RF Exposure Report

Report No.:	MFBFPJ-WTW-P24040063
FCC ID:	SWX-UAPE
Test Model:	UACC-AI-Pro-Enhancer
Series Model:	UACC-AI-Pro-Enhancer-W
Received Date:	Mar. 02, 2024
Test Date:	Mar. 02, 2024 ~ May 07, 2024
Issued Date:	May 10, 2024
Applicant:	Ubiquiti Inc.
Address:	685 Third Avenue, New York, New York 10017 USA
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 / Designation Number:	788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
MFBFPJ-WTW-P24040063	Original Release	May 10, 2024

1 Certificate of Conformity

Product:	AI Pro Vision Enhancer
Brand:	
Test Model:	UACC-AI-Pro-Enhancer
Series Model:	UACC-AI-Pro-Enhancer-W
Sample Status:	Engineering Sample
Applicant:	Ubiquiti Inc.
Test Date:	Mar. 02, 2024 ~ May 07, 2024
FCC Rule Part:	FCC Part 2 (Section 2.1091)
Standards:	KDB 447498 D01 General RF Exposure Guidance v06

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 : Vera Huang , **Date:** May 10, 2024

Vera Huang / Specialist

Approved by : Jeremy Lin , **Date:** May 10, 2024

Jeremy Lin / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	…	…	f/1500	30
1500-100,000	…	…	1.0	30

f = Frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$

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

2.3 Classification

The antenna of this product, under normal use condition, is at least 20 cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

Antenna type	Frequency Range (GHz)	Antenna Net Gain (dBi)	Connector Type
PIFA	61~63	5.2	N/A

* Only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions.

2.5 Calculation Result

Operating Frequency (GHz)	Max. EIRP (dBm)	Max. EIRP (mW)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Result
61.93	15.91	38.994	20	0.0078	1	Pass

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

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