FCC RF Exposure Report

FCC ID	:	**2AYRA-03749**
Equipment	:	**AX4200 WiFi 6 Mesh Router**
Model No.	:	**MX4200 V2** **(Refer to item 1.1.1 for more details)**
Brand Name	:	**LINKSYS**
Applicant	:	**Linksys USA, Inc.**
Address	:	**121 Theory, Irvine, CA 92617, USA**
Standard	:	**47 CFR FCC Part 2.1091**
Received Date	:	**Mar. 09, 2022**
Tested Date	:	**Mar. 15 ~ Apr. 01, 2022**

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:	**Approved by:**
Along Chen / Assistant Manager	**Gary Chang / Manager**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FA230904	Rev. 01	Initial issue	May 11, 2022

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
LINKSYS	MX4200 V2	AX4200 WiFi 6 Mesh Router	For Marketing purpose
	MX4050 V2		
	MX4000 V2		
	MX4200C V2		
	SPNMX42		

- ✦ All models are electrically identical, different model names are for marketing purpose.
- ✦ The above models, model **MX4200 V2** was selected as a representative one for the final test and only its data was recorded in this report.

2 MPE EVALUATION OF MOBILE DEVICES

2.1 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

2.2 MPE EVALUATION FORMULA

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

Where

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

2.3 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

2.4 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.

2.5 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
Non-beamforming mode								
2412~2462	28.36	28.5	2.45	35	0.081	1	0.081	Pass
5180~5240	27.22	27.5	4.00	35	0.092	1	0.092	Pass
5260~5320	23.77	24.0	4.07	35	0.042	1	0.042	Pass
5500~5720	23.71	24.0	5.20	35	0.054	1	0.054	Pass
5745~5825	29.84	30.0	5.65	35	0.239	1	0.239	Pass
2402~2480	4.11	4.5	5.30	35	0.001	1	0.001	Pass
Beamforming mode								
2412~2462	24.58	25.0	5.46	35	0.072	1	0.072	Pass
5180~5240	24.01	24.5	7.01	35	0.092	1	0.092	Pass
5260~5320	20.76	21.0	7.08	35	0.042	1	0.042	Pass
5500~5720	17.69	18.0	11.15	35	0.053	1	0.053	Pass
5745~5825	23.82	24.0	11.40	35	0.225	1	0.225	Pass

*Ratio = Power density / Limit.

2.6 MPE EVALUATION OF SIMULTANEOUS TRANSMISSION

Non-beamforming mode

Mode	Max Ratio of Each Mode
2.4 GHz Wi-Fi	0.081
5.18 ~ 5.32 GHz Wi-Fi	0.092
5.5 ~ 5.825 GHz Wi-Fi	0.239
BT	0.001
Sum	0.413
Limit	1
Pass / Fail	Pass

Mode	Max Ratio of Each Mode
Beamforming mode 2.4 GHz Wi-Fi	0.072
Beamforming mode 5.18 ~ 5.32 GHz Wi-Fi	0.092
Beamforming mode 5.5 ~ 5.825 GHz Wi-Fi	0.225
BT	0.001
Sum	0.390
Limit	1
Pass / Fail	Pass

3 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==