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November 28, 2012

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

Subject: Application for Class II Permissive Change under FCC ID: AS5ONEBTS-26 for 850 RRH 2x60W Base Station, Operating in the Cellular Wireless Services, 869-894MHz, with LTE Technology

Dear Examiner:

The Alcatel-Lucent 850 RRH (Remote Radio Head) 2x60W Base Station has been authorized and granted under FCC ID: AS5ONEBTS-26, effective March 26, 2012, for operating in the Cellular (869-894MHz) with Universal Mobile Telecommunications System (UMTS) technology. The purpose of this Class II Permissive Change Application is to extend the current authorization under AS5ONEBTS-26 for the Alcatel-Lucent RRH 2x60W 850MHz Distributed Base Station to cover Long Term Evolution (LTE) technology.

The distributed wireless RRH base station system is comprised of two separate modules 1) the digital Base Band Unit (BBU) and 2) the RRH. These two modules are interconnected by Common Public Radio Interface (CPRI) through optic fiber or metallic coax cables when the separation is less than 3m for indoor deployment. The RRH contains all RF (radio frequency) functionality, including transceiver, power amplifier and transmitting and receiving filters. The BBU provides the digital baseband signals, plus the timing reference signal to the RRH. The BBU can be a unit specially designed for the distributed application or utilize the digital baseband shelf of a non-distributed base station system. The BBU and RRH units can be co-located or remotely located.

The Alcatel-Lucent 850 RRH 2x60W LTE Distributed Base Station, henceforth 850 LTE RRH, supports both 5MHz and 10MHz LTE carriers. It has 2 antenna ports. It can provide up to 60 Watts (47.8dBm) per carrier and per port and 120 Watts (50.8dBm) per RRH at the base station transmitting antenna terminals, the same as the certified 850 UMTS RRH distributed base station. The 850 RRH LTE 2x60W also supports transmit diversity and/or 2x2 MIMO (Multiple Input Multiple Output) operation for LTE.

The hardware of the 850 LTE RRH is identical to that of the 850 UMTS RRH. There are no modifications in the transmitting and receiving frequency ranges, the basic carrier frequency determining circuitry, the basic modulation circuit, the network interface circuitry and the major RF components (transmitter and power amplifier in the RRH) certified under AS5ONEBTS-26 for the 850 UMTS RRH. The 850 LTE RRH 2x60W is powered by -48VDC and currently is available in indoor and outdoor versions.

Per CFR 47 Part 2.1043, a Class II permissive authorization is requested to authorize the 850 LTE RRH distributed base station under the existing FCCID AS5ONEBTS-26.

In accordance with CFR 47 Parts 2 and 22 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 850 LTE RRH 2x60 Distributed Base Station System under FCC ID AS5ONEBTS-26, for operation in the domestic Cellular Wireless Services A", A, B, A' and B' bands (869-894 MHz), E-UTRAN band 5, with LTE technology. 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 AS5ONEBTS-26, which are still valid for this application, are not being resubmitted.

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

Manufacturer	Alcatel-Lucent, Inc.
Equipment Identification	AS5ONEBTS-26
Rules Part Number	Part 22
Frequency Range	Transmit: 869-894MHz, Receive: 824–849 MHz
Output Power	0-60W per LTE carrier, 0-60W per Tx Port, 0-120W per Unit
Frequency Tolerance	± 0.05 ppm
Emission Designator	5M00F9W, 10M0F9W

Enclosed in this application package are the FCC Application Form 731, 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