

Product Name: AX1500 Wi-Fi 6 Router	Report No: FCC022022-03976MPE
Product Model: T262-T21D	Security Classification: Open
Version: V1.0	Total Page: 7

TIRT Testing Report

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FCC RF EXPOSURE REPORT

FCC ID: 2A22E-WWYLT262

Equipment : AX1500 Wi-Fi 6 Router
Model No. : T262-T21D, T262-T21X, T262-BXX, T262-PQX, (the last X=A-Z or a-z, which indicates for different appearance, dimension and color.)
Trademark : N/A
Product No. : 20220804012992
Applicant : Micronet Union Technology(Chengdu) Co., Ltd
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Manufacturer : Micronet Union Technology(Chengdu) Co., Ltd
Address : Room 502, Building 5, N.O. 528, Yuefei Road, Shibantan Street, Xindu District, Chengdu, Sichuan, China
Receipt Date : 2022.08.04
Issued Date : 2022.12.30
Test Sample : Final Sample
Standard(s) : FCC 47 CFR Part 1.1310 & FCC 47 CFR Part 2.1091

- The above equipment has been tested and found compliance with the requirement of the relative standards by TIRT Inc.
- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc., the test report shall not be reproduced except in full.

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History of this test report

Original Report Issue Date: 2022.12.30

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

For 2.4GWiFi

EUT	Antenna gain	Antenna Type
EUT1/EUT4/EUT5	Ant1: 5.25dBi, Ant2: 5.32dBi,	Integral antenna
EUT2/EUT3	Ant1: 4.32dBi, Ant2: 4.32dBi,	Integral antenna

For 5GWiFi

EUT	Antenna gain	Antenna Type
EUT1/EUT4/EUT5	Ant1: 5.20dBi, Ant2: 5.26dBi,	Integral antenna
EUT2/EUT3	Ant1: 4.88dBi, Ant2: 6.66dBi,	Integral antenna

2. TEST RESULTS

Worst case as below
For EUT1/EUT4/EUT5

Operating Mode	Freq.	Maximum conducted output power	Max. positive tolerance according manufacturer	Directional Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)		(dBi)	(dBm)	(mW)		(mW/cm ²)
2.4G Wifi	2412-2462	15.28	1	8.29	24.57	286.42	1	0.0570
5G Wifi	5180-5825	17.09	1	8.24	26.33	429.54	1	0.0855

For EUT2/EUT3

Operating Mode	Freq.	Maximum conducted output power	Max. positive tolerance according manufacturer	Directional Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)		(dBi)	(dBm)	(mW)		(mW/cm ²)
2.4G Wifi	2412-2462	15.28	1	7.33	23.61	229.61	1	0.0457
5G Wifi	5180-5825	17.09	1	8.83	26.92	492.04	1	0.0979

Note: 1. The calculated distance is 20 cm.

2. The 2.4G Wifi function can transmit at the same time with the 5G Wifi function

Simultaneous transmitting consideration

The ratio= $MPE_{2.4G\ Wifi}/limit + MPE_{5G\ Wifi}/limit = 0.0457/1 + 0.0979/1 = 0.1436 < 1.0$

Result: Compliant

(END OF REPORT)