



# FCC RF Exposure Report

**FCC ID** : 2AVVV-MW09  
**Equipment** : Outdoor Wireless Access Point  
**Model No.** : MW09  
**Brand Name** : meter  
**Applicant** : Meter, Inc  
**Address** : 548 Market St San Francisco CA 94104 USA  
**Standard** : 47 CFR FCC Part 2.1091  
**Received Date** : Nov. 05, 2024  
**Tested Date** : Nov. 08 ~ Dec. 06, 2024

We, International Certification Corporation, 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 shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Along Chen

Along Chen / Assistant Manager

Approved by:

Gary Chang

Gary Chang / Manager

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## Release Record

Report No.	Version	Description	Issued Date
FA4N0501	Rev. 01	Initial issue	Dec. 25, 2024

## 1 MPE EVALUATION OF MOBILE DEVICES

### 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

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

Where

Pd= Power density in mW/cm<sup>2</sup>

Pt= EIRP in mW

Pi= 3.1416

R= Measurement distance

### 1.3 REFERENCE GUIDANCE

447498 D01 General RF Exposure Guidance v06

### 1.4 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

### 1.5 MEASUREMENT UNCERTAINTY

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.

## 1.6 MPE EVALUATION RESULTS

Wi-Fi

### *Non-beamforming mode*

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	*Ratio	Pass / Fail
2412-2462	22.93	23.0	13	34	0.274	1	0.274	Pass
5180-5240	16.52	17.0	13	34	0.069	1	0.069	Pass
5260-5320	16.85	17.0	13	34	0.069	1	0.069	Pass
5500-5720	16.70	17.0	13	34	0.069	1	0.069	Pass
5745-5825	26.90	27.0	13	34	0.688	1	0.688	Pass

\*Ratio = Power density / Limit.

### *Beamforming mode*

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	*Ratio	Pass / Fail
2412-2462	19.80	20.0	16.01	34	0.275	1	0.275	Pass
5180-5240	13.37	13.5	16.01	34	0.061	1	0.061	Pass
5260-5320	13.84	14.0	16.01	34	0.069	1	0.069	Pass
5500-5720	13.69	14.0	16.01	34	0.069	1	0.069	Pass
5745-5825	23.89	24.0	16.01	34	0.690	1	0.690	Pass

\*Ratio = Power density / Limit.

Bluetooth

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )	*Ratio	Pass / Fail
2402-2480*	2.25	2.5	4.16	34	0.0003	1	0.0003	Pass

Note: Maximum conducted power is from report no. MFBHQL-WTW-P23060721

## 1.7 MPE EVALUATION OF SIMULTANEOUS TRANSMISSION

### *Non-beamforming mode*

Mode	Max Ratio of Each Mode
WLAN 2.4GHz	0.274
WLAN 5GHz	0.688
Bluetooth	0.0003
Sum	0.962
Limit	1
Pass / Fail	Pass

### *Beamforming mode*

Mode	Max Ratio of Each Mode
WLAN 2.4GHz	0.275
WLAN 5GHz	0.690
Bluetooth	0.0003
Sum	0.965
Limit	1
Pass / Fail	Pass

## 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 Corporation (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 <http://www.icertifi.com.tw>.

### Linkou

Tel: 886-2-2601-1640  
No.30-2, Ding Fwu Tsuen, Lin Kou  
District, New Taipei City, Taiwan  
(R.O.C.)

### Kwei Shan

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No.3-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)  
No.2-1, Lane 6, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 33381, Taiwan (R.O.C.)

### Kwei Shan Site II

Tel: 886-3-271-8640  
No.14-1, Lane 19, Wen San 3rd  
St., Kwei Shan Dist., Tao Yuan  
City 333, Taiwan (R.O.C.)

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

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