

# Maximum Permissible Exposure

**FCC ID** : YOM-VSCANAIRWC  
**Equipment** : Vscan Air Charger  
**Brand Name** : GE Healthcare  
**Model Name** : GP200304  
**Applicant** : GE Healthcare  
John F Welch Technology Center, Odyssey,  
#122,EPIP Phase II, Whitefield, Bangalore,  
560066 India.  
**Manufacturer** : BizLink (Kunshan) Co., Ltd.  
Jiangsu, China No.168, Nanhe Rd., Kunshan  
Economic & Technology Development Zone,  
Kunshan City, Jiangsu 215300, China  
**Standard** : 47 CFR Part 2.1091

The product was received on Mar. 23, 2022, and testing was started from Mar. 30, 2022 and completed on Mar. 30, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR Part 2.1091 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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**PHOTOGRAPHS OF EUT V01**





### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
2	-	Maximum Permissible Exposure	PASS	-

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

None

Reviewed by: Ben Tseng

Report Producer: Ann Hou

# 1 General Description

## 1.1 Information

### 1.1.1 EUT General Information

RF General Information			
Evaluation Mode	Frequency Range	Operating Frequency	Modulation Type
WPC	112-205 kHz	113.5 kHz	FSK

### 1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	CHILISIN	BTWW00505024TXB011	Wireless charging antenna coils	NA

### 1.1.3 Accessories

Accessories				
AC Adapter (US Plug)	Brand Name	XP Power	Model Name	VEU10US050-US
	Power Rating	I/P: 100 - 240 Vac, 0.3 A, O/P: 5 Vdc, 2.1 A		
USB Cable	Brand Name	BizLink	Model Name	117G0-089750-R1
	Signal Line	1.2 meter, shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

### 1.1.4 Support Equipment

Support Equipment					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	WPC Load	Bizlink	N/A	-	Provided by Customer

## 1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2.1091

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB680106 D01 RF Exposure Wireless Charging Apps v03r01

## 1.3 Testing Location Information

<b>Test Lab. : Sporton International Inc. Hsinhua Laboratory</b>				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Johnny	20.7~25.3°C / 53~62%	30/Mar/2022



## 2 Human Exposure Assessment

### 2.1 Maximum Permissible Exposure

#### 2.1.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes)
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
1500-100,000	-	-	5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes)
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
1500-100,000	-	-	1.0	30

