



F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

CERTIFICATION TEST REPORT

Manufacturer: Glassboard, LLC
1060 N Capitol Ave
Suite E-120
Indianapolis, IN 46204 USA

Applicant: Same as Above

Product Name: WFM1MW

Product Description: Wi-Fi & Bluetooth Wireless Module

Model: WFM1MW

FCC ID: 2AWBKWFM1MW

Testing Commenced: 2020-05-28

Testing Ended: 2020-09-16

Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- **KDB447498**



Order Number: F2P22918C

Client: Glassboard, LLC

Model: MFM1MW

Evaluation Conducted by:

Julius Chiller, EMC/Wireless Engineer

Report Reviewed by:

Ken Littell, Vice President of EMC

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541

F2 Labs
8583 Zionsville Road
Indianapolis, IN 46268
Ph 317.610.0611

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2P22918C-05E	First Issue	2020-09-16	K. Littell



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment
None



Order Number: F2P22918C

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3 ENGINEERING STATEMENT

This report has been prepared on behalf of Glassboard, LLC to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: Wi-Fi & Bluetooth Wireless Module

Model: WFM1MW

Serial No.: Rev 2

FCC ID: **2AWBKWFM1MW**

4.2 Trade Name:

Glassboard, LLC

4.3 Power Supply:

N/A

4.4 Applicable Rules:

- KDB447498

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

2.4 GHz

Chip Antenna – Ethertronics M830520, 1.0dBi Gain

PCB Dipole Antenna – Molex 146187, 3.4dBi Gain

5 GHz

Chip Antenna – Ethertronics M830520, 2.6dBi Gain

PCB Dipole Antenna – Molex 146187, 4.75dBi Gain

4.7 Accessories:

Development PCB – Embedded Artist model V2 Rev E

AC Adaptor – PhiHong PSAA30R-120

4.8 Test Item Condition:

The equipment to be tested was received in good condition.



5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements: Distance used is 20cm

Limit: 1mW/cm²

Formula used for result: $\frac{E.I.R.P.}{4 \pi R^2}$

Results: Highest E.I.R.P. is the 802.11b/g/n 2412 ~ 2462 and is = **501.2mW**

501.2mW at the 2412-2462 MHz band which is the highest.

$$\frac{501.2mW}{4 \pi R^2} = \frac{501.2mW}{5026.55} = 0.1000mW/cm^2$$