

# Test Report

**Report No.:** MTi240919014-02E2

**Date of issue:** 2024-10-24

**Applicant:** ALOGIC Corporation Pty Ltd.

**Product:** GLYDE 4-IN-1 PORTABLE CHARGING STATION &  
10000mAh POWER BANK

**Model(s):** JXUT10WH, JXUT10XX (XX represents color)

**FCC ID:** 2ATCA-JXUT10

Shenzhen Microtest Co., Ltd.

<http://www.mtitest.cn>

## Instructions


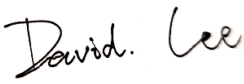
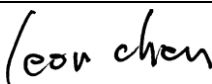
1. This test report shall not be partially reproduced without the written consent of the laboratory.
2. The test results in this test report are only responsible for the samples submitted
3. This test report is invalid without the seal and signature of the laboratory.
4. This test report is invalid if transferred, altered, or tampered with in any form without authorization.
5. Any objection to this test report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

# Contents

<b>1</b>	<b>General Description .....</b>	<b>5</b>
1.1	Description of the EUT .....	5
1.2	Description of test modes .....	5
1.3	Description of support units .....	7
<b>2</b>	<b>Measurement uncertainty .....</b>	<b>7</b>
<b>3</b>	<b>Test facilities and accreditations .....</b>	<b>8</b>
3.1	Test laboratory .....	8
<b>4</b>	<b>List of test equipment .....</b>	<b>9</b>
<b>5</b>	<b>Test result .....</b>	<b>10</b>
5.2	Test setup .....	11
5.3	Test Procedures.....	11
5.4	Information of test equipment .....	12
5.5	Test results.....	13
	<b>Photographs of the Test Setup.....</b>	<b>21</b>
	<b>Photographs of the EUT .....</b>	<b>21</b>

**Test Result Certification**

<b>Applicant:</b>	ALOGIC Corporation Pty Ltd.
<b>Address:</b>	Level 40, 140 William Street, Melbourne VIC, 3000 Australia
<b>Manufacturer:</b>	ALOGIC Corporation Pty Ltd.
<b>Address:</b>	Level 40, 140 William Street, Melbourne VIC, 3000 Australia
<b>Product description</b>	
<b>Product name:</b>	GLYDE 4-IN-1 PORTABLE CHARGING STATION & 10000mAh POWER BANK
<b>Trademark:</b>	JOURNEY, JRNY, JR-NY
<b>Model name:</b>	JXUT10WH
<b>Series Model:</b>	JXUT10XX (XX represents color)
<b>Standards:</b>	47 CFR PART 1, § 1.1310
<b>Test method:</b>	KDB 680106 D01 Wireless Power Transfer v04
<b>Date of Test</b>	
<b>Date of test:</b>	2024-09-30 to 2024-10-08
<b>Test result:</b>	Pass

<b>Test Engineer</b>	:	
		(James Qin)
<b>Reviewed By</b>	:	
		(David Lee)
<b>Approved By</b>	:	
		(Leon Chen)

# 1 General Description

## 1.1 Description of the EUT

Product name:	GLYDE 4-IN-1 PORTABLE CHARGING STATION & 10000mAh POWER BANK
Model name:	JXUT10WH
Series Model:	JXUT10XX (XX represents color)
Model difference:	All the models are the same circuit and module, except the model name and color.
Electrical rating:	USB-C Input: DC 5V/ 3A, 9V/ 2A, 12V/ 1.5A USB-C Output: DC 5V/ 3A, 9V/ 2.22A, 12V/ 1.67A Qi2 Charging Output: 15W(Max) Apple Watch Charging Output: 5W(Max) AirPods Charging Output: 5W(Max) Capacity: 10000mAh(36Wh)
Accessories:	Cable: Type-c to Type-c Cable: 1.5m
Hardware version:	V1.0
Software version:	0.26
Test sample(s) number:	MTi240919014-02S1001
<b>RF specification:</b>	
Operation frequency:	Coil1(Phone): 115-205kHz(5W, 7.5W), 360kHz(15W) Coil2(Airpods): 115-205kHz(5W) Coil3(Watch): 326.5kHz(3W), 1778kHz(5W)
Modulation type:	ASK
Antenna type:	Coil

## 1.2 Description of test modes

All the test modes were carried out with the EUT in normal operation, the final test mode of the EUT was the worst test mode for emission test, which was shown in this report and defined as:

