

## RF TEST REPORT

**Report Reference No.**..... : **MAX250427015P01-R01RF**

**FCC ID**..... : **2BPRQ-Z1**

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Date of issue.....: May 21, 2025

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**Applicant's name**..... : **Hangzhou Zansheng Digital Co., Ltd.**

Address.....: 501-2, Building 17, No.1008 Xiangwang Street, Cangqian Street, Yuhang District, Hangzhou City, Zhejiang Province, China

**Test specification**..... :

Standard.....: FCC Part 15.236  
KDB 447498 D01 V06  
ANSI C95.1- 2019

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**Equipment description**.....: **Wireless microphone**

Trade Mark.....: N/A

Manufacturer.....: Dongguan Xingnan Digital Technology Co., Ltd.

Model/Type reference.....: Z1

Listed Models .....: N/A

Modulation .....: FM

Frequency.....: 660.4MHz

Ratings.....: DC 3.7V from battery

Result.....: **PASS**

## RF Exposure Evaluation

1. The corresponding SAR Exclusion Threshold condition, listed below:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

The test Result is less than 3.0 for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, 16 where

- >  $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- > Power and distance are rounded to the nearest mW and mm before calculation
- > The result is rounded to one decimal place for comparison

## 2. CLASSIFICATION

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

## EUT Specification

<b>Antenna type:</b>	PCB antenna
<b>Antenna gain (Max)</b>	0dBi
<b>Evaluation applied</b>	<input type="checkbox"/> MPE Evaluation <input checked="" type="checkbox"/> SAR Evaluation

### 3. SAR TEST EXCLUSION THRESHOLDS

Frequency	RF Output power	Tolerance	Max Tune Up power		Antenna Gain	min. test separation distance	Result	Limit
(MHz)	(dBm)	(dBm)	(dBm)	(mW)	(dBi)	(mm)		
660.4	1.245	1±1	2	1.585	0	5	0.258	3

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.3013 which is ≤ 3, RF Exposure testing is not required.

Note: Exclusion Thresholds Results =  $\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \cdot [\sqrt{f(\text{GHz})}]$

f(GHz) is the RF channel transmit frequency in GHz

Distance = 5mm

**Conclusion:** No SAR is required.