

## FCC 47 CFR MPE REPORT

PYS High-Tech Co., Ltd.

PODIUM 3-IN-1 WIRELESS CHARGER

Model Number: NB-WP-3N1TRY

FCC ID: 2AU7D-PODIUMA

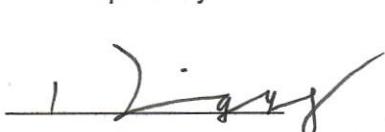
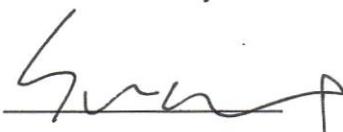
Applicant:	PYS High-Tech Co., Ltd.
Address:	1F~12F, Block 9, Lianhua Industrial Zone, Longhua,
	Shenzhen 518109, China
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
	Tel: 86-769-83081888-808

Report Number:	ESTE-R2408118
Date of Test:	Aug. 03, 2024~ Aug. 21, 2024
Date of Report:	Aug. 22, 2024

<b>Applicant:</b>	PYS High-Tech Co., Ltd. 1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen 518109, China		
<b>Manufacturer:</b>	PYS High-Tech Co., Ltd. 1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen 518109, China		
<b>Factory 1:</b>	PYS High-Tech Co., Ltd. 1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen, Guangdong 518109 CHINA		
<b>Factory 2:</b>	PYS VIETNAM TECHNOLOGY COMPANY LIMITED CN-06, ThuanThanh II industrial zone, Mao Dien commune, ThuanThanh district, BacNinh, Vietnam		
<b>E.U.T:</b>	PODIUM 3-IN-1 WIRELESS CHARGER		
<b>Model Number:</b>	NB-WP-3N1TRY		
<b>Power Supply:</b>	Input: DC 5V/3A; DC 9V/3A; DC 12V/3A		
<b>Trade Name:</b>	Nimble	Serial No.:	-----
<b>Date of Receipt:</b>	Aug. 03, 2024	<b>Date of Test:</b>	Aug. 03, 2024~ Aug. 21, 2024
<b>Test Specification:</b>	FCC CFR 47 Part 1.1307(b)&1.1310 KDB 680106 D01 RF Exposure Wireless Charging Apps v04r01		
<b>Test Result:</b>	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC CFR 47 Part 1.1307(b)&1.1310 requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.		

Date: Aug. 22, 2024

Prepared by:

Ring Yang / Assistant

Reviewed by:

Seven Wang / Engineer



Iceman Hu / Manager

**Other Aspects:** None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

## 1. Summary of test

### 1.1. Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	Maximum Permissible Exposure	Part 1.1307(b)&1.1310	PASS

### 1.2. Test Mode

Test Item	Test Mode	
Maximum Permissible Exposure	Phone: 15W+Airpods 5W+iWatch 3.5W	Full load
		Half load
		No load
	Phone: 15W	Full load
		Half load
	Airpods 5W	Full load
		Half load
	iWatch 3.5W	Full load
		Half load

Note: All mode have been tested, only the worst case 15W+ 5W+ 3.5W full load test data record in the report.

### 1.3. Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Electric and Magnetic Field Probe-Analyzer	Narda S.T.S./PMM	EHP-200A	EST-E106	June 13,24	1 Year
Test Software	Narda	EHP200-T S	Rel 1.92	N/A	N/A

Note: Test uncertainty:  $\pm 1.62$  dB (H-field);  $\pm 1.64$  dB (E-field) at a level of confidence of 95%.

### 1.4. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
1	Adapter	-	HKAP3891B-36US	-	-
2	Airpods	-	A1938	-	-
3	iWatch	-	A2859	-	-
4	Phone	-	A3108	-	-

Item	Shielded Type	Ferrite Core	Length	Model Name/Type No.	Note

1	NO	NO	1.5m	-	DC Cable
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## 2. Maximum Permissible Exposure

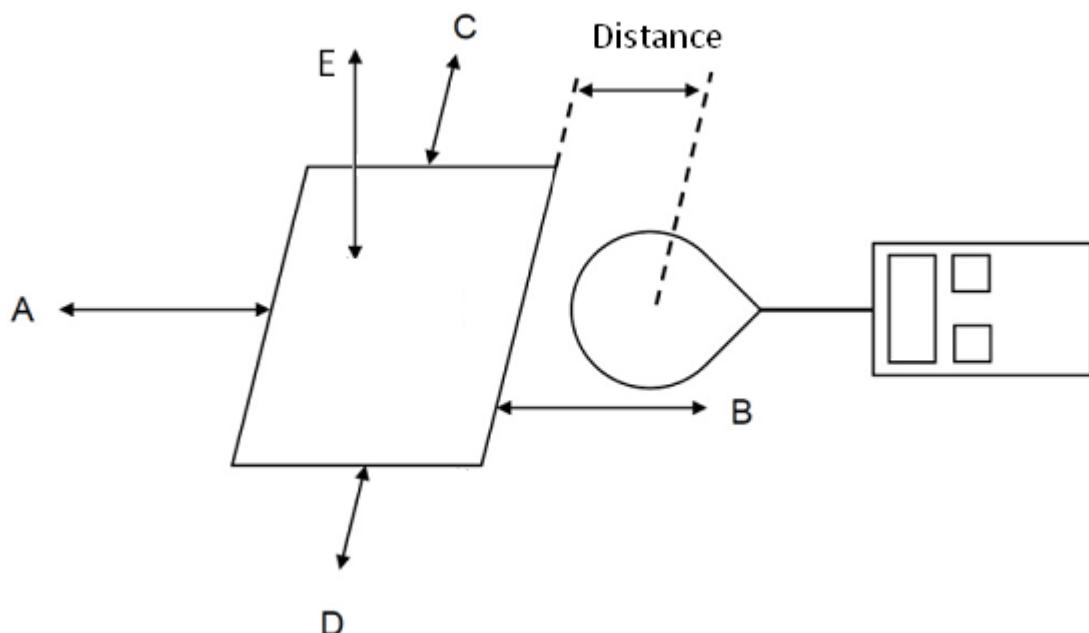
### 2.1. Limit

#### 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>(A) 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
300-1,500			f/300	6
1,500-100,000			5	6
<b>(B) 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
300-1,500			f/1500	30
1,500-100,000			1.0	30

Note: f = frequency in MHz \* = Plane-wave equivalent power density.

