

RF Generator Auto-Test System: RFG-ATS 01



- RFG-ATS 01 identifies when a generator requires attention, alerts the technician to remove the unit before it fails
- Automated suite of 3 test routines takes approximately 10 minutes to complete. Takes only moments to connect to your generator
- Test results are displayed with Pass / Fail indicated, data is stored and compared to previous test history
- At least 20% of reported failures are NPO which cost around \$1.3K each plus process disruption and lost production
- Incorrect diagnosis resulting in generator removal will disappear by bringing discipline and precision into failure analysis
- Enables you to implement a “preventative” maintenance strategy, which could significantly reduce repair costs and process downtime
- Early detection of impending failure will extend product life by avoiding “catastrophic” i.e. expensive and damaging events
- Tests include RF output, VSWR detection, and CEX bandwidth. Test data is easily ported via USB connector. These tests are to confirm, within specification, the calibration and control loop response.
- Rechargeable battery lasts up to 8 hours. Unit supplied with 10ft RF, Interface, CEX cables, charger and carrying case



RFG-ATS 01 units are supplied with four 10 ft. long cables comprising:

- 1 x 50 Ω 0.5' dia.coax cable fitted with "N" connectors for RF tests.
- 2 x 50 Ω miniature coax cables with BNC + SMA connectors for CEX (Phase Locked Loop) tests.
- 1 x 25 pin "D" shell connector cable for user interface connection.
- 1x Right angle "N" connector is provided to enable convenient cable connection to the tester.
- 1 x "HN" to "N" adapter is also supplied for user convenience.



This screen shot shows the performance of this generator as an average of stored data from previous tests, the dotted line represents an ideal result. The most recent test shows a change in RF output vs. setpoint.





