

FCC RF Exposure Report

FCC ID : 2AL6XWAP7635
Equipment : Tri-band 2x2 Indoor AP
Model No. : WAP7635
Brand Name : Emplus
Applicant : Emplus Technologies, Inc
Address : Bld B, 10F, No.209, Sec.1, Nangang Rd. Taipei
City Taiwan
Standard : 47 CFR FCC Part 2.1091
Received Date : Mar. 25, 2025
Tested Date : Apr. 14 ~ Apr. 25, 2025

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 / Assistant Manager

Approved by:


Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
FA532503	Rev. 01	Initial issue	May 16, 2025

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 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

Non-beamforming mode

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2412-2462	25.42	25.5	4.20	20	0.186	1	0.186	Pass
5180-5240	25.43	25.5	4.90	20	0.218	1	0.218	Pass
5745-5825	25.47	25.5	6.20	20	0.294	1	0.294	Pass
5925-6425	21.70	22	5.10	20	0.102	1	0.102	Pass
6425-6525	21.94	22	4.70	20	0.093	1	0.093	Pass
6525-6875	18.97	19	4.70	20	0.047	1	0.047	Pass
6875-7125	21.70	22	5.10	20	0.102	1	0.102	Pass

Beamforming mode

Frequency Range (MHz)	Maximum Conducted Power (dBm)	Maximum Tune Up Limit (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	*Ratio	Pass / Fail
2412-2462	22.32	22.5	6.87	20	0.172	1	0.172	Pass
5180-5240	22.08	22.5	7.62	20	0.205	1	0.205	Pass
5745-5825	22.46	22.5	8.77	20	0.267	1	0.267	Pass
5925-6425	18.69	19	7.96	20	0.099	1	0.099	Pass
6425-6525	18.93	19	7.66	20	0.092	1	0.092	Pass
6525-6875	15.96	16	7.66	20	0.046	1	0.046	Pass
6875-7125	18.69	19	7.82	20	0.096	1	0.096	Pass

*Ratio = Power density / Limit.

1.7 MPE EVALUATION OF SIMULTANEOUS TRANSMISSION

Non-beamforming mode

Mode	Max Ratio of Each Mode
WLAN 2.4GHz	0.186
WLAN 5GHz	0.294
WLAN 6GHz	0.102
Sum	0.582
Limit	1
Pass / Fail	Pass

Beamforming mode

Mode	Max Ratio of Each Mode
WLAN 2.4GHz	0.172
WLAN 5GHz	0.267
WLAN 6GHz	0.099
Sum	0.538
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

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Kwei Shan

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

Kwei Shan Site II

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

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