



# FCC Test Report

**FCC ID:** 2AU7D-102407

**Product** : Phone Sanitizer with Qi Wireless Charger  
**Trademark** : N/A  
**Model Name** : PYS-WPC20035-1  
**Applicant** : PYS High-Tech Co., Ltd.  
**Date of Issue** : Oct 13, 2020  
**Report No** : DGE200904005F01

## Prepared for

PYS High-Tech Co., Ltd  
1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen, Guangdong  
518109 CHINA

## Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.  
1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street,  
Bao'an District, Shenzhen P.R. China  
Tel.: +86-0755-61156588 Fax.: +86-0755-61156599  
Website: [www.ntek.org.cn](http://www.ntek.org.cn)

**TEST RESULT CERTIFICATION**

**Applicant's name** ..... : PYS High-Tech Co., Ltd  
Address ..... : 1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen, Guangdong 518109 CHINA  
**Manufacturer's Name** ..... : PYS High-Tech Co., Ltd  
Address ..... : 1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen, Guangdong 518109 CHINA

**Product description**

Product name ..... : Phone Sanitizer with Qi Wireless Charger  
Trademark ..... : N/A  
Model and/or type reference .. : PYS-WPC20035-1  
Family Model ..... : 102407  
Rating(s) ..... : Input: DC 12V 1.5A/9V 1.8A/5V 2A, Wireless Charger 10W (max)

**Standards** ..... : FCC Part 1(1.1310) and Part 2(2.1091)

**Date of Test:**

Date (s) of performance of tests .... Sep 04, 2020 to Oct 13,2020  
Date of Issue..... Oct 13,2020  
Test Result ..... **Pass**

Testing Engineer : Leo.Zhu  
(Leo.Zhu)

Technical Manager : Eder.Zhan  
(Eder.Zhan)

Authorized Signatory : Wetow Hoang  
(Wetow Hoang)



**REPORT REVISE RECORD**

Report No.	Revise Time	Issued Date	Valid Version	Notes
DGE200904005F01	/	Oct.13, 2020	Valid	Initial Release

**TABLE OF CONTENTS**

<b>1. MEASURING STANDARD .....</b>	<b>4</b>
1.1. TEST CONFIGURATION .....	4
1.2. TEST SETUP .....	4
<b>2.LIMITS.....</b>	<b>5</b>
<b>3.MEASURING DEVICE AND TEST EQUIPMENT .....</b>	<b>5</b>
<b>4.MEASURING RESULTS.....</b>	<b>6</b>

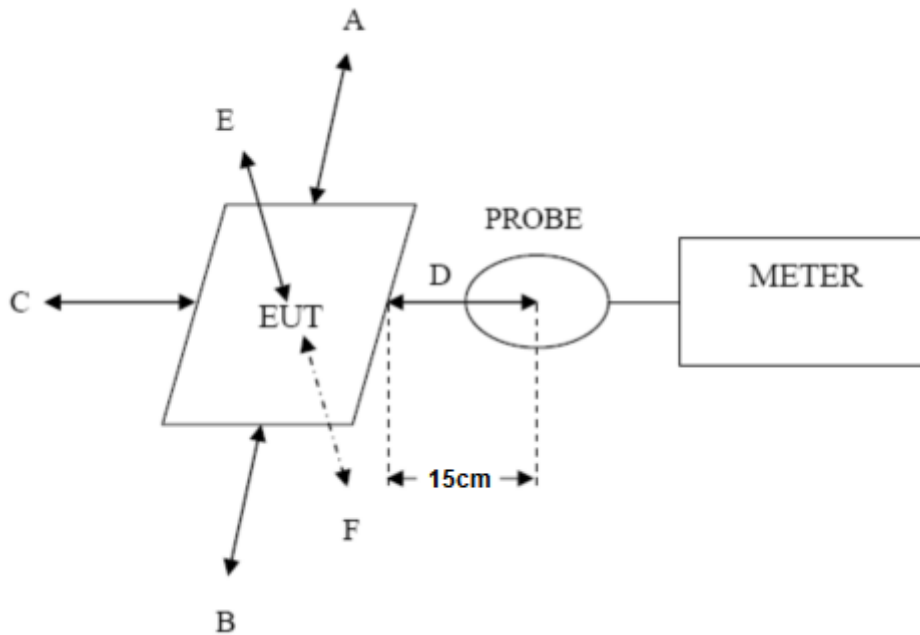
**11. Measuring Standard**

FCC Part 1(1.1310) and Part 2(2.1091)

