

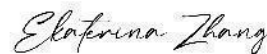
## RF Exposure Evaluation Report

**Report Reference No.**..... : **MTEB26070184-H**

**FCC ID**..... : **2AAIN-VISION3**

Compiled by

( position+printed name+signature)..: File administrators  
Ekaterina Zhang



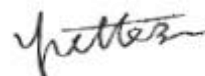
Supervised by

( position+printed name+signature)..: Test Engineer Sunny Deng



Approved by

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Date of issue.....: July 21,,2026

**Representative Laboratory Name.:** **Shenzhen Most Technology Service Co., Ltd.**

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Nanshan, Shenzhen, Guangdong, China.

**Applicant's name**.....: **ACOUSTMAX INTERNATIONAL CO., LTD**

Address.....: Unit D16/F Cheuk Nang Plaza 250 Hennessy Road  
Wanchai,HongKong,China

**Test specification/ Standard**.....: **47 CFR Part 1.1307;47 CFR Part 1.1310**  
**KDB447498D01 General RF Exposure Guidance v06**

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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**Test item description**.....: VISION 3

Trade Mark.....: MONSTER

Model/Type reference.....: MNVISION3

Listed Models .....: MNVISION-X, MNVISION-X, MNVISION3-S, MNVISION3-Pro-Plus,  
MNVISION3-PRO,MNVISION156-PLUS,MNVISION156+,  
MNVISION156-2,MNVISION3-156,MNVISION-156, MNVISION156-  
C,MNVISION3-156-C,MNVISION-156-C,MNVISIONC-156,  
MNVISIONX-156,MNVISION173,MNVISION3-Max,MNVISION3-  
XL,MNVISION-Pro-Plus,VISION173-PRO,MNVISION173-PLUS,  
MNVISION173+,MNVISION173-2,MNVISION3-173,MNVISION-  
173,MNVISION173-C,MNVISION3-173-C,MNVISION-173-C,  
MNVISIONC-173,MNVISIONX-173,MNVISION-PRO,MNVISION  
Pro Plus, VISION173 PRO,MNVISION173-PLUS, MNVISION173 +,  
MNVISION173-2,MNVISION3-173,MNVISION-173, MNVISION173-  
C,MNVISION3-173-C,MNVISION-173-C,MNVISIONC-173,  
MNVISIONX-173,MNVISION PRO

Modulation Type.....: GFSK,  $\pi/4$ DQPSK, 8DPSK

Operation Frequency.....: 2402MHz to 2480MHz

|                       |                                  |
|-----------------------|----------------------------------|
| Hardware Version..... | V01                              |
| Software Version..... | V02                              |
|                       | INPUT RANGE:100-240V~50/60Hz 40W |
| Rating.....:          | USB OUTPUT:5V $\approx$ 2.1A     |
|                       | DC 12V by Battery                |
| Result.....:          | <b>PASS</b>                      |

## TEST REPORT

Equipment under Test : VISION 3

Model /Type : MNVISION3

Listed Models : MNVISION-X,MNVISION3-S,MNVISION3 Pro Plus,MNVISION3 PRO,MNVISION156-PLUS,MNVISION156+,MNVISION156-2,MNVISION3-156,MNVISION-156,MNVISION156-C,MNVISION3-156-C,MNVISION-156-C,MNVISIONC-156,MNVISIONX-156,MNVISION173,MNVISION3 Max,MNVISION3 XL,MNVISION Pro Plus,VISION173 PRO,MNVISION173-PLUS,MNVISION173+,MNVISION173-2,MNVISION3-173,MNVISION-173,MNVISION173-C,MNVISION3-173-C,MNVISION-173-C,MNVISIONC-173,MNVISIONX-173,MNVISION PRO

Remark : Only the model MNVISION3 was tested, The electrical circuit design, layout, components used and internal wiring are identical, Only the model name and appearance colour are different.