No.	Emission test modes
Mode1	Wireless output(5W)+ AirPods (5W)+Watch(3W)
Mode2	Wireless output(7.5W)+ AirPods (5W)+Watch(3W)
Mode3	Wireless output(15W)+ AirPods (5W)+Watch(3W)
Mode4	Wireless output(5W)+ AirPods (5W)+Watch(5W)
Mode5	Wireless output(7.5W)+ AirPods (5W)+Watch(5W)
Mode6	Wireless output(15W)+ AirPods (5W)+Watch(5W)
Mode7	Wireless output(5W)+ AirPods (5W)
Mode8	Wireless output(7.5W)+ AirPods (5W)
Mode9	Wireless output(15W)+ AirPods (5W)
Mode10	Wireless output(5W)+Watch(3W)
Mode11	Wireless output(7.5W)+Watch(3W)
Mode12	Wireless output(15W)+Watch(3W)

Mode13	Wireless output(5W)+Watch(5W)
Mode14	Wireless output(7.5W)+Watch(5W)
Mode15	Wireless output(15W)+Watch(5W)
Mode16	Wireless output(5W)
Mode17	Wireless output(7.5W)
Mode18	Wireless output(15W)
Mode19	Airpods (5W)
Mode20	Watch(3W)
Mode21	Watch(5W)
Mode22	stand by

### 1.3 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support equipment list			
Description	Model	Serial No.	Manufacturer
Mobile phone	iPhone 12	/	Apple
Mobile phone	iPhone 13	/	Apple
Air Pods	MQD83CH/A	/	Apple
iwatch	iwatch S7	/	Apple
Support cable list			
Description	Length (m)	From	To
/	/	/	/

## 2 Measurement uncertainty

Parameter	Expanded Uncertainty
Magnetic field measurements(3kHz~10MHz)	$\pm 14.8\%$
Electric field measurements(3kHz~10MHz)	$\pm 17.5\%$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

### 3 Test facilities and accreditations

#### 3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573



#### 4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
MTI-E143	Near-field Electric and Magnetic Field Sensor System	SPEAG	MAGPy-8H3D +ED3	3101	2024/3/12	2027/3/11

No.	Equipment	Manufacturer	Model	Software version:	Cal. date	Cal. Due
MTI-E016S	MPE test software	SPEAG	MAGPY 2.4	2.4.1	/	/

## 5 Test result

### 5.1.1 Requirement

§1.1310: 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), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

**Table 1 to §1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)**

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(i) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	<6
30-300	61.4	0.163	1.0	<6
300-1500			f/300	<6
1500-100000			5	<6
<b>(ii) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	<30
30-300	27.5	0.073	0.2	<30
300-1500			f/1500	<30
1500-100000			1.0	<30

f = frequency in MHz

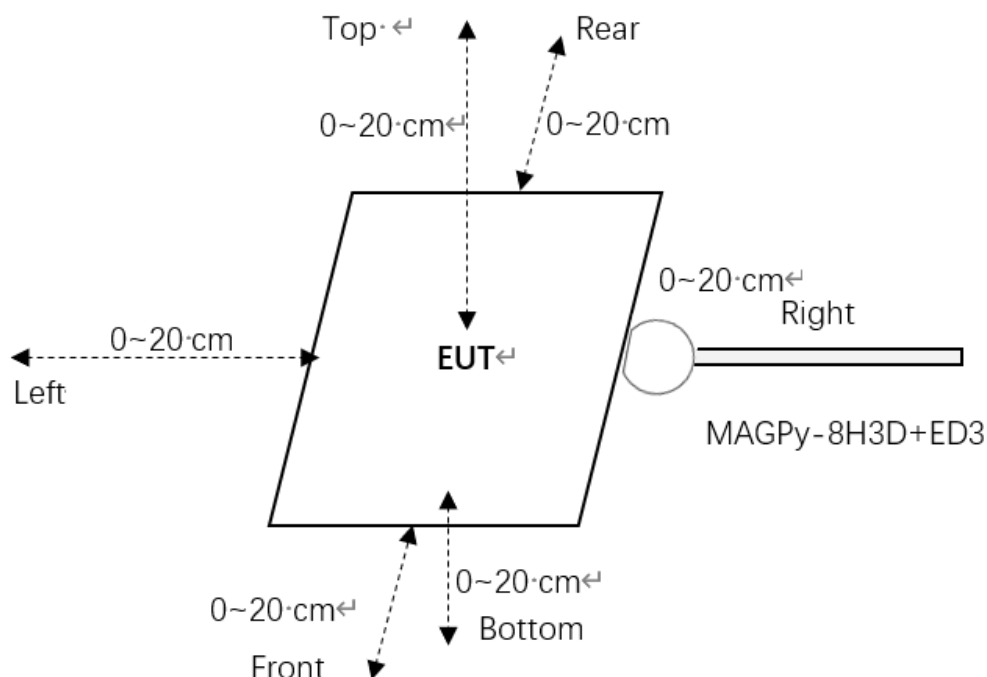
\* = Plane-wave equivalent power density

**Note 1:** Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

**Note 2:** General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

## 5.2 Test setup

0~20cm distance:



Note: tips mode of the test probe is used for 0cm measurement.

