

# **FCC RF Exposure Report**

FCC ID	:	2ALXJ-MTW200
Equipment	:	Meeting OWL™
Model No.	:	MTW200
Brand Name	:	OWLLabs™
Applicant	:	Owl Labs Inc
Address	:	33-1/2 Union Sq Somerville US 02143 United States Of America
Standard	:	47 CFR FCC Part 2.1091
<b>Received Date</b>	:	Jul. 17, 2019
Tested Date	:	Jul. 25 ~ Jul. 31, 2019

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

**Reviewed by:** 

Approved by:

ong Cher

Harry Cla





Along Cherd/ Assistant Manager

Gary Chang / Manager



## **Table of Contents**

1	MPE EVALUATION OF MOBILE DEVICES	4
1.1	LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE	4
1.2	MPE EVALUATION FORMULA	4
1.3	DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE	4
1.4	MEASUREMENT UNCERTAINTY	4
1.5	MPE EVALUATION RESULTS	5
2	TEST LABORATORY INFORMATION	6



# **Release Record**

Report No.	Version	Description	Issued Date
FA971702	Rev. 01	Initial issue	Aug. 12, 2019



## 1 MPE EVALUATION OF MOBILE DEVICES

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

### 1.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm <sup>2</sup> )	Averaging Time (minutes)		
300~1500	F/1500	30		
1500~100000	1.0	30		

#### 1.2 MPE EVALUATION FORMULA

$$\mathsf{Pd} = \frac{Pt}{4*Pi*R^2}$$

Where

Pd= Power density in mW/cm<sup>2</sup> Pt= EIRP in mW Pi= 3.1416 R= Measurement distance

## 1.3 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

### 1.4 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Parameters	Uncertainty			
Conducted power	±0.808 dB			

#### **Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

#### Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



#### 1.5 MPE EVALUATION RESULTS

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Rated Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm²)	Limit (mW/cm²)	Ratio*	Pass / Fail
2412~2462 (Wi-Fi)	20.41	20.5	3.0	20	0.045	1	0.045	Pass
5150~5250 (Wi-Fi)	20.92	21	4.0	20	0.063	1	0.063	Pass
5725~5850 (Wi-Fi)	21.10	21.5	4.0	20	0.071	1	0.071	Pass
2402-2480 (BT EDR)	11.16	11.5	3.0	20	0.006	1	0.006	Pass
2402-2480 (BT LE)	6.10	6.5	3.0	20	0.002	1	0.002	Pass

\*Ratio = Power density / Limit.



## 2 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <u>http://www.icertifi.com.tw</u>.

Linkou Tel: 886-2-2601-1640 No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C. Kwei Shan Tel: 886-3-271-8666 No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C. Kwei Shan Site II Tel: 886-3-271-8640 No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C..

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666 Fax: 886-3-318-0155 Email: ICC\_Service@icertifi.com.tw

—END—