

# TEST REPORT

**Product Name : DMX512APP**

**Model Number : GFC007**

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## TEST REPORT DESCRIPTION

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Shenzhen,China 518126  
EUT DMX512APP  
Model Name GFC007  
Trademark GFLAI

## Test Procedure Used:

EN 62479: 2010, EN50663:2017 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

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TESTING

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Modified Information

Version	Report No.	Revision Date	Summary
	EDG2408190171E00104R	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  
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Xincheng Avenue, Songshan Lake High-Tech Industrial Development  
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## 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
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From results of report EDG2408190171E00103/05R 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 \*\*\*



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