

Alcatel-Lucent USA  
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PO Box 636  
Murray Hill, NJ 07974

September 5, 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-17 to add 20 MHz Bandwidth Configuration.**

**Dear Examiner:**

The initial/original Grant of Equipment Authorization, under FCC ID: AS5BBTRX-17, was issued effective 1/9/2014. The original submittal covered single carrier configuration for 10 MHz, operated in a 2x5W MIMO mode. This Class II Permissive Change requests authorization for the addition of 20 MHz bandwidth configuration, also operating in a 2x5W MIMO mode. Both the original and this Class II filing employ three LTE modulation schemes: QPSK, 16QAM and 64QAM. The authorized 45 MHz spectrum is specified in Rule Part 27.5: 2110 – 2155 MHz Down Link (DL) paired with 1710 – 1755 MHz Up Link (UL).

In accordance with Sec. 2.1043 Changes In Certificated Equipment, only the characteristics affected by the change need to be reported. As such, the applicable measurements affected are contained in the Test Report Exhibits, and all other Exhibits submitted with the initial/original filing, that remain unchanged will not be repeated. All initial exhibits, that were granted permanent confidentiality and are unchanged, continue to remain confidential, and will not be repeated with this submission.

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

Manufacturer	Alcatel-Lucent, Inc.
Equipment Identification	AS5BBTRX-17
Rules Part Number	Part 27 SubPart E - Broadband AWS
Frequency Range	Transmit: 2110-2155MHz (AWS All Blocks A - F)
Output Power	0 - 5W per LTE carrier, 0 - 5W per Tx Port
Frequency Tolerance	± 0.05 ppm
Emission Designator	17M91F9W

Enclosed in this application package are the FCC Application Form 731, letter of Request for Confidentiality, Table of Contents, List of Acronyms used in the application and the required exhibits. These exhibits contain the technical data and the required statements and documents for the Class II Permissive change. 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 black ink that reads "Rudolf J. Pillmeier". The signature is written in a cursive style with a large initial 'R'.

R.J. Pillmeier  
Technical Manager  
FCC Compliance Test Group