

## Big Deal

- Fully integrated test system
- 80 output channels
- 1W saturated power per channel
- Coverage of 2500-6000 MHz cellular bands

## Typical Applications

- High Temperature Operating Life (HTOL)
- High power burn-in / RF stress testing
- Semi-conductor / component qualification
- High power signal source & distribution
- EMC / EMI testing

## Product Overview

HTOL (high temperature operating life) is a test methodology intended to stress a device over an extended period of time, allowing calculation of a device's long-term reliability. The test is applicable to a wide range of component manufacturing applications, IC manufacturers in particular, including amplifiers, filters and transceivers.

The concept requires a high power signal source and an RF splitter system to distribute a test signal over a large number of DUT (device under test) channels in parallel, allowing a statistically significant calculation of reliability to be made.

HTOL-2500-6000-1W is a ready-made, integrated test system, designed for HTOL / burn-in test applications. The complete setup is supplied in a standard 19" rack cabinet and is capable of driving 80 parallel DUT at 1W each in the 2500-6000 MHz band.

The four independent signal sources can be controlled via USB or Ethernet (supporting both HTTP and Telnet network protocols). Full software support is provided, including our user-friendly GUI application for Windows and a full API with programming instructions for Windows and Linux environment.



## System Mechanical Specifications

<b>Dimensions</b>	19" (W) x 28U (H) x 20" (D)			
<b>RF Connectors</b>	<b>Panel</b>	<b>Connector</b>	<b>Quantity</b>	<b>Function</b>
	Front	SMA female	80	DUT connections
<b>Power Supply</b>	AC mains power input (90-260 V, 47-63 Hz)			
<b>Temperature</b>	Operating: 0 to +50 °C			

## Included Modules

Module Part #	Quantity	Rack Height	Function
SSG-6000RC	4	N/A	CW signal source (25-6000 MHz)
HPA-100W-63+	4	3U	High power amplifier (2500-6000 MHz, 100W saturated)
ZT-20HPS-63+	4	2U	20-way power splitter (2500-6000 MHz, 100W input)

## Functional Block Diagram

