



Alcatel-Lucent USA
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March 10, 2015

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

Subject: Application for Original Equipment Certification under FCC ID: AS5BBTRX-23 for Alcatel-Lucent Remote Radio Head (RRH) 4x30W Base Station, Operating in the Miscellaneous Wireless Communications Services, 746 - 756 MHz, with LTE Technology.

Dear Examiner:

In accordance with Parts 2 and 27 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 **B13 RRH 4X30**, henceforth RRH 4x30, under FCC ID AS5BBTRX-23, for operation in the domestic 700 Upper band C (Tx: 746-756 MHz and Rx 777-787 MHz), i.e., E-UTRAN band 13, with Long Term Evolution (LTE) technology.

The RRH 4x30 has four antenna ports. The RRH 4x30 supports 2x60W with 2 transmit and 2 receive streams. The maximum output power of the 2x60 is 120 watts or 50.8dBm. The **RRH 4X30** was powered by a DC power supply with -48VDC.

The RRH 4x30 consists of a Control Unit board (CU), 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-23
Rules Part Number	Part 27
Frequency Range	Transmit: 746-756 MHz, Receive: 777-787 MHz.
Output Power	0 - 60W per LTE carrier, 120W per Unit for 2x60W configuration.
Frequency Tolerance	± 0.05 ppm
Emission Designators	9M00F9W

Enclosed in this application package are the FCC Application Form 731, letter of Request for Confidentiality, Table of Contents, used in the application 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,

R.J. Pillmeier
Technical Manager
FCC Compliance Test Group