**1.1.1.1 Test configuration**

1. The field strength of both E-field and H-field was measured at 15cm using the equipment list above for determining compliance with the MPE requirements of FCC Part 1.1310.
2. The RF power density was measured at Under maximum load test
3. Maximum E-field and H-field measurements were made 15cm from each side of the EUT. Along the side of the EUT and still 15cm away from the edge of the EUT, the field probes were positioned at the location where there is maximum field strength. The maximum E-field and H-field is reported below.
4. This device uses a wireless charging circuit for power transfer operating at the frequency of 110 –205kHz. Thus, the 300kHz limits were used: E-field Limit = 614 (V/m); H-field limit = 1.63 (A/m).

**1.2.1.2 Test Setup**



## 22.Limits

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	*300/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

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

## 3.MEASURING DEVICE AND TEST EQUIPMENT

For MPE Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	E-Field Probe (100kHz-60GHz)	Narda	NBM-520	D-0830	Jan. 04, 2020	1 Year
2.	H-Field Probe (300KHz-30MHz)	Narda	2300/90.10	B-0137	Jan. 04, 2020	1 Year
3.	Broadband Field Meter	Narda	NBM-550	Q201455	Jan. 04, 2020	1 Year

#### 4. Measuring Results

Table 1: E-Field Strength at 15 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

EUT Test Mode	Measured E-Field Strength Values (V/m)					50% Limit (V/m)	Limit (V/m)
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1% Battery Level	0.75	0.69	0.64	0.70	0.65	307	614
50% Battery Level	0.68	0.76	0.65	0.69	0.72	307	614
99% Battery Level	0.74	0.65	0.69	0.62	0.73	307	614

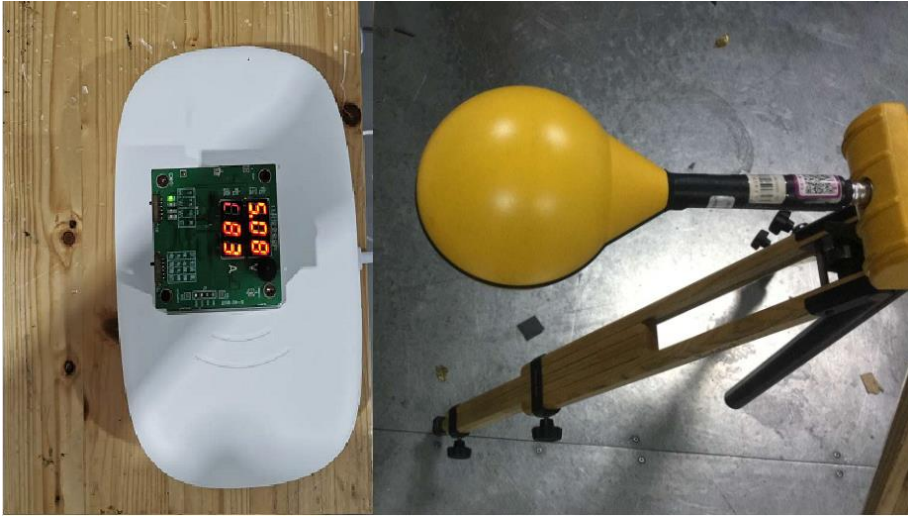
Table 2: H-Field Strength at 15 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

EUT Test Mode	Measured H-Field Strength Values (A/m)					50% Limit (A/m)	Limit (A/m)
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1% Battery Level	0.437	0.456	0.442	0.436	0.452	0.815	1.63
50% Battery Level	0.443	0.460	0.455	0.437	0.438	0.815	1.63
99% Battery Level	0.453	0.476	0.443	0.460	0.449	0.815	1.63

Remark:

The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

#### 5. Test Results



\*\*\*\*\* End of Report\*\*\*\*\*