

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.

Address: 405 E. 4th Ave., San Mateo, CA 94401 United States Of America

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 |
|----------------------|-------------------|-------------|
| 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

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

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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