中国认可
国际互认
检测
TESTING
CNAS L3110

TEST REPORT

Reference No.	:	WTD25D10286744W007
Manufacturer*	:	Shenzhen Cudy Technology Co., Ltd.
Address	:	7/F, Lepu Tower (West), 66 Xingke Rd, Nanshan, Shenzhen, China
Factory.....	:	Shenzhen Cudy Technology Co., Ltd.
Address	:	7/F, Lepu Tower (West), 66 Xingke Rd, Nanshan, Shenzhen, China
Product	:	AX3000 Gigabit Wi-Fi 6 Router
Model(s).....	:	WR3000
Standards	:	EN IEC 62311:2020 EN 50665:2017
Date of Receipt Sample ...	:	2025-11-03
Date of Test.....	:	2025-11-05 to 2026-03-13
Date of Issue	:	2026-03-24
Test Result	:	**Pass**

Remarks:
1. The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.
2. "*" **manufacturer** means any natural or legal person who manufactures radio equipment or has radio equipment designed or manufactured, and markets that equipment under his name or trade mark.

Prepared By:
Waltek Testing Group Co., Ltd.
Address: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Tel: +86-769-2267 6998
Fax: +86-769-2267 6828

Compiled by:

Frank Yin

Frank Yin / Project Engineer

Approved by:

Deval Qin

Deval Qin / Designated Reviewer

2 Contents

		Page
1	COVER PAGE	1
2	CONTENTS	2
3	REVISION HISTORY	3
4	GENERAL INFORMATION	4
4.1	GENERAL DESCRIPTION OF E.U.T.	4
4.2	DETAILS OF E.U.T.	5
5	TEST SUMMARY	6
6	HEALTH REQUIREMENTS	7
6.1	LIMITS	7
6.2	RF EXPOSURE EVALUATIONS	7
6.3	TEST RESULT OF RF EXPOSURE EVALUATION	8

3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD25D10286744W007	2025-11-03	2025-11-05 to 2026-03-13	2026-03-24	Original	-	Valid

4 General Information

4.1 General Description of E.U.T.

Product:	AX3000 Gigabit Wi-Fi 6 Router
Model(s):	WR3000
Model Description:	N/A
Wi-Fi Specification:	2.4G-802.11b/g/n(HT20)/ax(HE20)/n(HT40)/ax(HE40) 5G-802.11a/n(HT20/40)/ac(VHT20/40/80/160)/ax(HE20/40/80/160)
Hardware Version:	V2.0
Software Version:	2.4.14

4.2 Details of E.U.T.

Operation Frequency:	802.11b/g/n(HT20)/ax(HE20): 2412-2472MHz 802.11n(HT40)/ax(HE40): 2422-2462MHz U-NII-1 802.11a/n(HT20)/ac (VHT20)/ax (HE20), 5180-5240MHz 4CH 802.11n(HT40)/ac (VHT40)/ax (HE40), 5190-5230MHz 2CH 802.11ac (VHT80)/ax (HE80), 5210MHz 1CH 802.11ac (VHT160)/ax (HE160), 5250MHz 1CH U-NII-2A 802.11a/n (HT20)/ac (VHT20)/ax (HE20), 5260-5320MHz 4CH 802.11n (HT40)/ac (VHT40)/ax (HE40), 5270-5310MHz 2CH 802.11ac (VHT80)/ax (HE80), 5290MHz 1CH U-NII-2C 802.11a/n (HT20)/ac (VHT20)/ax (HE20), 5500-5700MHz 11CH 802.11n (HT40)/ac (VHT40)/ax (HE40), 5510-5670MHz 5CH 802.11ac (VHT80)/ax (HE80), 5530MHz, 5610MHz 2CH 802.11ac (VHT160)/ax (HE160), 5570MHz 1CH U-NII-3 802.11a/n (HT20)/ac(VHT20)/ax (HE20), 5745-5825MHz 5CH 802.11n (HT40)/ ac(VHT40)/ax (HE40), 5755-5795MHz 2CH 802.11ac (VHT80)/ax (HE80), 5775MHz 1CH
Max. RF output power:	2.4G ANT 1: 19.53dBm EIRP, ANT 2: 19.09dBm EIRP., Total: 19.79dBm EIRP 5G ANT 1 U-NII-1: 20.88dBm EIRP , U-NII-2A: 17.62dBm EIRP, U-NII-2C: 22.49dBm EIRP, U-NII-3: 13.18dBm EIRP ANT2 U-NII-1: 21.02dBm EIRP , U-NII-2A: 18.02dBm EIRP, U-NII-2C: 22.70dBm EIRP, U-NII-3: 13.18dBm EIRP ANT 1+ANT 2 U-NII-1: 22.23dBm EIRP , U-NII-2A: 19.94dBm EIRP, U-NII-2C: 25.18dBm EIRP, U-NII-3: 13.97dBm EIRP
Type of Modulation:	DSSS, OFDM
Antenna installation:	Integrated antenna
Antenna Gain:	2.4G: 1.15dBi 5G: 1.19dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Ratings:	Input: DC 12V, 1A
Adapter:	Model: A938-120100W-EU1 Input: 100-240V~, 50/60Hz Output: DC 12V, 1A Manufacturer: Shenzhen Aoda Power Technology Co., Ltd.