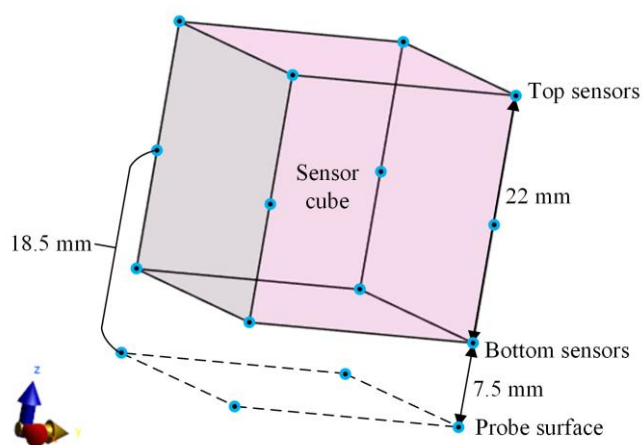
## 5.3 Test Procedures

a. H-field measurements should be taken 0 cm ~ 20 cm with 2 cm increments from the center of the probe.

The center of the probe to the tip surface of the probe is 18.5 mm, so the directly testing can be performed at the probe center from 2 cm to 20 cm.

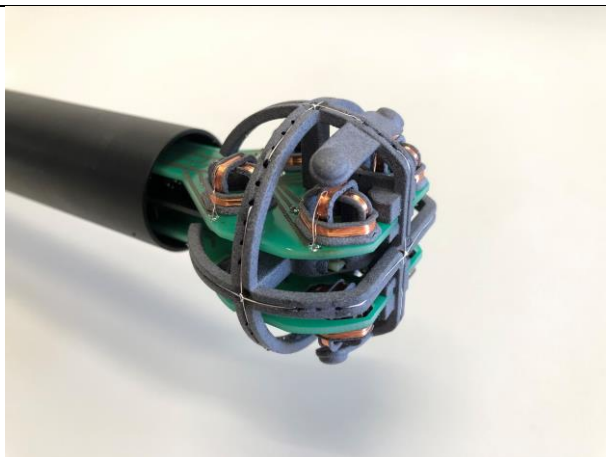
To measure the 0 cm H-field, the probe tip mode is used. The total H-field at the tip-surface  $H_{tip-surface}$  can be extrapolated using the total H-field measured at the top and bottom sensors,  $H_{top}$  and  $H_{bottom}$ , as well as the normalized H-field gradient  $G_n$ . The field extrapolation formula is a polynomial function of  $G_n$  ( $\Delta d = 18.5$  mm)

$$H_{tip-surface} = \frac{H_{bottom} + H_{top}}{2} \sum_{i=0}^7 ci(G_n \Delta d)^i$$



## 5.4 Information of test equipment

Test equipment: MAGPy-8H3D+ED3	
Diameter	60mm
8 isotropic H-field sensors	Concentric loops of 1cm <sup>2</sup> arranged at the corner of a cube of 22mm side length
1 isotropic E-field sensor	Orthogonal dipole/monopole (arm length: 50mm)
Measurement center	18.5mm from the probe tip
Dimensions	110*635*35mm (MAGPy-8H3D+E3D V2 & MAGPy-DAS V2)



Test probe, without the casing

Item	Specification
Test frequency range:	3kHz ~ 10MHz
Probe sensitivity	E-field: 0.08-2000 V/m H-field: 0.1-3200 A/m
Probe level response	E-field: $\pm 1$ dB H-field: $\pm 1$ dB
linearity error	E-field: $\pm 0.3$ dB H-field: $\pm 0.3$ dB
Isotropy	E-field: $\pm 0.8$ dB H-field: $\pm 0.6$ dB

## 5.5 Test results

The worst power status mode is 1% battery status

Test condition 1: Mode 2 operating mode with client device (1 % battery status of client device)

-estimated value: 0cm

Estimated value for H-Filed Strength at 0 cm from the edges surrounding the EUT (A/m)

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.51	1.63	92.64%
	Left	1.49		
	Right	1.33		
	Front	1.29		
	Rear	1.42		
	Bottom	1.22		

Test condition 2: Mode 2 operating mode with client device (1 % battery status of client device)

- Test distance: 2cm

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.38	1.63	84.76%
	Left	1.36		
	Right	1.22		
	Front	1.18		
	Rear	1.30		
	Bottom	1.12		

