



METROLOGY SERVICES

ISO 17025 ACCREDITED

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

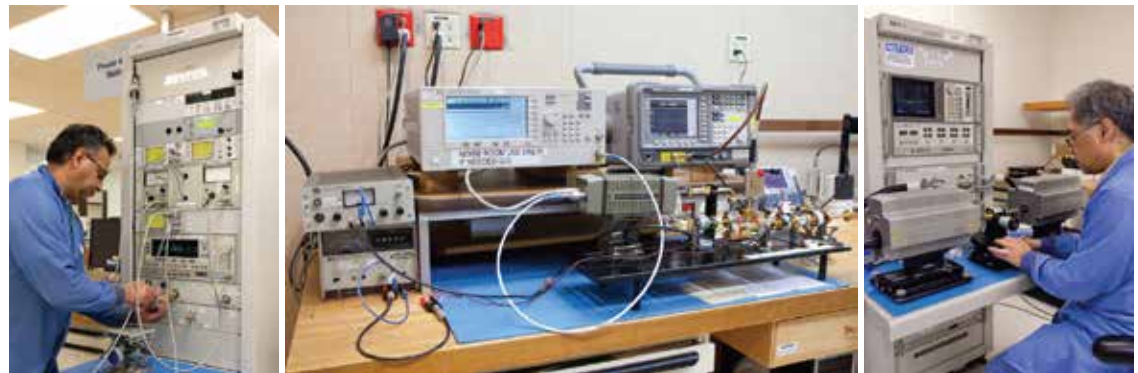
METROLOGY ENGINEERING

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



METROLOGY SERVICES

DC/Low Frequency	RF/Microwave	Physical	Dimensional	Electro-Optics/ Fiber Optics
AC Voltage	Network Analysis	Flow	Length	Laser Power
AC Current	Spectrum Analysis	Viscosity	Surface Roughness	Photographic Step Table
AC Voltage Ratio	Signal Analysis	Mass	Flatness	Densitometers
DC Voltage	Noise Figure	Force	Optical-Dimensional	Photometry
DC Current	Excess Noise Ratio (ENR)	Torque	Angle	Ultra-Violet (UV)
Resistance	Attenuation	Vibration	Hardness	Solar Cell Irradiance
Capacitance	Frequency	Acoustics	Theodolite	Spectral Irradiance
Inductance	Impedance	Pressure		Total Irradiance
Phase Angle	Phase Noise	Vacuum		Fiber Optic Power Meters
Phase/Fall Time	RF Power (absolute)	Leak		Fiber Optic Sources
Frequency Response	RF Power (power sensors)	Temperature		Fiber Optic Attenuators
		Humidity		Optical Spectrum Analyzers
		Gas Analyzers		
		Air Velocity		
		Conductivity		



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