TESTING EQUIPMENT AND FACILITIES
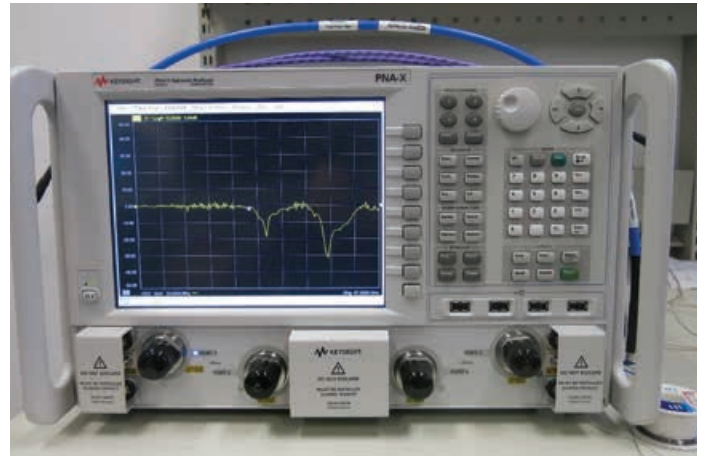

Measurement rooms with different testing equipment.
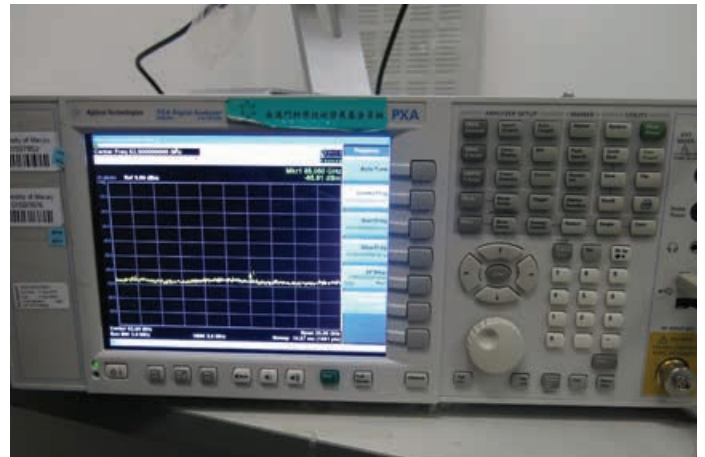
TESTING EQUIPMENT AND FACILITIES

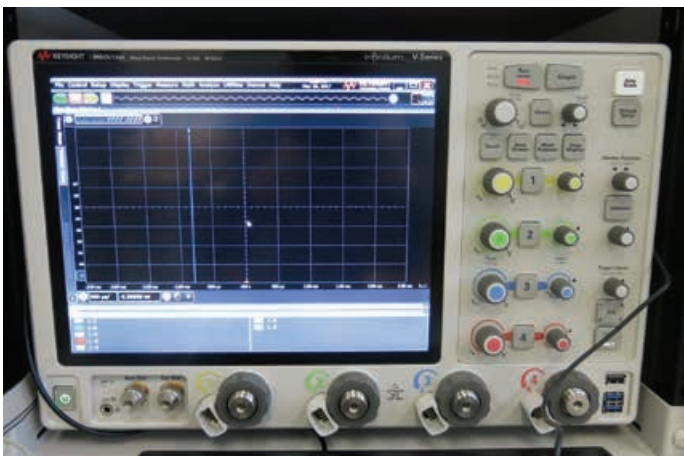Keysight 16802A 68 channel, 4 GHz timing, 250 MHz state Logic Analyzer

N5247A 67 GHz PNA-X 4 ports, dual source Microwave Network Analyzer

N6705B DC Power Analyzer Mainframe with precision DC power module

Keysight N9030A 50GHz PXA High Performance Signal Analyzer

MSOV134A 13 GHz, 4 Analog Plus 16 Digital Channels Mixed Signal Oscilloscope

Keysight B1500A Semiconductor Device Parameter Analyzer/Semiconductor Characterization System Mainframe

TESTING EQUIPMENT AND FACILITIES

Cascade PM5 Manual Analytical Probe Station/Base Machine and with SGS and SGSGS probes up to 65GHz

