



FCC RF EXPOSURE REPORT

Applicant : SHENZHEN XFANIC TECHNOLOGY CO.,LTD

Address : 1-4/F, Block 2, Longcheng Industrial Area, Dalang
Subdistrict, Longhua District, Shenzhen, China

Equipment : Audio Dock

Model No. : JCDS337, XF-A3101A

Trade Name : N/A

FCC ID : 2ASRI-A3101A

I HEREBY CERTIFY THAT :

The sample was received on Apr. 19, 2023 and the testing was completed on May 05, 2023 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Leevin Li

Leevin Li /Supervisor



Contents

1. Test Configuration of Equipment under Test.....	4
1.1 Feature of Equipment.....	4
1.2 General Information of Test.....	5
2. Radio Frequency Exposure	6
2.1 Applicable Standards	6
2.2 Limit.....	6
2.3 Test Results.....	6



History of this test report

Version No.	Report No.	Date	Description
Rev.01	DEFJ2302133	May 08, 2023	Initial Issue



1. Test Configuration of Equipment under Test

1.1 Feature of Equipment

Equipment	Audio Dock
Model Name	JCDS337, XF-A3101A
Model Discrepancy	The rest of the circuit design, layout, components used, and internal wiring are the same, only keyboard and model number is different
Frequency Range	2402MHz~2480MHz
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Data Rate	GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps
Operating Voltage	Input: 20V 5A
Antenna Gain.	-0.68dBi
Antenna Type	PCB Antenna
Working Temperature	0°C to +40°C

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



1.2 General Information of Test

Test Site	Cerpass Technology Corporation(Cerpass Laboratory) Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 40,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.



2. Radio Frequency Exposure

2.1 Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in FCC Part 2 (Section 2.1093)

2.2 Limit

KDB 447498 D01 § 4.3(a)

For 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

$*f(\text{GHz})$ 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

*The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is $<$ 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion

2.3 Test Results

According to the KDB447498:

The SAR test exclusion thresholds Level:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * \sqrt{(\text{freq. in GHz})} < 3$

Calculation

Channel	Measured power (dBm)	Max.TuneupPower (dBm)	Peak output power (mW)	Distance (mm)	Calculation results	Limit
2.48	4.975	6.975	4.983	5	1.5695	3

Then SAR evaluation is not required

-----THE END OF REPORT-----