



Timco Engineering Inc.
FCC Authorized Telecommunication Certification Body
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Newberry, Florida 32669

Nokia Global Product Compliance Laboratory
600-700 Mountain Avenue, Room 5B-111
849 N.W. State Road 45, P.O. Box 370

Subject: Application for Class II Change to FCC ID: VBNFXCB-01 for Nokia Flexi Multiradio BTS (FXCB)

Dear Examiner:

The **Nokia Solutions and Networks, Flexi Multiradio BTS (FXCB)** Radio Unit (hereinafter referred to as "FXCB") is the subject of this application for a FCC Class II Change to the Product Certification under FCC ID: VBNFXCB-01. The FXCB is a Nokia Solutions and Networks Flexi Multiradio Base Transceiver Station (BTS) Radio Frequency Module (RFM) module which operates over 3GPP frequency band 5 (869 - 894 MHz). The FXCB has three co-located transmitters, with the option of being operated in a 4X4 MIMO configuration (two collocated units); with each transmit port supporting 80 watts maximum rated RF output power. The FXCB can be operated as MIMO or as non-MIMO. Multi-carrier operation is supported.

The FXCB was originally filed on April 27, 2013 for GMSK, 8PSK, QPSK, 16QAM and 64QAM modulations for 300kHz and 5MHz carrier bandwidths.

A subsequent Class II Permissive Change was filed on June 27, 2016 to add three LTE modulations (QPSK/16QAM/64QAM) and 4 carrier bandwidths (1.4, 3, 5, and 10 MHz)

This Class II Permissive Change is to **add 5G-NR bandwidths of 5 and 10MHz.**

Output Power: 80 Watts per Port (240 Watts maximum)

The key data for this Class II change is summarized below.

FCC ID:	VBNFXCB-01
FCC Rules:	Part 22
Frequency Range:	E-UTRAN Band 5, 869-894MHz
Output Power:	80 Watts per Port (240 Watts maximum)
Frequency Tolerance:	± 1.5 ppm
Emissions Designators:	4M47W7W and 9M28W7W
Carriers:	5G NR (5 and 10MHz)

Enclosed in this application package are the FCC 731 Form, an Agent Authorization letter, the required measurement data and other required exhibits specific to this request for a FCC Class II Change authorization of the subject product. The measurement exhibits attached to this application demonstrate full compliance with FCC Part 22 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.

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

Sincerely,

A handwritten signature in blue ink that reads "Raymond J. Johnson".

Raymond J. Johnson
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Required Exhibits:

Exhibit Number	<u>FCC Rule Number</u>	<u>Description</u>
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2	Section 2.911(d)	Qualifications and Certifications
3	Section 2.1033(c)(21)	Photographs of the Test Setups
4	FCC Test Report	