



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

July 06, 2018

**Subject: Application for Original Equipment Certification under FCC ID: VBNAAHC-01 for Nokia AirScale MAA 64T64R 128AE B41 120W AAHC, Operating in the Band 41**

Dear Examiner:

The Nokia Solutions and Networks AirScale MAA 64T64R B41 AAHC (hereinafter referred to as "AAHC") is the subject of this application for a new FCC Product Certification under FCC ID: VBNAAHC-01. The AAHC is a LTE-TDD (Long Term Evolution-Time Division Duplex) transceiver and operates in Band 41 Broadband Radio Service (BRS) spectrum (2496-2690 MHz). The AAHC supports one to three 20MHz carriers and 64x64 MIMO operation with a maximum total RF output power of 120W at its 64T/64R transmit ports. Nokia Bell Labs, part of the Nokia family of companies, hereby requests this certification for multicarrier operation.

The key data are summarized below.

<b>FCC ID:</b>	<b>VBNAAHC-01</b>
<b>FCC Rules:</b>	<b>Part 27</b>
<b>Frequency Range:</b>	<b>E-UTRAN Band 41, 2496-2690MHz</b>
<b>Output Power:</b>	<b>120 Watts Total with 64Tx 64R MIMO Configuration</b>
<b>Frequency Tolerance:</b>	<b>± 0.05 ppm</b>
<b>Carriers:</b>	<b>1~3 20MHz Carriers</b>

Enclosed in this application package are FCC 731 Form, letters of Request for Permanent and Short-Term Confidentiality, 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 27 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,

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**Short Term Confidentiality Request Letter**

**Agent Authorization Letter**

**Required Exhibits:**

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Exhibit 2	Sections 2.911 (d)(1, 2) & 2.911 (e)	Certifications and Qualification
Exhibit 3	Section 2.1033 (c)(1, 2, 4, 5, 7)	Manufacturer, FCC Identifier, Emission Types, Frequency Range and Maximum Power Rating
Exhibit 4	Section 2.1033 (c)(11)	Equipment Identification Label
Exhibit 5	Sections 2.1033 (c)(6, 8, 9, 10, 13)	Description of Operation → <b>Confidential</b>
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