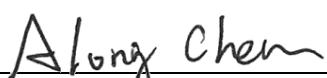


FCC RF Exposure Report

FCC ID : 2AAS9-MO10
Equipment : Wi-Fi 6 AX6600 Tri-Radio Outdoor Mesh Router
Model No. : MO10
Brand Name : PRISM
Applicant : Brownan Communications Incorporation
Address : No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou Hsinchu Hsien Taiwan 303
Standard : 47 CFR FCC Part 2.1091
Received Date : Oct. 12, 2021
Tested Date : Oct. 15 ~ Nov. 23, 2021

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 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:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



Testing Laboratory
2732

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Release Record

Report No.	Version	Description	Issued Date
FA1O1201	Rev. 01	Initial issue	Dec. 16, 2021

1 MPE EVALUATION OF MOBILE DEVICES

1.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm ²)	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/cm²

Pt= EIRP in mW

Pi= 3.1416

R= Measurement distance

1.3 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

1.4 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.

1.5 MPE EVALUATION RESULTS

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Rated Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
<i>Non-beamforming mode</i>								
2412~2462	28.11	28.5	7.4	31	0.322	1	0.322	Pass
5150~5250	16.14	16.5	5.3	31	0.013	1	0.013	Pass
5725~5850	28.62	29.0	6.8	31	0.315	1	0.315	Pass
<i>Beamforming mode</i>								
2412~2462	22.00	22.0	9.56	31	0.119	1	0.119	Pass
5150~5250	13.03	13.5	7.82	31	0.011	1	0.011	Pass
5725~5850	22.49	22.5	11.76	31	0.221	1	0.221	Pass

*Ratio = Power density / Limit.

Note:

For 2412-2462 MHz:

Directional gain = $10 \times \log((10^{5.6/20} + 10^{7.4/20})^2/2) = 9.56 \text{ dBi}$.

For 5150~5250MHz:

Directional gain = $10 \times \log((10^{4.3/20} + 10^{5.3/20})^2/2) = 7.82 \text{ dBi}$.

For 5725~5850MHz:

Directional gain = $10 \times \log((10^{4.9/20} + 10^{6.8/20} + 10^{4.8/20} + 10^{6.3/20})^2/4) = 11.76 \text{ dBi}$.

1.6 MPE EVALUATION OF SIMULTANEOUS TRANSMISSION

Non-beamforming mode

Mode	Max Ratio of Each Mode
2.4GHz Radio 3	0.322
5GHz Radio 1	0.013
5GHz Radio 2	0.315
Sum	0.65
Limit	1
Pass / Fail	Pass

Beamforming mode

Mode	Max Ratio of Each Mode
2.4GHz Radio 3	0.119
5GHz Radio 1	0.011
5GHz Radio 2	0.221
Sum	0.351
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

Tel: 886-3-271-8666
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.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

—END—