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

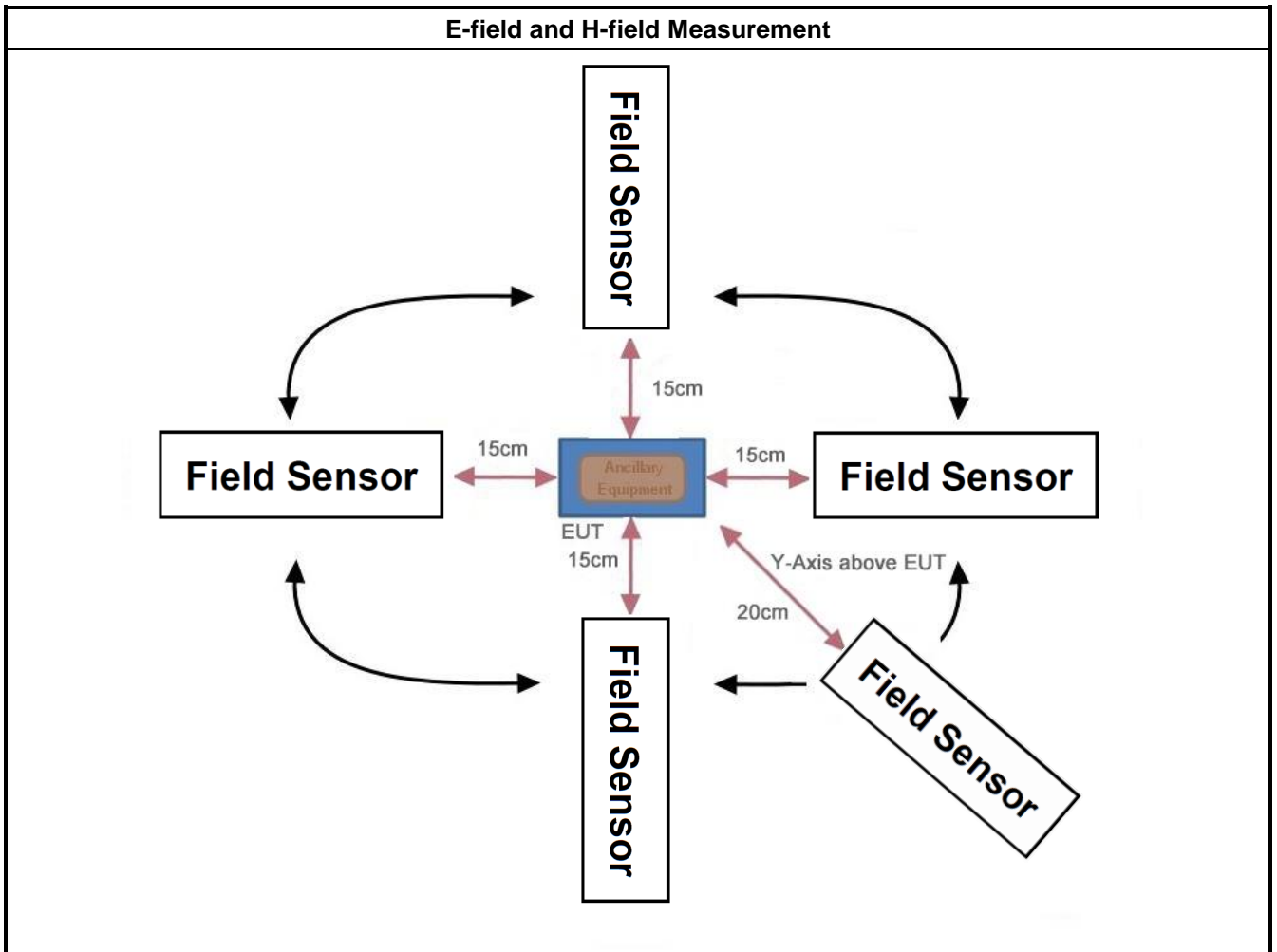
#### 2.1.2 The Worst Condition

Ancillary Equipment	Evaluation Mode	Worst Condition
WPC Load	WPC	Full load

#### 2.1.3 Test Method

Test Method
<input checked="" type="checkbox"/> Performed aggregate both leakage E-field and H-field at surrounding the device from all simultaneous transmitting coils.
<input checked="" type="checkbox"/> During testing, the EUT was placed on a non-conductive table top and the ancillary equipment (e.g., mobile phone) was placed on the EUT for charging. Maximum E-field and H-field measurements were tested 15 cm from each side of the EUT. Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

### 2.1.4 Test Setup



Note 1: find worst position for each axis.

Note 2: This shall be measured as the distance from the edge of the device to the center of the measurement probe.

### 2.1.5 Result of Maximum Permissible Exposure

Maximum Permissible Exposure				
Charging Condition	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
Full load	15cm	Left	1.2813	0.204
	15cm	Right	1.7188	0.055
	15cm	Top	6.4375	0.185
	15cm	Bottom	1.9688	0.123
	20cm	Y-axis above EUT	1.2813	0.390
<b>Limit</b>			614	1.63
<b>Margin Limit (%)</b>			1.05%	23.93%



### 3 Test Equipment and Calibration Data

**Instrument for Conducted Test**

Instrument	Manufacturer/ Brand Name	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Electric and Magnetic field Probe - Analyzer	Narda S.T.S. / PMM	EHP 200AC	180ZX00640	3kHz~30MHz	28/Dec/2021	27/Dec/2022