

RF Exposure Report

Report No.: MFBDYS-WTW-P24060725

FCC ID: 2AWUU60B0801

Test Model: BE32-HW

Received Date: 2024/6/29

Test Date: 2024/7/12 ~ 2024/7/16

Issued Date: 2024/9/25

Applicant: Verkada Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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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
MFBDIS-WTW-P24060725	Original release.	2024/9/25

1 Certificate of Conformity

Product: 8-Zone Alarm Expander
Brand: Verkada
Test Model: BE32-HW
Sample Status: Engineering sample
Applicant: Verkada Inc.
Test Date: 2024/7/12 ~ 2024/7/16
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 : Pettie Chen , **Date:** 2024/9/25
Pettie Chen / Senior Specialist

Approved by : Jeremy Lin , **Date:** 2024/9/25
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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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

Frequency Range	Antenna Type	Connector	Gain(dBi)
915 ~ 915.7MHz	Monopole	ipex(MHF)	2.65

*Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2.5 Calculation Result

Frequency Band	Max. AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
915 ~ 915.7MHz	20.77	2.65	20	0.044	0.61

Note:

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

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