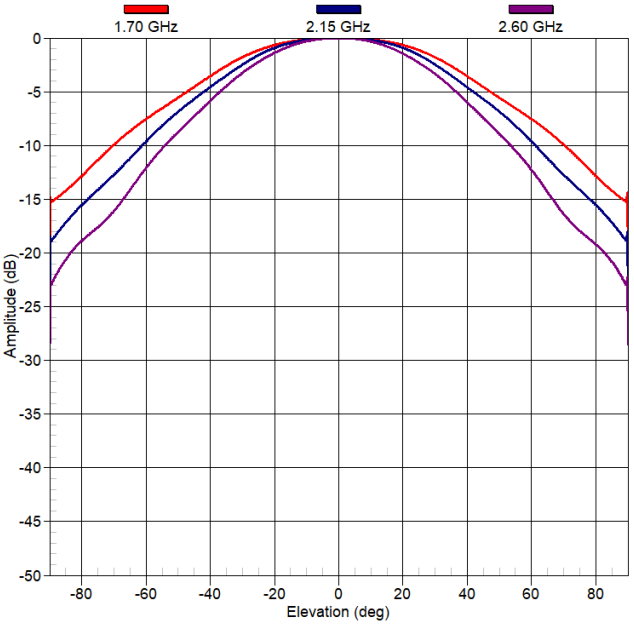

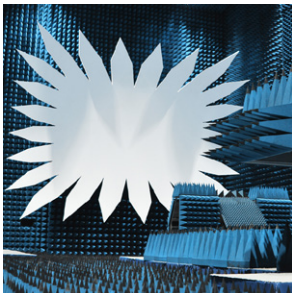

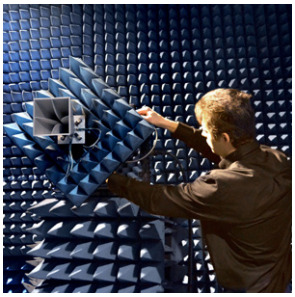

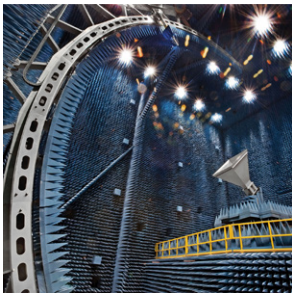

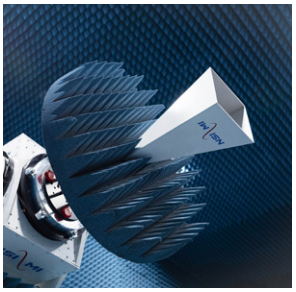

Test with Confidence

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NSI-MI Technologies introduced the world to microwave antenna measurement systems and is the preferred global supplier of antenna, radar cross section, and radome measurement solutions. Today, our innovative products, systems, and services lead the industry in setting new standards for tomorrow's performance. From world-class in-house testing facilities to delivering industry-leading turnkey systems, we provide the highest quality measurement products on the market.

Our full range of standard products and custom-designed systems are backed by our longstanding commitment to precision-engineered accuracy, reliability, and lasting performance. We provide the right solution for every RF measurement need and our worldwide network of service professionals are always available to offer support.

For more information on ordering NSI-MI Technologies' products, applications or services please contact your nearest NSI-MI office. Our complete sales team information is available at: www.nsi-mi.com/contact-us

ISO 9001:2015 CERTIFIED

Preferred Registrar Group Inc.

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF