

FCC RF Exposure Report

Report No.: MFBEIH-WTW-P23110582

FCC ID: 2ASK53SM0065

Test Model: Nokia AiOSCSMn48

Received Date: Nov. 22, 2023

Test Date: Dec. 05, 2023 ~ Mar. 27, 2024

Issued Date: Mar. 27, 2024

Applicant: Nokia

- Address: 3201 Olympus Blvd Dallas, TX 75019
- **Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
- Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN

FCC Registration / 788550 / TW0003 Designation Number:



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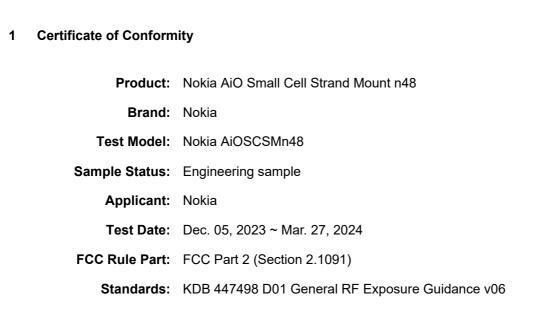
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Release Control Record

Issue No.	Description	Date Issued
MFBEIH-WTW-P23110582	Original release	Mar. 27, 2024



The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : _______, Date: _______, Mar. 27, 2024

Approved by :

Jeremy Lin , Date: Mar. 27, 2024

Jeremy Lin / Project Engineer



2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)			Average Time (minutes)				
Limits For General Population / Uncontrolled Exposure								
300-1500			F/1500	30				
1500-100,000			1.0	30				

F = Frequency in MHz

2.2 MPE Calculation Formula

 $\begin{array}{l} Pd = (Pout^*G) \ / \ (4^*pi^*r^2) \\ \mbox{where} \\ Pd = power \ density \ in \ mW/cm^2 \\ Pout = output \ power \ to \ antenna \ in \ mW \\ G = gain \ of \ antenna \ in \ linear \ scale \\ pi = 3.1416 \\ r = distance \ between \ observation \ point \ and \ center \ of \ the \ radiator \ in \ cm \end{array}$

2.3 Classification

The antenna of this product, under normal use condition, is at least 61cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result of Maximum Density Power

Function		EIRP (dBm)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm²)
NR Band 48	1CC	46.54	61	0.964	1
NR Band 48	2CC	46.50	61	0.955	1

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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