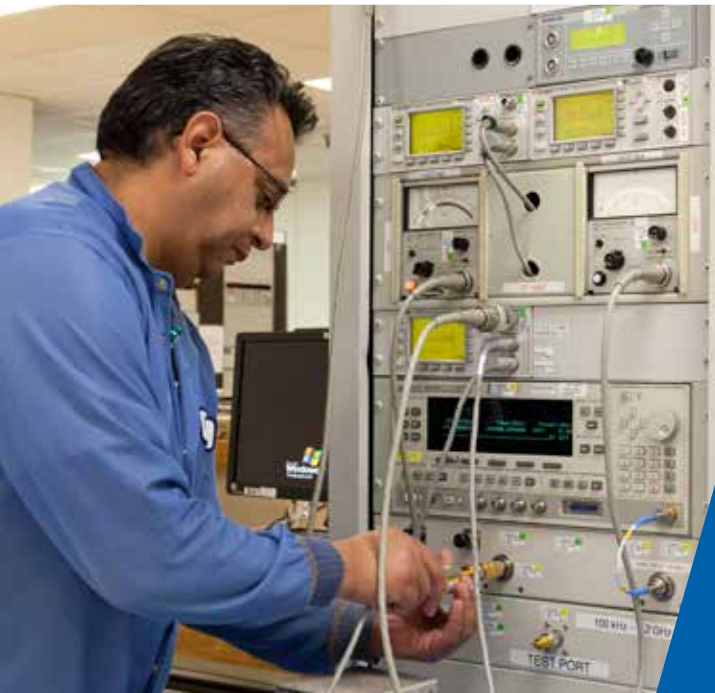




Certificate Number 3005.01

Metrology Services

ISO 17025 Accredited



THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Metrology Services

Northrop Grumman is a world-recognized and ISO 17025 accredited provider of metrology services, with extensive calibration and measurement capabilities ranging from DC to light. The technical expertise provided by our highly trained professionals offers comprehensive solutions for various test equipment needs. Rapid turnaround times allow increased utilization of customer assets, translating into improved financial performance.

ISO 17025 Accredited Calibrations

- S-parameters 45 MHz to 110 GHz
- RF power 100 KHz to 110 GHz
- RF noise 10 MHz to 110 GHz
- Time and frequency
- DC voltage
- AC voltage
- Resistance

Special Measurements

- Phase noise measurements
- Excess noise ratio measurements
- Microwave measurements to 110 GHz
- Electro-optical

Metrology Engineering

- Develop measurement methodology
- Uncertainty analysis
- Measurement systems/software development
- Calibration systems review and development
- Customized training
- Technical evaluation/assessment of capabilities

DC/Low Frequency	RF/Microwave	Physical	Dimensional	Electro-Optics/Fiber Optics
AC Voltage	Attenuation - 110 GHz*	Flow	Length	Laser Power
AC Current	RF Power - 110 GHz*	Viscosity	Surface Roughness	Photographic Step Table
AC Voltage - Ratio*	Noise Figure - 110 GHz	Mass	Flatness	Densitometers
Capacitance	Excess Noise Ratio - 110 GHz*	Force	Optical-Dimensional	Photometry
Inductance	Network Analysis	Torque	Angle	Ultra-Violet (UV)
Resistance*	Time and Frequency*	Vibration	Hardness	Solar Cell Irradiance
Phase	Spectrum Analysis	Acoustics	Theodelites	Spectral Irradiance
Low Frequency (2 GHz)	S-Parameters - 110 GHz	Pressure		Total Irradiance
Frequency Response		Vacuum		Fiber Optic Power Meters
Risetime		Leak		Fiber Optic Sources
DC Volt*		Temperature		Fiber Optic Attenuators
DC Current		Humidity		Optical Spectrum Analyzers
		Gas Analyzers		
		Air Velocity		
		Nuclear Radiation		
		Conductivity		

*Accredited Parameters

For more information, please contact:

Northrop Grumman Aerospace Systems
 Metrology Services
 310-813-0000
 metrology.services@ngc.com