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600-700 Mountain Ave.
PO Box 636
Murray Hill, NJ 07974

November 20, 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-14 for MCI 2x250mW Base Station, Operating in the Personal Communications Services, 1930-1995MHz, with LTE Technology

Dear Examiner:

In accordance with Parts 2 and 24 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 9763 LightRadio™ Multiple Input Multiple Output (MIMO) Metro Cell Indoor (MCI) 2x250mW, henceforth MCI PCS 2x250mW, under FCC ID AS5BBTRX-14, for operation in the domestic PCS A, D, B, E, F, C and G bands (1930-1995 MHz), i.e., E-UTRAN band 25, with Long Term Evolution (LTE) technology.

The Metro Cell is a small cell, designed to be deployed as an overlay in an existing macro coverage area to provide increased throughput and coverage in the public open areas. The MCI 2x250mW supports MIMO with 2 transmit and 2 receive streams. The MCI PCS has two antenna ports. The maximum output power of each port is 24dBm or 250mW, i.e., 0.5W (27dBm) in total. The MCI PCS 2x250mW was powered by a AC power supply with 120 VAC and 60 Hz.

The Metro 2x250mW consists of a Digital/RF Analog board (DA), Power Amplifier Board (PA), Power Module and RF Filter.

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

Manufacturer	Alcatel-Lucent, Inc.
Equipment Identification	AS5BBTRX-14
Rules Part Number	Part 24
Frequency Range	Transmit: 1930-1995MHz, Receive: 1850-1915 MHz.
Output Power	0-250mW per LTE carrier, 0-250mW per Tx Port, 0-0.5W per Unit
Frequency Tolerance	± 0.05 ppm
Emission Designator	4M48F9W

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,

Rudolf J. Pillmeier

R.J. Pillmeier
Technical Manager
FCC Compliance Test Group

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