



DIVISION OF
CORPORATION FINANCE

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

September 26, 2011

Via E-mail

Mr. Walter Z. Berger
Executive Vice President and Chief Financial Officer
Leap Wireless International, Inc.
5887 Copley Drive
San Diego, CA 92111

**Re: Leap Wireless International, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2010
Filed February 25, 2011
Form 10-K/A for the Fiscal Year Ended December 31, 2010
Filed April 29, 2011
File No. 001-34865**

Dear Mr. Berger:

We have completed our review of your filings. 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 filings 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 filings to be certain that the filings includes the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/ Robert S. Littlepage for

Larry Spigel
Assistant Director