Bell Labs

NOKIA

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FCC Authorized Telecommunication
Certification Body
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Nokia Global Product Compliance Laboratory
600-700 Mountain Avenue, Room 5A-107

Murray Hill, NJ 07974, USA

November 30, 2023

Subject: **Application for Original Equipment Certification under FCC ID: 2AD8UAWHNB01 for AWHNB AirScale Micro RRH 4T4R Band-53 1W.**

Dear Examiner:

The **Nokia AWHNB AirScale Micro RRH 4T4R Band-53 1W** (hereinafter referred to as "AWHNB") is the subject of this application for Original Equipment Certification under FCC ID: 2AD8UAWHNB01. The AWHNB is a 5G-NR transceiver which operates in Band 53 spectrum (2483.5-2495 MHz).

The **AWHNB** supports 10 MHz single LTE carriers, plus 10 MHz 5G-NR single carriers. The **AWHNB** operates with a maximum total RF power output capacity of 1.0 W at its 4T/4R transmit ports.

The **AWHQU** is equipped with an external antenna with a maximum total gain of 6.0 dBi for 4T/4R. Nokia Bell Labs, part of the Nokia family of companies, hereby requests this certification for LTE and 5G-NR operation.

The key data are summarized below.

FCC ID:	**2AD8UAWHNB01**
FCC Rules:	**Part 25**
Frequency Range:	**E-UTRAN Band 53, 2483.5 - 2495 MHz**
Conducted Output Power:	**Up to 30.0 dBm (1.0 W) Total**
EIRP Power:	**Up to 36.0 dBm (4 W) Average Total**
Frequency Tolerance:	**± 0.05 ppm**
LTE Emissions Designators	**8M90F9W**
NR Emissions Designators	**8M60W7W**
Carriers:	**Single 5G-NR Carriers: 10 MHz**
	Single LTE Carriers: 10 MHz

Enclosed in this application package are FCC 731 Form, letters of Request for Permanent 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 25 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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