



RF TEST REPORT

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

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

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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.....:

FCC Part 15.236

Standard.....: 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 ≤ 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 ≤ 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 ≤ 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. CL ASSIFICATION

The test exclusions are applicable only when the minimum test separation distance is ≤ 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

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

3. SAR TEST EXCLUSION THRESHOLDS

Frequency (MHz)	RF Output power (dBm)	Tolerance (dBm)	Max Tune Up power (dBm)		Antenna Gain (dBi)	min. test separation distance (mm)	Result	Limit
			(dBm)	(mW)				
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=[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)]

f(GHz) is the RF channel transmit frequency in GHz
Distance=5mm

Conclusion: No SAR is required.