



KEEP EMPOWERING
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TEST REPORT

BS EN 62479-2010

Product : **Controller**
Model Name : **GFC005**
Brand : **GFLAI-0915**
Report No. : **KEYS21091509005EM-02**

Prepared for

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Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Greatfavian Electronic CO.,LTD.
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Manufacture's name : Shenzhen Greatfavian Electronic CO.,LTD.
Address : 5F,Tongfuyu Industrial Park,Lezhujiao ,Zhoushi Road, Baoan District,
Shenzhen,China 518126
Product name : Controller
Model name : GFC005

This device described above has been tested by KEYS, and the test results show that the equipment under test (EUT) is in compliance with the Radio Equipment Regulations 2017 requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date (s) of performance of tests: September 15, 2021 to September 24, 2021

Date of Issue: September 26, 2021

Test Result: **Pass**

Test Engineer:

Technical Manager:

Sunny Li/ Engineer

Jason Zhan / Manager

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2 Test Summary

Test	Test Requirement	Test Method	Limit / Severity	Result
RF Exposure	BS EN 62479	BS EN 62479	-	PASS

Remark:

N/A: Not Applicable

RF: In this whole report RF means Radio Frequency.

A.M. Amplitude Modulation.

P.M. Pulse Modulation.

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Controller
Model Name	:	GFC005
Bluetooth Version	:	N/A
Operating frequency	:	443MHz
Numbers of Channel	:	5
Antenna Type	:	Internal PCB Antenna
Antenna Gain	:	2.5dBi
Type of Modulation	:	ASK
Power supply	:	6V,1A
Hardware Version	:	A1
Software Version	:	A1

Note:

For more details, please refer to the User's manual of the EUT.

BT-CM means Bluetooth BR/EDR

BT-LE means Bluetooth Low Energy

4 RF Exposure Evaluation

4.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (10MHz to 300GHz)

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{max} .

Annex A contains example values for P_{max} derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2], and IEEE Std C95.1-2005 [3].

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the P_{max} values given in Annex A, the alternative P_{max} values (called P_{max}'), described in Annex B can also be used.

For low power equipment using pulsed signals, other limits may apply in addition to those considered in Annex A and Annex B. Both ICNIRP guidelines [1] and IEEE standards [2], [3] have specific restrictions on exposures to pulsed fields, and the requirements of those standards with respect to exposure to pulses shall be met. Annex C discusses this topic further.

4.2 Test Result of RF Exposure Evaluation

Test Mode	Transmit
Limit (P_{max})	20mW/13dBm

After performed the test at low/middle/high channel, the below recorded is the worst.

Max. Peak Output Power (dBm)	P_{max} (dBm)
2.5	13

Remark: Since the max. peak output power is less than the applicable low-power exclusion level P_{max} , this device is deemed to comply with the provisions of this standard without further testing.

*****THE END REPORT*****