



Vaunix Technology Corporation
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Vaunix is a support company focused on the point to point and point to multipoint wireless industry. We currently operate an equipment repair center, a 24 x 7 technical support service, a system assembly and test center and product design consultancy.

The founders of the company have extensive experience in the design, manufacturing and support of microwave radios. Under a previous employer, we developed several generations of radio equipment and gained experience with all aspects of design from the IDU interface circuitry through the RF/microwave circuitry.

Capabilities

Repair

The Vaunix **Repair Center** specializes in point to point digital microwave radio repair and reconditioning but can also repair other wireless, wire-line and fiber optic equipment. This service includes any or all of the following processes:

- Troubleshooting and repair to module and component level
- Re-testing to manufacturers specifications
- Failure analysis reporting
- Tracking of returned material via online inventory control

Our Repair Center is capable of troubleshooting and repairing products from many major radio manufacturers including Nera Networks, Advanced Techcom, Stratex, Ceragon, P-Com, Alcatel, Harris, Proxim, Western Multiplex, Ericsson, etc.

We maintain substantial inventory of various products to assure a quick repair cycle.

After repair all equipment is subjected to full temperature screening to the manufacturers specified operating environment.

Vaunix maintains an extensive database of all on-going and completed repair activities offering a variety of trend/failure analysis reports.

Our repair technicians are trained and certified to the IPC soldering standards.

Technical Support

The **Technical Support** team can provide on site support an on-call, first line phone support with 24x7 coverage. Technically competent and trained individuals field calls and work with the customer to resolve issues.

System Assembly and Test

Vaunix has a fully equipped **System Assembly and Test** area with microwave test capabilities up to 40 GHz and data rate test capabilities including T1/E1, T3/E3, 10/100/1000 MB Ethernet up to STM-1/OC-3. Vaunix specializes in point to point digital microwave radio assembly and test but also processes other wireless, wire-line and fiber optic equipment.



Engineering Design Consulting

Vaunix provides **Engineering Design Consulting** services ranging from initial product conceptualization through to final design release and beyond. Vaunix can provide assistance when designing for manufacturability and when optimizing for efficient manufacturing flow. Other design services offered by Vaunix are:

- System design and analysis
- Circuit design and modeling
- Specific problem solving for existing circuit and system designs
- Assistance with regulatory testing
- Performance of stress analysis calculations
- Generation of reliability predictions

Equipment

Vaunix Technology has a wide variety of test equipment with up to date calibration records. The list below is a small sample of the current test equipment.

Spectrum Analyzers up to 40 GHz

Vector Network Analyzers up to 40 GHz

E1/T1 data analyzers

E3/DS3 data analyzers

Ethernet data analyzer

Signal generators

Power meters and sensors

Noise Figure meters

Temperature chambers of various sizes

Liquid Nitrogen temperature plate

Skills

Extensive knowledge of the microwave radio industry

System and Circuit Design experience

Technicians IPC Certified in soldering and rework

Technicians trained on a variety of OEM equipment including microwave radio, multiplexers, etc.

Summary

The people at Vaunix Technology Corporation are a dedicated group focused on exceeding customer expectations, providing only the best quality workmanship and developing long lasting mutually beneficial relationships with our clients.