

Exhibit 3 FCC REQUIRED INFORMATION

The following information is presented in the content and format requested by the FCC:

Section 2.1033 (c)(1):

The full name and mailing address of the manufacturer of the device and the applicant for certification.

Manufacturer: **Alcatel-Lucent USA Inc.**
Building 28-114H
600-700 Mountain Avenue, P.O. Box 636
New Providence, 07974-0636
Attention: Rudolf J Pillmeier

Applicant: **Alcatel-Lucent USA Inc.**
Building 28-114H
600-700 Mountain Avenue, P.O. Box 636
New Providence, 07974-0636
Attention: Rudolf J Pillmeier
Phone: 908 582 2810
email: Rudy.Pillmeier@alcatel-lucent.com

Alcatel-Lucent USA Inc. will be the manufacturer of this product. The **AS5BBTRX-19** will only be marketed under the Alcatel-Lucent trademark.

Section 2.1033(c)(2): FCC Identifier: **AS5BBTRX-19**

Section 2.1033(c)(4): Type or types of emission: **10M00F9W and 5M00F9W**
This designator is requested for the authorization of the 10MHz and 5 MHz bandwidth LTE Transmissions

This Transceiver System supports multiple LTE and other technologies. The subject of this certification request for operation using the Long Term Evolution modulation format (LTE) for a 10 MHz emission bandwidth carrier (10M00F9W) and a 5 MHz emission bandwidth carrier (5M00F9W).. The transceiver can be configured for the various technologies by varying the digital information provided from the baseband channel electronics alone without physical, hardware or circuit changes to the transceiver.

Section 2.1033(c)(5): Frequency range, Transmit: **2350–2360 MHz** **All WCS Blocks**

Section 2.1033(c)(6): Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power.

The **Alcatel-Lucent Remote Radio Head 4x25-B30** Transceiver System, FCC ID: **AS5BBTRX-19**, is capable of producing either a 10MHz or a 5MHz emission bandwidth RF carrier (10M00F9W or 5M00F9W) at a mean power level which ranges from:

0.5 W up to 50W maximum (+46.98 dBm) at each of its two primary antenna transmit terminals
When operated in a 2x diversity MIMO mode.

0.25 W up to 25W maximum (+43.98 dBm) at each of its four antenna transmit terminals
When operated in a 4x diversity MIMO mode.

The carrier output power level of the **Alcatel-Lucent Remote Radio Head 4x25-B30** Transceiver System, is adjustable digitally over a 20 dB range. The transmit filters provides RF feedback to the transceivers in the form of CLGC (Closed Loop Gain Control) and Alcatel-Lucent's proprietary Enhanced Digital Pre-Distortion (EDPD) technology to provide constant output power over temperature. The features are controlled by software.

Exhibit 3 FCC REQUIRED INFORMATION *continued*

Section 2.1033(c)(7): Maximum power rating as defined in the applicable part (s) of the rules.

The maximum continuous RF output power at each of the two primary antenna transmit terminals is 50W (+46.98dBm).

The maximum continuous RF output power at each of the four antenna transmit terminals is 25W (+43.98dBm).

Section 2.1033 (c)(10): A description of all circuitry and devices for determining and stabilizing frequency.

The **Alcatel-Lucent Remote Radio Head 4x25-B30** Transceiver System, **FCC ID: AS5BBTRX-19**, is a 10MHz bandwidth digital transceiver designed to operate in the Broadband WCS frequency spectrum. This application specifically addresses the transceiver utilizing a 10MHz or 5MHz carrier bandwidth LTE emission signal. Frequency stability of the LTE carrier frequency is achieved with an accuracy better than the rated ± 0.05 ppm by reference frequency locking using phase-locked-loop (PLL) circuitry. External reference timing is provided by locking to a system disciplined reference signals.

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