




RF Exposure Report

For

Applicant name: Unify Data Technology LLC
Address: 1013 Centre Road, Suite 403S.2Wilmington, DE 19805, County of New Castle
EUT name: Desktop server
Brand name: **UNIFYDRIVE**
Model number: UP6
Series model number: UP6A, UP6S, UP6C, UP6 Pro, UP6 Max
FCC ID: 2BGV2UP6

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Report number: BTF250527R00506
Test standards: 47 CFR Part 2 Subpart J Section 2.1091
Test conclusion: Pass
Date of sample receipt: 2025-02-28
Test date: 2025-03-03 to 2025-06-25
Date of issue: 2025-06-26
Test by: Sean He
Sean He / Tester
Prepared by: Chris Liu
Chris Liu / Project engineer

Ryan.CJ / EMC manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2025-06-26	Original
Note:	Once the revision has been made, then previous versions reports are invalid.	

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1. Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 518915.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Product Information

2.1 Application Information

Company Name:	Unify Data Technology LLC
Address:	1013 Centre Road, Suite 403S.2Wilmington, DE 19805, County of New Castle

2.2 Manufacturer Information

Company Name:	Beijing Zentreadi Intelligence Information Technology Co.,Ltd
Address:	Room1109, 10th Floor, Building A, No.2 Zhongguancun South Street, Haidian District, Beijing

2.3 Factory Information

Company Name:	SHENZHEN XINWUJIE TECHNOLOGY CO.,LTD.
Address:	Floor 2&3,Building 2, Mobi Technology Building, Genyu Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, P.R.China

2.4 General Description of Equipment under Test (EUT)

EUT name	Desktop server
Under test model name	UP6
Series model name	UP6A, UP6S, UP6C, UP6 Pro, UP6 Max
Description of model name differentiation	There is no difference except the name of the model
Hardware Version	I JK JBOX04_V0.3
Software Version	T6MTLJKJBOXV0707
Rating:	DC 19V from ADAPTER or DC 14.4V from recharge Li-ion battery

3. Test Requirement

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), Limits for Maximum Permissible Exposure (MPE),

Frequency range (MHz)	Electric field strength(V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500	-	-	f/300	6
1500–100,000	-	-	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	-	-	f/1500	30
1500–100,000	-	-	1.0	30

Note: f = frequency in MHz

EVALUATION METHOD

Transmission formula: $Pd = (Pout * G) / (4 * \pi * r^2)$

Where

Pd = power density in mW/cm², **Pout** = output power to antenna in mW, **G** = gain of antenna in linear scale;

Pi = 3.1416, **R** = distance between observation point and center of the radiator in cm

3.1 Assessment Result

☒ Passed ☐ Not Applicable

Frequency (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Conducted Power (mW)	Max ANT Gain (dBi)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
2480	BT-EDR	10.32	11.00	12.589	3.07	0.005081	1.0000	Pass
2480	BT-BLE	7.41	8.00	6.310	3.07	0.002547	1.0000	Pass
2412	802.11b	13.00	14.00	25.119	2.67	0.009246	1.0000	Pass
2462	802.11g	12.06	13.00	19.953	2.67	0.007344	1.0000	Pass
2462	802.11n20	14.97	16.00	39.811	2.67	0.014654	1.0000	Pass
2422	802.11n40	15.77	17.00	50.119	2.67	0.018448	1.0000	Pass
5700	802.11a	12.31	13.00	19.953	1.88	0.006123	1.0000	Pass
5180	802.11n20	14.90	16.00	39.811	1.88	0.012217	1.0000	Pass
5190	802.11n40	16.56	18.00	63.096	1.88	0.019362	1.0000	Pass

5180	802.11ac20	15.07	16.00	39.811	1.88	0.012217	1.0000	Pass
5190	802.11ac40	16.23	17.00	50.119	1.88	0.015380	1.0000	Pass
5775	802.11ac80	16.04	17.00	50.119	1.88	0.015380	1.0000	Pass
5570	802.11ac160	15.86	17.00	50.119	1.88	0.015380	1.0000	Pass
5320	802.11ax20	14.67	16.00	39.811	1.88	0.012217	1.0000	Pass
5190	802.11ax40	15.66	17.00	50.119	1.88	0.015380	1.0000	Pass
5210	802.11ax80	15.88	17.00	50.119	1.88	0.015380	1.0000	Pass
5570	802.11ax160	15.24	16.00	39.811	1.88	0.012217	1.0000	Pass

Note: The exposure evaluation safety distance is 20cm.



Test Report Number: BTF250527R00506



BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street,
Bao'an District, Shenzhen, China

www.btf-lab.com

--END OF REPORT--