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November 14, 2013

Timco Engineering Inc.
Telecommunication Certification Bodies
849 NW State Road 45
Newberry, Florida 32669

Subject: Application for Original Equipment Certification under FCC ID: AS5BBTRX-10A for 9764 MetroCell Outdoor (MCO) Access Point (AP) Module, Operating in the, 2400-2483.5MHz DTS band (Digital Transmission Systems) and 5725-5825MHz UNII-3 band (Unlicensed National Information Infrastructure Devices).

Dear Examiner:

In accordance with Parts 2 and 15 of the Commission's Rules and Regulations, we are submitting herewith statements and supporting data to show compliance with the requirements of the Commission for the certification of the Alcatel-Lucent 9764 LightRadio™ MetroCell AP Module, henceforth Wi-Fi AP, under FCC ID AS5BBTRX-10A, for operation in the domestic 2400-2483.5MHz DTS band and 5725-5825MHz UNII-3 band.

The 9764 MCO Wi-Fi AP module is an optional component attached to a 9764 MetroCell Outdoor, a small base station, in public places for high-density hotspots. The Wi-Fi AP is a plug-in module and is installed on the bottom of the 9764 MetroCell. The WiFi AP gets its DC power source from the MetroCell through an interface connector between MetroCell and WiFi AP.

The WiFi AP has two Tx/Rx ports which support MIMO (Multiple Input Multiple Output) operation. It has a choice for installing two different types of antenna modules: high-gain antenna module and medium-gain antenna module. Each antenna module consists of a 2.4GHz antenna and a 5GHz antenna. Each antenna has two built-in ports and two antenna elements where two antenna elements are connected to Tx/Rx Port 1 and Tx/Rx Port 2, respectively.

The data summarized below is in the form presently used by the Commission's Radio Equipment List.

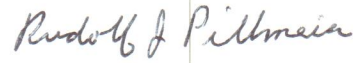
Manufacturer	Alcatel-Lucent, Inc.
Equipment Identification	AS5BBTRX-10A
Rules Part Number	Part 15C and 15E
Frequency Range	Transmit: 2400-2483.5MHz DTS band and 5725-5825MHz UNII band.
Conducted Output Power	0-22dBm per chain and 3-25dBm total for 2.4 DTS Band 0-18dBm per chain and 3-21dBm total for 5.8GHz UNII-3 Band
Max EIRP Power	-2-28dBm per chain and 1-31dBm total for 2.4 DTS Band -2-26dBm per chain and 1-29dBm total for 5.8GHz UNII-3 Band

Enclosed in this application package are the FCC Application Form 731, letter of Request for Confidentiality, Table of Contents and the required exhibits. These exhibits contain the technical data and the required

statements and documents for equipment certification. The technical contact at Alcatel-Lucent will comply with any request for additional information should the need arise.

The fees are submitted as required for radio equipment certification filing.

Sincerely,

A handwritten signature in cursive script that reads "Rudolf J. Pillmeier".

R.J. Pillmeier
Technical Manager
FCC Compliance Test Group