



Passive Intermodulation Testing Certification



The ETA Passive Intermodulation Testing (PIM) certification is a very specialized wireless communications exam that deals with signal interference.

Passive Intermodulation (PIM) is a form of interference where intermodulation mixing occurs within the confines of the transmission line and antenna network of a radio system. PIM is caused by microscopic discontinuities between connectors or other RF intermodulation generated in lower quality components inside of transmission lines, antennas, other peripheral devices such as lightning protectors or components that should not be guilty of having IM produced in that component.

The ETA PIM certification exam

- Assures site managers that quality antenna installation has taken place and meets the desired engineering propagation standard for that site
- Assure site managers that the PIM test set operator knows how to use the testing equipment hardware and can do so in a safe and harmless manner
- Is based on the IEC 60237 standard covering the installation of antennas, connectors, jumpers, and related antenna network elements, allowing the holder of the certification to use any manufacturer's test set at any frequency range

The ETA PIM exam covers topics such as:

- Passive Intermodulation
- PIM Technology Overview
- PIM Sources
- PIM Testing
- PIM Safety Overview
- PIM Results Interpretation
- Documenting PIM Tests
- Key Terms and Acronyms



For a complete list of study materials and competencies visit the ETA International website: www.eta-i.org