



### Certificate of Calibration

**Manufacturer:** Hewlett Packard Corp  
**Description:** Analyzer, Spectrum  
**Model #:** 8594E  
**Serial #:** 3325A00532

**Report #:** 320557  
**P.O. #:** 48654  
**Procedure:** SureCal  
**Asset #:** R-03764

**Customer:** HM Electronics  
 14110 Stowe Drive  
 Poway, CA 92064

*This certifies that the above instrument was calibrated in compliance with the Calibration Systems Requirement of ISO/IEC 17025:2005 in accordance with referenced procedures. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type calibrations. Expanded uncertainties are determined as required with a distribution that corresponds to a probability of approximately 95%(2sigma), no sampling plan or other process was used for this calibration, the results reported herein apply only to the calibration of the item described above. All calibrations are performed to manufacturer's specifications, unless otherwise noted. Customer has been contacted concerning re-certification interval and documentation has been received and is on file. This form shall not be reproduced, except in full, without the expressed written consent of TechmasterElectronics.*

**Condition Received:** Customer Noted Problem  
**Condition Returned:** In Tolerance  
**Temperature:** 23° C  
**Relative Humidity:** 45%

**Calibration Cycle:** 12 Months  
**Calibration Date:** 04/14/2011  
**Next Due Date:** 04/14/2012  
**Certified By:** Williamson, Breeanne

#### Standards Utilized

<u>Standard #</u>	<u>Manufacturer</u>	<u>Model #</u>	<u>Due Date</u>	<u>Test Report #</u>
5401	Hewlett Packard Corp	8482A	7/15/2011	306458
5428	Hewlett Packard Corp	8565E	1/28/2012	315260
5240	Hewlett Packard Corp	83650B	6/7/2011	303538
5345	Hewlett Packard Corp	436A	3/23/2012	320280
5492	Hewlett Packard Corp	8116A	11/11/2011	312658
801	Hewlett Packard Corp	8487A	4/6/2012	321056
5349	HEWLETT PACKARD	3335A	4/19/2011	281968
5501	Agilent Technologies	53132A	12/7/2011	314200
5347	Hewlett Packard Corp	8484A	4/5/2012	320990
760	Hewlett Packard Corp	8340B	6/3/2011	281985
5403	Agilent Technologies	11667B	11/4/2011	312269
5417	Hewlett Packard Corp	5343A	10/13/2011	311152
5451	Hewlett Packard Corp	8663A	5/12/2012	281728

Special Remarks or Requirements:

*B. Williamson* TEI  
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 Quality Inspector