

System Optimization Testing Service

- **Optimizes System Performance**
- **Provides Critical Technical Expertise**
- **Simplifies and Speeds System Deployment**

With the deployment of an ERI supplied transmission line system, a system test is performed using a network analyzer in order to optimize the VSWR performance of the complete RF system.

Typical Activities

1. Provide detailed knowledge of the specific customer RF transmission design and installation.
2. Install, calibrate, and use a network analyzer and other test equipment and adapters as needed to perform a system VSWR sweep measurement.
3. Inspect and verify that the system is maintaining pressure integrity. If there are unfound pressure leaks, the system must be on a working dehydration system in order to maintain a dry air condition internally.

4. Identify what adjustments need to be made in order to optimize system performance. Instruct the customer-furnished tower or installation crew in the correct methods for achieving these adjustments.
5. Diagnose problem areas and determine corrective action. Determine what action needs to be taken in order to correct problem areas.
6. Document all data and observations. Provide customer with final written report.

Note: Does not include a climber

Required Customer Supplied Information

Verify that system holds pressure 24 hours prior to service.

