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**May 14, 2014**

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

Subject: Application for Class II Permissive Change under FCC ID: AS5BBTRX-10A for 9764 MetroCell Outdoor (MCO) Access Point (AP) Module, Operating in the 5.8 GHz DTS (Digital Transmission Systems) Band (5725-5850MHz).

**Dear Examiner:**

The Alcatel-Lucent 9764 LightRadio™ MetroCell AP Module, henceforth Wi-Fi AP, has been authorized and granted under FCC ID AS5BBTRX-10A, effective December 3, 2013, for operation in the domestic 2400-2483.5MHz DTS band and 5725-5825MHz UNII-3 band. The purpose of this Class II Permissive Change Application is to obtain authorization for the above Wi-Fi AP for operating in the 5725-5850 MHz DTS band.

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 Class II permissive change certification of the Alcatel-Lucent 9764 LightRadio™ MetroCell AP Module under FCC ID AS5BBTRX-10A, for operation in the 5725-5850 DTS 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 Wi-Fi AP gets its DC power source from the MetroCell through an interface connector between MetroCell and Wi-Fi AP.

The Wi-Fi 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
Frequency Range	Transmit: 5750-5850 DTS band.
Conducted Output Power	0-18dBm per chain and 3-21dBm total for 5.8GHz DTS Band
EIRP Power	-2-26.2dBm per chain and 1-29.2dBm total

Only the documents, photos and testing data, which are affected by this Class II permissive change, are being submitted. Those documents and responses submitted to the FCC in the previous certification applications under AS5BBTRX-10A, which are still valid for this application, are not being resubmitted. There is no change in the Wi-Fi AP hardware. The EUT operating in the 5.8GHz DTS band has the same maximum power setting and antenna gain as operating in the 5.8GHz UNII-3 band. Therefore, the minimum RF safety distance for operating in the 5.8GHz DTS band is same as in operating in the 5.8GHz UNII-3 band. Therefore, most of the exhibits, except the test report submitted in the original certification under AS5BBTRX-10A are still valid. Only FCC Application Form 731 and test reports are enclosed in this application package. 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,



R.J. Pillmeier  
Technical Manager  
FCC Compliance Test Group