

Exhibit 3 ATTESTATION STATEMENTS (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.
600-700 Mountain Avenue, P.O. Box 636
Murray Hill, N.J. 07974-0636
Attention: Raymond J. Johnson**

Applicant: **Alcatel-Lucent USA, Inc.
600-700 Mountain Avenue, P.O. Box 636
Murray Hill, N.J. 07974-0636
Attention: Raymond J. Johnson
Phone: 908-582-5575
email: ray.johnson@nokia.com**

Alcatel-Lucent USA Inc., part of the Nokia family of companies, is the manufacturer of this product.

Section 2.1033(c)(2): FCC Identifier: AS5BBTRX-29

Section 2.1033(c)(4): Type or types of emission: 5M00F9W, 10M0F9W, 15M0F9W and 20M0F9W

The **CMRO B25/B2 2x5W**, a small cell product, is a 65 MHz bandwidth LTE transceiver with a power output capability of 5 W per antenna port, when operated at 2x5 MIMO 2T2R; the total composite power from both antenna ports is 10 W (40 dBm). Operation is in single carrier mode with bandwidths of 5 MHz, 10 MHz, 15 MHz and 20 MHz using modulations QPSK, 16QAM and 64QAM. The corresponding emission designators are 5M00F9W, 10M0F9W, 15M0F9W and 20M0F9W respectively, with supported operation under the 3GPP2 Long Term Evolution (LTE) communication standard.

Exhibit 3 FCC REQUIRED INFORMATION *continued*

Section 2.1033(c)(5): Frequency range, Transmit: 1930–1995MHz PCS Blocks A-D-B-E-F-C-G

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 **CMRO B25/B2 2x5W** is capable of operating from 0.500 Watt (+27 dBm) to 5 Watts (+37 dBm) per transmit antenna terminal/port in a 2x5W MIMO 2T2R mode. The nominal transmit output power for each Tx path shall be translation settable over a **range of 10 dB**. Tx output power is controlled by a digital step attenuator via software. The gain of the Tx path is adjusted by a FPGA to account for gain variations in the Tx chain over the operating temperatures and frequency ranges. Moreover, the FPGC provides fine output power control with a high resolution. The Tx chain parameters are carefully characterized during the manufacturing process and provide high accuracy of setting the Tx power and maintaining it over the operating frequency and temperature ranges. Both CLGC (Closed Loop Gain Control) and Alcatel-Lucent’s proprietary Enhanced Digital Pre-Distortion (EDPD) technology provide constant output power over temperature. The features are controlled by software.

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

The maximum continuous RF output power available at each of the 2 transmit antenna terminals, for 2T2R operation, is 5 W (37 dBm).

Section 2.1033(c)(8): The dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

The AC Powered 9768 CMRO B25/B2 operates from a single phase, three wire voltage source in the 95 to 265 Volt range, measured at the input port. The 9768 CMRO B25/B2 consumes no more than 120W of total typical power measured at the AC input when operating in 2x2 mode with RF output power of 5 W (+37dBm) per antenna path and ambient temperature of 25C. Therefore, the typical rating is 120 Vac, 1.0 Aac. An AC-DC converter provides the +28 Vdc for the final amplification stage.

Stage	Voltage	Current
Final Stage	+28Vdc	4.0 – 4.5 Adc

Section 2.1033(c)(9): Tune-up procedure over the power range, or at specific operating power levels.

The Nokia **CMRO B25/B2 2x5W** cannot be “tuned-up” by the user. There are no user tune-up features. All tuning is performed by the manufacturer during, and as part of, the manufacturing process. The 37.0 dBm RF power output per antenna terminal has an accuracy of ±1.0 dB over the entire frequency band, which is set at the factory

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

The **CMRO B25/B2 2x5W**, under FCC ID: AS5BBTRX-29, is a 65 MHz bandwidth digital transceiver designed to operate in the Broadband PCS frequency spectrum (1930 – 1995 MHz). Frequency stability of the LTE carrier frequency is achieved with an accuracy better than the rated ± 0.05 ppm by reference frequency locking using a proprietary phase-locked-loop (PLL) circuitry. External reference timing is provided by locking to GPS disciplined reference signals. Same as stated in the original filing. Same as stated in the original filing.

Section 2.1033 (c)(10): A description of all circuitry and devices provided for suppression of spurious radiation.

The **CMRO B25/B2 2x5W**, subject of this application, was designed in adherence to the proper Electromagnetic Compatibility (EMC) guidelines extending from the combination of Nokia proprietary Enhanced Digital Pre-Distortion (EDPD) firmware-SW algorithm and Filter module used to suppress spurious emissions.

Per the requirement of Section 2.911(d) Certification of Technical Test Data, I hereby certify that the technical test data are the results of tests either performed or supervised by me, and the information cited in this exhibit is correct.



**Michael P. Farina
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Global Product Compliance Laboratory
Nokia**