



Nokia Global Product Compliance Laboratory
600-700 Mountain Avenue, Room 5A-107
Murray Hill, NJ 07974, USA
September 5, 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: VBNAHCA-01 for Nokia AirScale 2 Remote Radio Head, Operating in Band 5

Dear Examiner:

The Nokia Solutions and Networks **AirScale 2 Remote Radio Head** (hereinafter referred to as “**AHCA**”) is the subject of this application for a Class II Permissive Change under FCC ID: VBNAHCA-01. The AHCA is a LTE Base transceiver station RRH 850 MHz with 4 power amplifiers. The **AHCA** is a 5G-NR transceiver and operates in Band 5 spectrum (869 - 894 MHz). The AHCA currently supports 5 and 10 MHz LTE carriers with a maximum power listed as 38.02 W (45.80 dBm) and 59.02 W (47.71 dBm) and operates in 4x40 W and 2X60 W modes, respectively.

The purpose of this Class II Permissive Change application is to add 5G-NR technology for AHCA operating in Band 5 spectrum (869 - 894 MHz) with 5, 10, 15, and 20 MHz BW carriers.

The key data are summarized below.

FCC ID:	VBNAHCA-01
FCC Rules:	Part 22
Frequency Range:	NR Band 5, 869 – 894 MHz
Output Power:	160 Watts total with 4x40W MIMO and 120 Watts total with 2x60W MIMO Configuration
Frequency Tolerance:	± 0.05 ppm
Carriers:	5, 10, 15 & 20 MHz Single Carriers

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 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.

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

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Reviewed by:



Raymond J. Johnson

Technical Manager

FCC Compliance Test Group

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Exhibit 2	Section 2.911 (e)	Qualifications and Certifications
Exhibit 3		Setup Photographs
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