



Applicant: Nokia Solutions and Networks Oy

FCC ID: VBNAEHC-01

TUV SUD BABT TCB

Jun 26, 2025

Octagon House,
Segensworth Road,
Fareham,
Hampshire,
PO15 5RL

Subject: AEHC 475124A Class II Permissive change (C2PC) proposal - Where the original Approval was made by:

Timco Engineering Inc.

FCC Authorized Telecommunication Certification Body

849 N.W. State Road 45, P.O. Box 370

Newberry, Florida 32669

The Nokia Solutions and Networks Oy, Airscale MAA 64T64R n41 192AE 79dBm AEHC (hereinafter referred to as "AEHC") is the subject of this application for a FCC Class II Change to the Product Certification under **FCC ID: VBNAEHC-01**

The AEHC is an NR LTE transceiver and operates in Band 41 (2496 – 2690 MHz).

The AEHC was originally filed for NR 40, 60 and 100MHz carriers and LTE 20MHz June 08, 2020.

A Class II Permissive Change was filed March 01, 2021 to add modes of operation for LTE (F9W) 10MHz single carrier plus 5G-NR (G7W) 20, 50, 80 and 90 MHz single carriers and multiple contiguous/non-contiguous 5G NR +LTE (total up to three 20 MHz) carrier configurations (20MHz+20MHz, 40MHz+20MHz, 20MHz+20MHz+20MHz, 40MHz+20MHz+20MHz, 20MHz+20MHz+20MHz+20MHz and 40MHz+20MHz+20MHz+20MHz) to the existing Grant.

A Class II Permissive Change was filed August 26, 2021 to add multi carrier 5G-NR/LTE configurations (LTE 20+NR 90, NR 50+LTE 20, NR 50+LTE 2x20, NR 50+LTE 3x20, LTE 2x20 + NR 90, NR 2x40+LTE 2x20, NR 2x50+LTE 2x20, NR 2x40+LTE 3x20, NR 2x50+LTE 3x20, LTE 3x20 + NR 90) and 5G-NR only configurations (100+20, 100+40, 60+100, 80+100, 60+40) to the existing grant.

A Class II Permissive Change was filed January 20, 2022, to add 30 MHz Bandwidth to the grant demonstrate operation of 190MHz contiguous, and additional concurrent carrier configurations associated with these capabilities.



A Class II Permissive Change was filed April 11, 2022 to add a single carrier 70MHz bandwidth at 280W and two additional dual carrier configurations to the existing Grant.

A Class II Permissive Change was filed October 25, 2023 to add 5G-NR 10MHz bandwidth at 100W to the existing Grant.

A Class II Permissive Change was filed April 25, 2024 to add additional bandwidths that are a result of a Slim Carrier (Disabled Resource Blocks) to confirm that it would meet the out of band emissions when used in a smaller BW segment. The additional BW segments are 33, 34, 38 and 38.5 MHz (40 MHz Slim Carrier, 160 W), 44, 49, 49.5 MHz (50 MHz Slim Carrier, 200 W) to the existing Grant.

A Class II Permissive Change was filed June 7, 2024 to add additional higher bandwidths that are a result of a Slim Carrier (Disabled Resource Blocks) to confirm that it would meet the out of band emissions when used in a smaller BW segment. The additional BW segments are 55 and 57.5 MHz (60 MHz Slim Carrier, 240 W), and 86 MHz (90 MHz Slim Carrier, 320 W) to the existing Grant.

New Class II Permissive Change is to add a 5G-NR 15MHz bandwidth to the existing Grant.

Enclosed to the application package are the Application Form BABT 736, an Agent Authorization letter, the required measurement data and other required exhibits specific to this request for an FCC Class II Change authorization of the subject product. The measurement exhibits attached to the application demonstrate full compliance with FCC Part 27 following the procedural requirements specified in FCC Part 2 Subpart J – Equipment Authorization Procedures.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kari Vanhatapio", is positioned below the "Sincerely," text.

Kari Vanhatapio – Team Manager, TA RF