**Test condition 3: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 4cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.24	1.63	75.78%
	Left	1.22		
	Right	1.09		
	Front	1.06		
	Rear	1.16		
	Bottom	1.00		

**Test condition 4: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 6cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.05	1.63	64.72%
	Left	1.04		
	Right	0.93		
	Front	0.90		
	Rear	0.99		
	Bottom	0.85		

**Test condition 5: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 8cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.87	1.63	53.20%
	Left	0.86		
	Right	0.76		
	Front	0.74		
	Rear	0.82		
	Bottom	0.70		

**Test condition 6: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 10cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.70	1.63	43.14%
	Left	0.69		
	Right	0.62		
	Front	0.60		
	Rear	0.66		
	Bottom	0.57		

**Test condition 7: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 12cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.58	1.63	35.42 %
	Left	0.57		
	Right	0.51		
	Front	0.49		
	Rear	0.54		
	Bottom	0.47		

**Test condition 8: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 14cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.46	1.63	27.95 %
	Left	0.45		
	Right	0.40		
	Front	0.39		
	Rear	0.43		
	Bottom	0.37		

**Test condition 9: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 16cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.33	1.63	19.98 %
	Left	0.32		
	Right	0.29		
	Front	0.28		
	Rear	0.31		
	Bottom	0.26		

**Test condition 10: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 18cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.23	1.63	14.21 %
	Left	0.23		
	Right	0.20		
	Front	0.20		
	Rear	0.22		
	Bottom	0.19		

**Test condition 11: Mode 2 operating mode with client device (1 % battery status of client device)**
**- Test distance 20cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.15	1.63	9.26%
	Left	0.15		
	Right	0.13		
	Front	0.13		
	Rear	0.14		
	Bottom	0.12		



**Test condition 1: Mode 6 operating mode with client device (1 % battery status of client device)**

**-estimated value: 0cm**

**Estimated value for H-Filed Strength at 0 cm from the edges surrounding the EUT (A/m)**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.35	1.63	82.82%
	Left	1.22		
	Right	1.15		
	Front	1.20		
	Rear	1.31		
	Bottom	1.05		

**Test condition 2: Mode 6 operating mode with client device (1 % battery status of client device)**

**- Test distance: 2cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.24	1.63	75.78%
	Left	1.12		
	Right	1.05		
	Front	1.10		
	Rear	1.20		
	Bottom	0.96		

**Test condition 3: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 4cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	1.10	1.63	67.75%
	Left	1.00		
	Right	0.94		
	Front	0.98		
	Rear	1.07		
	Bottom	0.86		

**Test condition 4: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 6cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.94	1.63	57.86%
	Left	0.85		
	Right	0.80		
	Front	0.84		
	Rear	0.92		
	Bottom	0.73		

**Test condition 5: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 8cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.78	1.63	47.56%
	Left	0.70		
	Right	0.66		
	Front	0.69		
	Rear	0.75		
	Bottom	0.60		

**Test condition 6: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 10cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.63	1.63	38.57%
	Left	0.57		
	Right	0.54		
	Front	0.56		
	Rear	0.61		
	Bottom	0.49		

**Test condition 7: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 12cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.52	1.63	31.67 %
	Left	0.47		
	Right	0.44		
	Front	0.46		
	Rear	0.50		
	Bottom	0.40		

**Test condition 8: Mode 6 operating mode with client device (1 % battery status of client device)**
**- Test distance 14cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.41	1.63	24.98 %
	Left	0.37		
	Right	0.35		
	Front	0.36		
	Rear	0.40		
	Bottom	0.32		

**Test condition 9: Mode 6 operating mode with client device (1 % battery status of client device)**  
**- Test distance 16cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.29	1.63	17.86 %
	Left	0.26		
	Right	0.25		
	Front	0.26		
	Rear	0.28		
	Bottom	0.23		

**Test condition 10: Mode 6 operating mode with client device (1 % battery status of client device)**  
**- Test distance 18cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.21	1.63	12.70 %
	Left	0.19		
	Right	0.18		
	Front	0.18		
	Rear	0.20		
	Bottom	0.16		

**Test condition 11: Mode 6 operating mode with client device (1 % battery status of client device)**  
**- Test distance 20cm**

Antenna	Probe Position	H-field (A/m)		
		Measurement	Limit	Max. Percentage (%)
1	Z axis	0.13	1.63	8.28%
	Left	0.12		
	Right	0.11		
	Front	0.12		
	Rear	0.13		
	Bottom	0.10		

## Photographs of the Test Setup

See the Appendix - Test Setup Photos.

## Photographs of the EUT

See the Appendix - EUT Photos.

**----End of Report----**