



974 Niemi Rd. Woodland, WA. 98674, USA
Phone (360)-719-0717
service@northwesttest.com
www.northwesttest.com

Test Equipment Repairs

Northwest Test provides cost-effective component-level repair services for Keysight/Agilent/HP test and measurement equipment. Designing and building our own extender boards is evidence of our level of repair commitment. Many test equipment repair companies can only replace assembly-level parts and are unable to do cost-effective component-level repairs. We strive to provide excellent service at reasonable prices.

Our process is simple!

- Send us your broken test equipment
- We'll provide a free instrument evaluation and repair cost estimate
- Upon approval, quick and quality service of your unit will be given so that you can get back to doing the work you do.

We specialize in repairing the following Keysight/Agilent/HP spectrum analyzers, network analyzers, and signal generators, operating up to 50GHz:

Agilent X-series Signal Analyzers

N9040B	N9030A
N9020A	N9010A
N9000A	N9038A

- Does your instrument fail RF align or display an LO unlock error? We can fix it right!

Agilent PSA, ESA and 8560 series Spectrum Analyzers

PSA

E4440A	E4443A
E4445A	E4446A
E4448A	

ESA

E4401B	E4402B	E4403B
E4404B	E4405B	E4407B
E4408B	E4411A	E4411B

8560 Series

8560E	8560EC	8561E
8561EC	8562E	8562EC
8563E	8563EC	8564E
8564EC	8565E	8565EC

- We repair down to component level and fully support all failures.
- We have the complete documentation and software required to properly align the units post repair to ensure unit fully meets OEM specifications.

Agilent PNA, ENA, and 87xx-series Network Analyzers

PNA series

E8356A	E8357A	E8358A	E8362A
E8362B	E8362C	E8363A	E8363B
E8363C	E8364A	E8364B	E8364C
N5221A	N5222A	N5224A	N5225A
N5230A	N5230C	N5231A	N5232A
N5234A	N5235A	N5239A	N5241A
N5242A	N5244A	N5245A	N5249A

ENA series

E5061A	E5061B	E5062A	E5063A
E5070B	E5071A	E5071B	E5071C
E5072A	E5080A		

- We repair down to component-level and have the OEM open-short-loads and software needed to run the corrections, ensuring every repair will pass calibration.

87xx-series VNA

8719C	8719D	8719ES	8719ET
8720C	8720D	8720ES	8720ET
8722C	8722D	8722ES	8722ET
8753C	8753D	8753E	8753ES
8753ET			

- A mainstay for many companies. We can fix whatever failure you are having.

Agilent X-series Signal Generators

N5161A	N5162A	N5171B	N5172B
N5173B	N5181A	N5181B	N5182A
N5182B	N5183A	N5183B	

Agilent ESG and PSG series Signal Generators

ESG series

E4400B	E4420B	E4421B	E4422B
E4423B	E4424B	E4425B	E4426B
E4428C	E4430B	E4432B	E4433B
E4434B	E4435B	E4436B	E4437B
E4438C			

PSG series

E8241A	E8247C	E8251A	E8254A
E8257C	E8257D	E8267C	E8267D

Agilent 836xx series Signal Generators

83620A	83620B	83621A	83621B
83622A	83623A	83623B	83630A
83630B	83630L	83631B	83640A
83640B	83640L	83650A	83650B
83650L	83651A	83651B	

- We have gone the extra mile with this venerable series.
- We can rebuild every module on the RF deck, including the low band module (p/n 5086-7463), as well as all the circuit boards in the rest of the instrument.
- We know the common failure and can go to component level ensuring that the 836xx series will be supported for many years to come.

RHYTHM and SBTX tower assemblies

RHYTHM assemblies

5086-7884

5086-7981

5087-7070

5087-7183

5087-7034

5087-7031

SBTX assembly, p/n 5086-7930 & 5086-7883

SBTX assembly, p/n 5087-7184 & 5087-7185

Used in these units:

HP 8562E / EC spectrum analyzers

HP 8563E / EC spectrum analyzers

PSA E444x series

ESA E4404B spectrum analyzers

ESA E4405B spectrum analyzers

ESA E4407B spectrum analyzers

ESA E4408B spectrum analyzers

HP 8564 E / EC spectrum analyzers

HP 8565 E / EC spectrum analyzers

PSA E4446A spectrum analyzers

PSA E4448A spectrum analyzers

- Your RHYTHM and SBTX tower assemblies are rebuilt with a 90-day warranty.

CRT and/or LCD Replacement

Let us replace your worn out CRT and/or LCD with a new one. We can help with the following models:

4155B	4194A	4195A	8510A
8510B	8510C	8530A	8542E
8546A	8560A	8560E	8560EC
8561A	8561B	8561E	8562A
8562B	8562E	8563A	8563E
8564R	8565E	8566A	8566B
8567A	8568A	8568B	8590A
8590B	8590D	8590E	8590L
8591A	8591C	8591E	8591EM
8592A	8592B	8592D	8592L
8593A	8593E	8593EM	8594A
8594E	8594EM	8594L	8594Q
8595A	8595E	8595EM	8596E
8702D	8703A	8719A	8719B
8719C	8719D	8720A	8720B
8720C	8720D	8720ES	8720ET
8722A	8722C	8722D	8722ES
8722ET	8751A	8752C	8753A
8753B	8753C	8753D	8753E

8753ES	8753ET	8757A	8757C
8757D	8757E	8920A	8920B
8921A	87410A	89441A	89441V
ESA E440xB series			

- New models are added each month.

Other Models

We support and repair many other models that aren't listed. If you have a Spectrum, Signal or Network Analyzer or any Signal generator that you don't see listed, please contact us for support at service@northwesttest.com. Remember, we support down to component level.

About Us

With over 25 years of on the bench repair experience, a world-class RF repair technician, and access to our amazing engineering team on staff, there is no problem that we can't solve. At Northwest Test, repairing instruments is not about whether or not it can be done but rather ensuring that every repair is economical for the customer and adding value to all your support needs. We look forward to hearing from you.