

TEST REPORT

Product Name : DMX512APP

Model Number : GFC007

Prepared for : Shenzhen Greatfavian Electronic CO., LTD
Address : 5F, Tongfuyu Industrial Park, Lezhujiao, Zhoushi Road,
Baoan District, Shenzhen, China 518126

Prepared by : EMTEK(DONGGUAN) CO., LTD.
Address : Room 111&112, Building 8, -1&2/F., Office Building 2, Zone
A, Zhongda Marine Biotechnology Research and
Development Base, No.9, Xincheng Avenue, Songshan
Lake High-Tech Industrial Development Zone, Dongguan,
Guangdong, China

Tel : +86-0769-22807078
Fax: +86-0769-22807079

Report Number : EDG2408190171E00404R
Date(s) of Tests : Aug 19, 2024 to Oct 10, 2024
Date of issue : Oct 11, 2024



TABLE OF CONTENT

Description	Page
1. GENERAL INFORMATION	5
1.1 DESCRIPTION OF DEVICE (EUT)	5
1.2 TEST FACILITY	1
2. GENERAL PRODUCT INFORMATION	2
2.1 Product Function and Intended Use	2
2.2 Ratings and System Details	2
3. TEST RESULTS	3
3.1 Compliance criteria	3



TEST REPORT DESCRIPTION

Applicant Shenzhen Greatfavian Electronic CO., LTD
Address 5F,Tongfuyu Industrial Park,Lezhujiao ,Zhoushi Road, Baoan District,
Shenzhen,China 518126
Manufacturer Shenzhen Greatfavian Electronic CO., LTD
Address 5F,Tongfuyu Industrial Park,Lezhujiao ,Zhoushi Road, Baoan District,
Shenzhen,China 518126
Factory Shenzhen Greatfavian Electronic CO., LTD
Address 5F,Tongfuyu Industrial Park,Lezhujiao ,Zhoushi Road, Baoan District,
Shenzhen,China 518126
EUT DMX512APP
Model Name GFC007
Trademark GFLAI

Test Procedure Used:

BS EN 62479: 2010, BS EN 50663:2017 Assessment of the compliance of the low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)

The device described above is tested by EMTEK (DONGGUAN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion.

This report shows the EUT to be technically compliant with the EN62479: 2010 requirements.

The test results are contained in this report and EMTEK (DONGGUAN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (DONGGUAN) CO., LTD.

Date of Test : Jul 04, 2024 to Oct 08, 2024

Prepared by :

Jessica Zhang
Jessica Zhang /Editor

Reviewer :

Warren Deng
Warren Deng /Supervisor

Approve & Authorized Signer :

 

Sam Lv / Manager

Modified Information

Version	Report No.	Revision Date	Summary
	EDG2408190171E00404R	Oct 11, 2024	Original Report



1. GENERAL INFORMATION

1.1 DESCRIPTION OF DEVICE (EUT)

Product:	DMX512APP
Model Number:	GFC007
Frequency Range:	BLE:2402-2480 MHz 433:Band H: 433.05-434.79MHz
Transmit Power Max:	433:-14.61 dBm BLE:0.17 dBm
Antenna:	External antenna
Antenna Gain:	433:2.62 dBi BLE:2.8 dBi
Test Voltage:	DC 6.0 V from adapter
Temperature Range:	-10°C to +55°C

Note: for more details, please refer to the User's manual of the EUT.

1.2 TEST FACILITY

Site Description

EMC Lab.

: Accredited by CNAS, 2024.07.06
The certificate is valid until 2030.07.05
The Laboratory has been assessed and proved to be in compliance with
CNAS/CL01:2018
The Certificate Registration Number is L3150

Accredited by FCC
Designation Number: CN1300
Test Firm Registration Number: 945551

Accredited by A2LA, April 05, 2021
The Certificate Registration Number is 4321.02

Accredited by Industry Canada
The Certificate Registration Number is CN0113

Name of Firm

: EMTEK(DONGGUAN) CO., LTD.

Site Location

: Room 111&112, Building 8, -1&2/F., Office Building2, Zone A, Zhongda
Marine Biotechnology Research and Development Base, No.9,
Xincheng Avenue, Songshan Lake High-Tech Industrial Development
Zone, Dongguan, Guangdong, China

2. GENERAL PRODUCT INFORMATION

2.1 Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

2.2 Ratings and System Details

	Transceiver
Frequency Range:	BLE:2402-2480 MHz 433:Band H: 433.05-434.79MHz
Antenna Gain:	433:2.62 dBi BLE:2.8 dBi
Transmit Power(MAX):	433:-14.61 dBm BLE:0.17 dBm

3. TEST RESULTS

3.1 Compliance criteria

MAX power: 1.04 mW for BLE;0.035mW for 433

Result:	Pass
---------	------

From results of report EDG2408190171E00403/05R can be assumed that the compliance criteria is Fulfilled (max radiated power is less than 20mW, 1.04 mW for BLE;0.035mW for 433). The assumption is made with an uncertainty of 3%.

*EN 62479:2010 4.1(D) & 4.2

Measurements or calculations show that available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 (P max: 20mW)

*** End of Report ***

声明 Statement

1. 本报告无授权批准人签字及“检验检测专用章”无效；

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；

Objections shall be raised within 20 days from the date receiving the report.