



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

October 6, 2014

Via E-mail

Neil Dougherty
Senior Vice President and Chief Financial Officer
Keysight Technologies, Inc.
1400 Fountaingrove Parkway
Santa Rosa, CA 95403

**Re: Keysight Technologies, Inc.
Registration Statement on Form 10
Filed March 5, 2014
File No. 001-36334**

Dear Mr. Dougherty:

We have completed our review of your filing. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filing and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filing to be certain that the filing includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Russell Mancuso

Russell Mancuso
Branch Chief

cc (via e-mail): Stephen Williams