**Facilities, Equipment and Other Resources at University of Florida**

The Radio Frequency Circuits and Systems Research Lab, led by Prof. Jenshan Lin and Prof. Joaquin Casanova, is equipped with RF/Microwave/mixed-signal test instruments and accessories. The lab is also equipped with computers with popular EDA tools (Agilent ADS, ANSYS Ansoft, Cadence) for designing RF wireless circuits, antennas, and systems.

The lab has an extensive array of test equipment, including the following major research instrumentations:

• Millimeter-Wave Vector Network Analyzer: 110GHz.

• Millimeter-Wave Spectrum Analyzer: 50GHz, extended to 325GHz with external mixers.

• RF Signal Generator: 250kHz-40GHz, +15dBm output power.

• RF Spectrum Analyzer: 9kHz-26.5GHz.

• Digital Sampling Oscilloscope: DC-26.5GHz.

• Phase Noise Analyzer: DC-26.5GHz, expandable to millimeter-wave and higher with external mixer.

• Cascade Semi-automatic RF Probe Station: capable of on-wafer testing of RF devices.

In addition, the following three research service centers in College of Engineering provide state-of-the-art fabrication facilities and analytical instruments. They can be used on hourly fee basis:

Nanoscale Research Facility (NRF) <https://nrf.aux.eng.ufl.edu>

Major Analytical Instrumentation Center (MAIC) <https://maic.aux.eng.ufl.edu>

Particle Analysis Instrumentation Center (PAIC) <http://maic.aux.eng.ufl.edu>