Applicant : ACOUSTMAX INTERNATIONAL CO., LTD

Address : Unit D16/F Cheuk Nang Plaza 250 Hennessy Road  
Wanchai,HongKong,China

Manufacturer : ACOUSTMAX INTERNATIONAL CO., LTD

Address : Unit D16/F Cheuk Nang Plaza 250 Hennessy Road  
Wanchai,HongKong,China

|                     |             |
|---------------------|-------------|
| <b>Test Result:</b> | <b>PASS</b> |
|---------------------|-------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

| Revision | Issue Date | Revisions     | Revised By |
|----------|------------|---------------|------------|
| 00       | 2026.07.21 | Initial Issue | Alisa Luo  |
|          |            |               |            |
|          |            |               |            |

## 2. SAR Evaluation

### 2.1 RF Exposure Compliance Requirement

#### 2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

##### 4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### 2.1.2 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposures</b>        |                               |                               |                                     |                          |
| 0.3–3.0 .....                                                  | 614                           | 1.63                          | *(100)                              | 6                        |
| 3.0–30 .....                                                   | 1842/f                        | 4.89/f                        | *(900/f <sup>2</sup> )              | 6                        |
| 30–300 .....                                                   | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300–1500 .....                                                 | .....                         | .....                         | f/300                               | 6                        |
| 1500–100,000 .....                                             | .....                         | .....                         | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3–1.34 .....                                                 | 614                           | 1.63                          | *(100)                              | 30                       |
| 1.34–30 .....                                                  | 824/f                         | 2.19/f                        | *(180/f <sup>2</sup> )              | 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

Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * R^2)$  Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

## 2.1.3 EUT RF Exposure

BT classic

| GFSK             |                         |                         |                       |
|------------------|-------------------------|-------------------------|-----------------------|
| Test channel     | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power |
|                  |                         |                         | (dBm)                 |
| Lowest(2402MHz)  | -1.82                   | $-1.82 \pm 1$           | -0.82                 |
| Middle(2441MHz)  | -2.39                   | $-2.39 \pm 1$           | -1.39                 |
| Highest(2480MHz) | -3.91                   | $-3.91 \pm 1$           | -2.91                 |

| $\pi/4$ DQPSK    |                         |                         |                       |
|------------------|-------------------------|-------------------------|-----------------------|
| Test channel     | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power |
|                  |                         |                         | (dBm)                 |
| Lowest(2402MHz)  | -0.97                   | $-0.97 \pm 1$           | 0.03                  |
| Middle(2441MHz)  | -1.52                   | $-1.52 \pm 1$           | -0.52                 |
| Highest(2480MHz) | -2.97                   | $-2.97 \pm 1$           | -1.97                 |

| 8DPSK            |                         |                         |                       |
|------------------|-------------------------|-------------------------|-----------------------|
| Test channel     | Peak Output Power (dBm) | Tune up tolerance (dBm) | Maximum tune-up Power |
|                  |                         |                         | (dBm)                 |
| Lowest(2402MHz)  | -0.58                   | $-0.58 \pm 1$           | 0.42                  |
| Middle(2441MHz)  | -1.07                   | $-1.07 \pm 1$           | -0.07                 |
| Highest(2480MHz) | -2.59                   | $-2.59 \pm 1$           | -1.59                 |

| Worst case: 8DPSK |                             |                            |                    |                                                  |       |        |
|-------------------|-----------------------------|----------------------------|--------------------|--------------------------------------------------|-------|--------|
| Channel           | Maximum tune-up Power (dBm) | Maximum tune-up Power (MW) | Antenna Gain (dBi) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit | Result |
| Lowest(2402MHz)   | 0.42                        | 1.101                      | 0                  | 0.00022                                          | 1.0   | Pass   |

Note: 1) Refer to report MTEB26060178-R for EUT test Max Conducted average Output Power value.

Note: 2)  $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (1.37 \cdot 1) / (4 \cdot 3.1416 \cdot 20^2) = 0.00027$

Note: 3) EUT's Bluetooth module is more than 20cm away from the human body.

.....THE END OF REPORT.....