Illustration of Single Cell Microwave Measurement
**Fixture to Hold the Cell**

- **Endcap**
  - Provides repeatable boundary conditions
  - Its weight also provides a downward force

- **Input/Output Port**
  - Emits and detects microwaves

- **Delrin Pads**
  - Protect cell’s surface

- **Precision Ground Pins**
  - For positional repeatability

- **A DDS-3 Cell Placed in the Fixture**

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**Single Cell Microwave QC**
Fixture to Hold the Cell

A Cell in the Fixture, Ready to be Measured

Thermometer to Monitor Local Temperature

Single Cell Microwave QC
Network Analyzer

Display
- Monitors waveform
- Monitors test status
- Displays results

Input/Output Ports
- Only one is used for the single cell test

Single Cell Microwave QC