TESTING EQUIPMENT AND FACILITIES
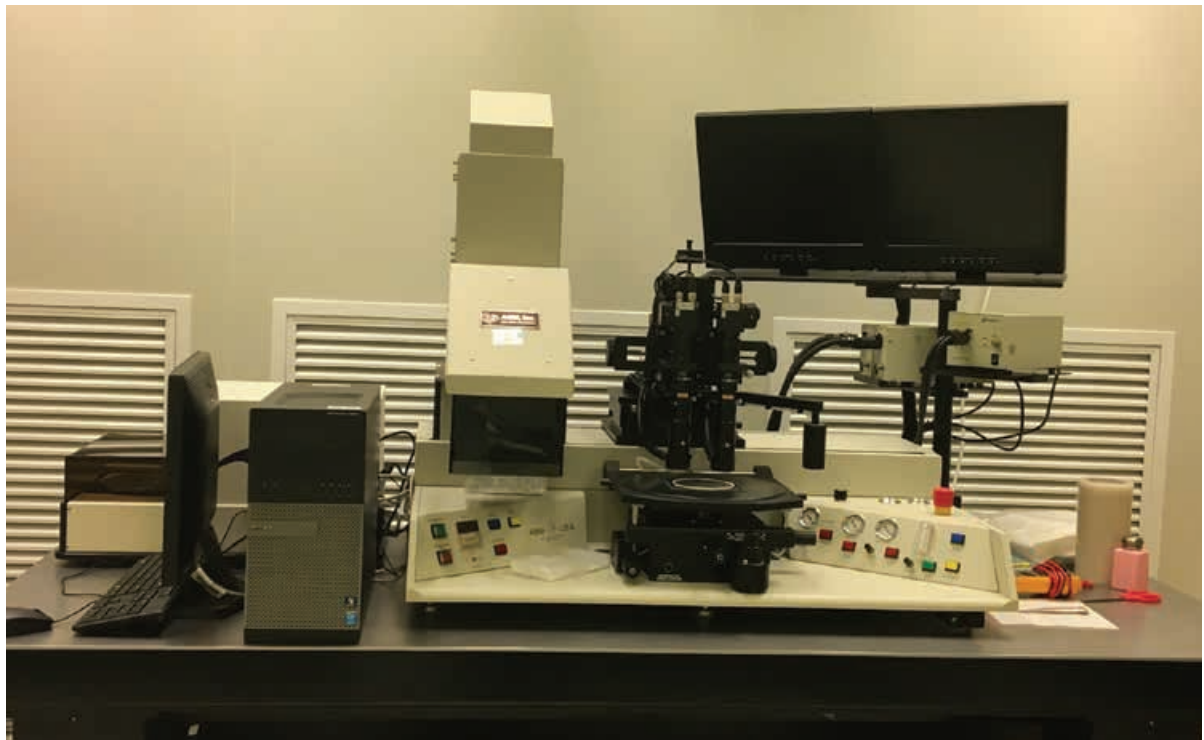

Cleanroom (Class 1000)

Wet Laboratory

TESTING EQUIPMENT AND FACILITIES

Fluorescence Microscopes

ABM Manual High Resolution Mask Aligner and UV Exposure System

TESTING EQUIPMENT AND FACILITIES

CORE SWITCH:

- H3C 10508 x 2: Switching capacity 1.5Tbps

STORAGE: EMC ISILON: CAPACITY:

- 194TB, 7 nodes and 140Gbps parallel data connections

CLOUD COMPUTING SERVERS:

- Over 60 servers and 250 PC clients, 1256 CPU cores and 5TB RAM in total,
  can run 150 multi-core microelectronics imulations simultaneously

SOFTWARE AND EDA TOOLS:

- Cadence: Custom Integrated Circuits Bundle (80 licenses), Digital Integrated Circuits Bundle (20 licenses)
- Mentor Graphics: Nanometer design bundle (30 licenses)
- Synopsys: Front-end University Bundle (35 licenses)
- Sonnet Professional with Floating Network License with High-Performance Solver Engine
- Matlab and Simulink