



Alcatel-Lucent USA
Rm. 5B-111
600-700 Mountain Ave.
PO Box 636
Murray Hill, NJ 07974

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

September 29, 2016

Dear Mr. Sanders

The Alcatel-Lucent **PCS RRH 4x45W** is the subject of this request for a FCC Class II Permissive Change under **FCC ID: AS5BBTRX-05**. The **PCS RRH 4x45W** is a 65 MHz bandwidth LTE Transceiver with a power output capability of 45 W at each of its 4 MIMO transmit port outputs. This product was originally authorized under **FCC ID: AS5BBTRX-05** as a 45 watt per port PCS Radio Head Transceiver for **1M25F9W** CDMA and **5M00F9W** LTE in the extended PCS Band 25 spectrum. Alcatel-Lucent hereby requests this Class II Permissive Change to add 10+5 MHz LTE Configurations. The current product, designated on the equipment label as **PCS RRH 4x45W**, incorporates the same radio, the same power amplifier, and the same digital (D/A) circuitry. There is no change to the radio frequency determining and stabilization circuitry. The only change is to the controlling software.

The original FCC Product Certification authorized operation was Granted on 04/30/2012 for the entire 1930-1995 MHz downlink band. Class II Change for the addition of a greater capacity 10 MHz LTE designator was added on 7/9/2015. The per port maximum power rating remains unchanged at 45W per port when operated as a 4x MIMO LTE transmitter. The measurement exhibits attached to this application demonstrate full compliance with FCC Part 24.238 and KDB 662911 D1 and following the procedural requirements specified in FCC Part 2 Subpart J – Equipment Authorization Procedures.

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

Manufacturer	Alcatel-Lucent, Inc.
Equipment Identification:	AS5BBTRX-05
Rules Part Number:	Part 24 – Personal Communication Services, §24.238 Emission Limitations for Broadband PCS Equipment
Frequency Range:	1930 to 1995 MHz (PCS Block A-G, all blocks)
Output Power:	40Watts (46.0 dBm) at each TX Antenna Terminal
Frequency Tolerance:	± 0.05 ppm

Attached are the FCC Form 731 (Application for Equipment Authorization – Radio Frequency Devices), the required measurement data and exhibits specific to this request for authorization of the **PCS RRH 4x45W**. The technical or non-technical contact at Alcatel-Lucent will comply with any request for additional information should the need arise. The attached exhibits with the applicable FCC Rule section are assembled and presented in accordance with the *Table of Contents* attachment.

Should there be any questions or procedural issues please feel free to contact me by email and/or phone.

Sincerely,



Raymond J. Johnson
Technical Manager
Global Product Compliance Laboratory
Phone: 908-582-5575
email: ray.johnson@alcatel-lucent.com

Primary Administrative Contact

Raymond J. Johnson
Technical Manager
Global Product Compliance Laboratory
Building 5B-111
600 Mountain Avenue
Murray Hill, NJ 07974
Phone: 908-582-5575
email: ray.johnson@alcatel-lucent.com

Filing Engineer

Steve Gordon
Global Product Compliance Laboratory
Building 5A-107
600 Mountain Avenue
Murray Hill, NJ 07974
Phone 908-582-5155
email: Steve.e.Gordon@alcatel-lucent.com

Att. Table of Contents for the **PCS RRH 4x45W** Class II Change Test Report