



Nokia Global Product Compliance Laboratory  
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Murray Hill, NJ 07974, USA  
February 12, 2019

**Timco Engineering Inc.**  
**FCC Authorized Telecommunication Certification Body**  
849 N.W. State Road 45, P.O. Box 370 Newberry,  
Florida 32669

**Subject: Application for Class II Permissive Change under FCC ID: 2AD8UFW2FMBOM1 for Flexi Zone MBO B2 RF Transceiver**

Dear Examiner:

The Nokia Solutions and Networks **Flexi Zone MBO B2 RF Transceiver** is the subject of this application for a Class II Permissive Change under FCC ID: **2AD8UFW2FMBOM1**. The **Flexi Zone MBO B2 RF Transceiver** (MBO B2) is a LTE Transceiver supporting a carrier bandwidth of 5/10/15/20 MHz and a maximum RF power output capability of 5W at each of its 2 MIMO transmit port outputs. The MBO B2 transceiver module, the subject of this application, is always co-located with an MBO digital system (host) module.

The Nokia Flexi Zone Multiband Outdoor Micro Base Station (MBO) is a small cell that consists of a common digital system module (host) and up to two LTE (Long Term Evolution) RF transceiver modules in various combinations. The **Flexi Zone MBO B2 RF Transceiver** is one of the LTE RF transceiver Modules. Additionally, an optional RF module (LAA RF Module). Each RF transceiver module supports 2 Tx/Rx branches. The purpose of this Class II Permissive Change is to add NB IoT Guard Band and NB IoT Inband operation for the 10 and 20 MHz carrier bandwidth modes for the **Flexi Zone MBO B2 RF Transceiver** (MBO B2). The Emissions Designator is obtained from the Guard Band test data

The key data are summarized below.

<b>FCC ID:</b>	<b>2AD8UFW2FMBOM1</b>
<b>FCC Rules:</b>	<b>Part 24</b>
<b>Frequency Range:</b>	<b>Transmit 1930 -1990 MHz (PCS Blocks A-D-B-E-F-C)</b>
<b>Output Power:</b>	<b>0.079 to 5 Watts per output</b>
<b>Frequency Tolerance:</b>	<b>± 0.05 ppm</b>
<b>Emission Designators:</b>	<b>9M16F9W, 18M2F9W</b>

Enclosed in this application package are FCC 731 Form, agent authorization letter, the required measurement data and other required exhibits specific to this request for authorization of the subject product. The measurement exhibits attached to this application demonstrate full compliance with FCC Part 24 following the procedural requirements specified in FCC Part 2 Subpart J – Equipment Authorization Procedures.

The supporting exhibits are assembled and presented in accordance with the *Table of Contents* attached below.

**Nokia - Public**

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

Sincerely,



Steve Gordon

Member of Technical Staff

email: [Steve.gordon@nokia-bell-labs.com](mailto:Steve.gordon@nokia-bell-labs.com)

Reviewed by:



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