5 Test Summary

HEALTH PART		
Test Items	**Test Requirement**	**Result**
RF Exposure	EN IEC 62311 and EN 50665	PASS

Remark:

N/A: Not Applicable

RF: In this whole report RF means Radio Frequency.

6 Health Requirements

6.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz, unperturbed RMS values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density Seq (W/m2)
0-1 Hz	-	3.2×10^4	4×10^4	-
1-8 Hz	10000	$3.2\times10^4/f^2$	$4\times10^4/f^2$	-
8-25 Hz	10000	4000/f	5000/f	-
0.025-0.8 kHz	250/f	4/f	5/f	-
0.8-3 kHz	250/f	5	6.25	-
3-150 kHz	87	5	6.25	-
0.15-1 MHz	87	0.73/f	0.92/f	-
1-10 MHz	$87/f^{1/2}$	0.73/f	0.92/f	-
10-400 MHz	28	0.073	0.095	2
400-2000 MHz	$1.375\ f^{1/2}$	$0.0037\ f^{1/2}$	$0.0046\ f^{1/2}$	f/200
2-300 GHz	61	0.16	0.2	10

Note:

1. f as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz, Seq, E^2, H^2 and B^2 are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz, Seq, E^2, H^2 and B^2 are to be averaged over any $68 / f^{1.05}$ minute period (f in GHz).

6.2 RF Exposure Evaluations

From Council Recommendation 1999/519/EC table 2, the maximum power density is 10 W/m^2.
Power density (S) is calculated by the following formula:
$S = PG^* \text{ Duty factor} / 4\pi R^2$
P = Peak Power Input to antenna (Watts)
G =Antenna Gain (numeric)
R = distance to the center of radiation of antenna (in meter) = 0.20 m
Note:
1) P (Watts)=(10 ^ (dBm /10))/1000
2) G (Antenna gain in numeric) = 10^ (Antenna gain in dBi /10)
3) Duty factor=1.0
4) π=3.142

6.3 Test Result of RF Exposure Evaluation

Mode	Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (W)	Duty factor	Calculated RF Exposure (W/ m²)	Limit (W/ m²)
(2.4G Wi-Fi) ANT 1	1.15	1.30	18.38	0.069	1.0	0.1785	10
(2.4G Wi-Fi) ANT 2	1.15	1.30	17.94	0.062	1.0	0.1613	10
(2.4G Wi-Fi) Total	1.15	1.30	18.64	0.073	1.0	0.1895	10
(5G U-NII-1) ANT 1	1.19	1.32	19.67	0.093	1.0	0.2425	10
(5G U-NII-1) ANT 2	1.19	1.32	19.83	0.096	1.0	0.2516	10
(5G U-NII-1) Total	1.19	1.32	21.04	0.127	1.0	0.3316	10
(5G U-NII-2A) ANT 1	1.19	1.32	16.43	0.044	1.0	0.1150	10
(5G U-NII-2A) ANT 2	1.19	1.32	16.83	0.048	1.0	0.1261	10
(5G U-NII-2A) Total	1.19	1.32	18.75	0.075	1.0	0.1962	10
(5G U-NII-2C) ANT 1	1.19	1.32	21.3	0.135	1.0	0.3529	10
(5G U-NII-2C) ANT 2	1.19	1.32	21.51	0.142	1.0	0.3704	10
(5G U-NII-2C) Total	1.19	1.32	23.99	0.251	1.0	0.6557	10
(5G U-NII-3) ANT 1	1.19	1.32	11.99	0.016	1.0	0.0414	10
(5G U-NII-3) ANT 2	1.19	1.32	11.99	0.016	1.0	0.0414	10
(5G U-NII-3) Total	1.19	1.32	12.78	0.019	1.0	0.0496	10

======End of Report======