### 2.2. Test Setup



## 2.3. Test Procedure

- a. The test was performed on 360 degree turn table in anechoic chamber.
- b. The probe was placed at 20 cm surrounding, for test setup.
- c. The highest emission level was recorded and compared with limit as soon as measurement of each point; A, B, C, D, E were completed.

## 2.4. Equipment Approval Considerations

Inductive wireless power transfer applications with supporting field strength results and meeting all of the following requirements are not required to submit a KDB inquiry for devices approved using SDoC or a PAG for equipment approved using certification to address RF exposure compliance.

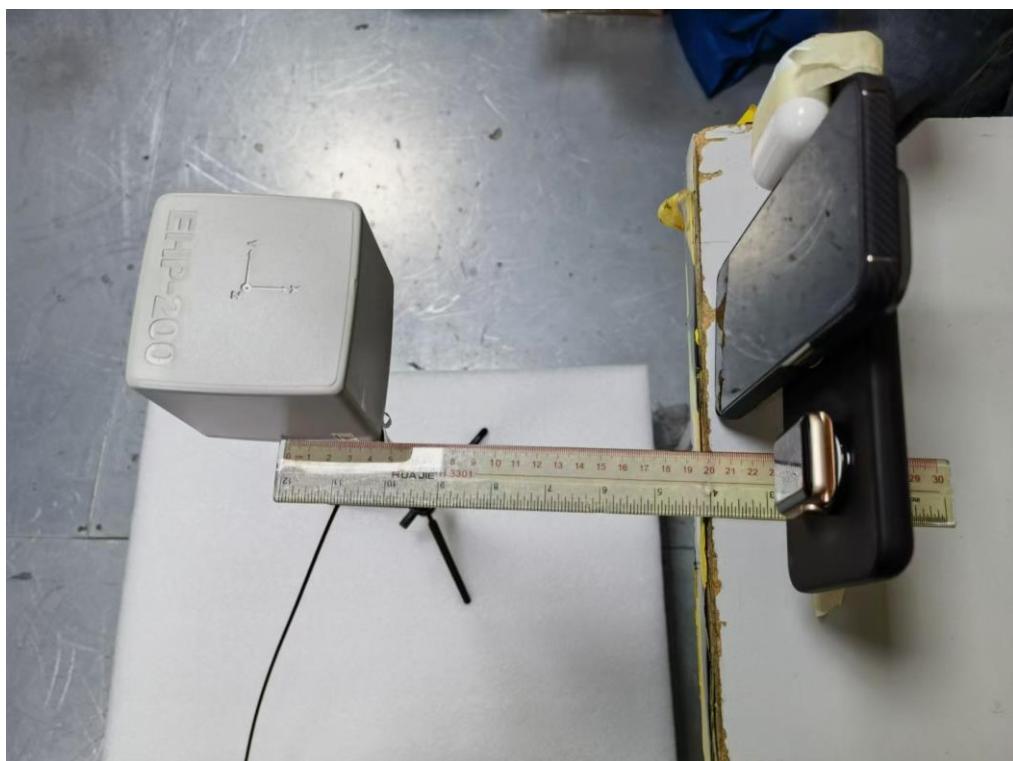
1	Power transfer frequency is less than 4 MHz YES; the device operated in the frequency range from 110.5-205;326.5;360.
2	Output power from each primary coil is less than or equal to 15 watts YES; the maximum output power of the primary coil is 15W.
3	The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time. YES; The EUT has three source primary coils
4	Client device is placed directly in contact with the transmitter. YES; Client device is placed directly in contact with the transmitter.
5	Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion). YES; Mobile exposure conditions only.
6	The aggregate H-field strengths anywhere at or beyond 20 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit. YES; The EUT field strength levels are 50% x MPE limits.

## 2.5. Test Result for Test setup :

E-field strength				
Test Direction	Measuring Distance	Test Frequency		
		110.5-205KHz	326.5KHz	360KHz
Position A(V/m)	20cm	0.838	0.335	1.108
Position B(V/m)	20cm	0.954	0.487	1.138
Position C(V/m)	20cm	0.910	0.624	1.064
Position D(V/m)	20cm	0.591	0.541	1.224
Position E(V/m)	20cm	0.857	0.426	1.357
Limits (V/m)		614		
H-field strength				
Test Direction	Measuring Distance	Test Frequency		
		110.5-205KHz	326.5KHz	360KHz
Position A(A/m)	20cm	0.053	0.048	0.051
Position B(A/m)	20cm	0.056	0.051	0.049
Position C(A/m)	20cm	0.067	0.046	0.050
Position D(A/m)	20cm	0.048	0.054	0.063
Position E(A/m)	20cm	0.057	0.048	0.049
Limits (A/m)		1.630		

## 3. Test photo

Position E



End of Test Report