

RF Exposure Report

Report No.: FCC_RF_SL20030501-PHA-101_MPE Rev_1.0

FCC ID: 2AOHB-PI00034

Test Model: PI-N261-DF10400A

Series Model: N/A

Issued Date: 06/17/2020

Applicant: JMA Tech, PHAZR

Address: 8 Prestige Circle, Suite 104, Allen, TX 75002

Manufacturer: JMA Wireless, John Mezzalingua Associates

Address: 7645 Henry Clay Boulevard, Liverpool, NY 13088

Issued By: Bureau Veritas Consumer Products Services, Inc.

Lab Address: 775 Montague Expressway, Milpitas, CA 95035

Test Location (1): 775 Montague Expressway, Milpitas, CA 95035

**FCC Registration /
Designation Number:** 540430



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Release Control Record

| Issue No. | Description | Date Issued |
|---------------------------------------|--------------------|-------------|
| FCC_RF_SL20030501-PHA-101_MPE | Initial Release | 06/08/2020 |
| FCC_RF_SL20030501-PHA-101_MPE Rev_1.0 | Minor error updata | 06/17/2020 |

1 Certificate of Conformity

Product: PI-N261-DF10400A

Brand: JMA

Test Model: PI-N261-DF10400A

Sample Status: Engineering sample

Applicant: JMA Tech, PHAZR

Standards: FCC Part 2 (Section 2.1093)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services, Inc., Milpitas 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 EMC characteristics under the conditions specified in this report.

Prepared by :



, **Date:**

06/17/2020

Deon Dai / Test Engineer

Approved by :



, **Date:**

06/17/2020

Chen Ge / Engineer Reviewer

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/cm²

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 20cm away from the body of the user.

So, this device is classified as Mobile Device.

2.4 Calculation Result of Maximum Radiated Power

| Frequency (GHz) | E.I.R.P (dBm) | Turn-Up Tolerance | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|-----------------|---------------|-------------------|---------------|-------------------------------------|-----------------------------|
| 28.15 | 44.08 | ± 1dB | 55 | 0.847 | 1 |

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Calculate SAR test exclusion thresholds from condition "1" formulas.

3 Conclusion

Conclusion:

$$0.847/1 = 0.847 < 1$$

The maximum calculations of above situations are less than the "1" limit.

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