



Nokia Global Product Compliance Laboratory
600-700 Mountain Avenue, Room 5A-107
Murray Hill, NJ 07974, USA
December 4, 2018

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: VBNAAHC-01 for Nokia AirScale MAA 64T64R 128AE B41 120W AAHC, Operating in Band 41

Dear Examiner:

The Nokia Solutions and Networks **AirScale MAA 64T64R 128AE B41 120W AAHC** (hereinafter referred to as “AAHC”) is the subject of this application for a Class II Permissive Change 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 currently 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 10 MHz single carrier and 20+10 MHz multicarrier operation.

The key data are summarized below.

| | |
|-----------------------------|---|
| FCC ID: | VBNAAHC-01 |
| FCC Rules: | Part 27 |
| Frequency Range: | E-UTRAN Band 41, 2496 – 2690 MHz |
| Output Power: | 120 Watts Total with 64Tx 64R MIMO Configuration |
| Frequency Tolerance: | ± 0.05 ppm |
| Carriers: | 10 MHz Single Carriers and 20+10 MHz Multiple 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 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,



Steve Gordon
Member of Technical Staff
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Reviewed by:



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