



Bell Labs

Timco Engineering Inc.
FCC Authorized Telecommunications
Certification Body (TCB)

Nokia, Global Product Compliance Laboratory
600-700 Mountain Avenue
Room 5A-107
Murray Hill, New Jersey 07974-0636 USA

May 11, 2020

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

Dear Examiner:

The Nokia **AWHHF Aircscale Micro RRH 4T4R 5G n41 4x20W** is the subject of this request for a Class II Change under **FCCID: 2AD8UAWHHF01**. The AWHHF is a TDD (Time Division Duplex) transceiver and operates in Band 41 Broadband Radio Service (BRS) spectrum (2496-2690 MHz). The AWHHF was previously certified for 40 MHz single 5G-NR carriers and 4x4 MIMO operation. The AWHHF has a maximum total RF output power of 80W at its 4T/4R transmit ports. Nokia Bell Labs, part of the Nokia family of companies, hereby requests this Class II Change for single carrier 60 MHz and 100 MHz 5G NR Operation.

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 data, summarized below, is in the form presently used by the Commission's Radio Equipment List.

| | |
|----------------------------------|--|
| Equipment Identification: | 2AD8UAWHHF01 |
| Rules Part Number: | Part 27 |
| Emissions Designator(s): | 57M9G7W and 97M5G7W |
| Frequency Range: | E-UTRAN Band 41, 2496-2690 MHz |
| Output Power: | 80W total with 4x4 MIMO Configuration |
| Frequency Tolerance: | ± 0.05 ppm |

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.

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

Sincerely,

Filing Engineer



Steve Gordon

Member of Technical Staff

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TABLE OF CONTENTS

Cover Letter

Agent Authorization Letter

Required Exhibits:

Exhibit

| <u>Number</u> | <u>FCC Rule Number</u> | <u>Description</u> |
|----------------------|-------------------------------|-----------------------------------|
| 1 | Section 2.1033(a) | FCC Form 731 |
| 2 | Section 2.911(d) | Qualifications and Certifications |
| 3 | Section 2.1033(c)(21) | Photographs of the Test Setups |
| 4 | FCC Test Report | |