

Maximum Permissible Exposure

FCC ID : YOM-VSAWCGP3132
Equipment : Vscan Air Wireless Charger
Brand Name :  GE HealthCare
Model Name : GP310000, GP320000
Applicant : GE HealthCare
John F Welch Technology Center, Odyssey, #122,EPIP
Phase II, Whitefield, Bangalore, 560066 India.
Manufacturer : BizLink (Kunshan) Co., Ltd.
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 Jan. 05, 2023, and testing was started from Feb. 26, 2023 and completed on Feb. 26, 2023. 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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History of this test report

Report No.	Version	Description	Issued Date
FA310417NF	01	Initial issue of report	Mar. 31, 2023



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	112-148.5 kHz	136.43kHz for GP310000 112.1kHz for GP320000	FSK

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	CHILISIN	BTWW00505024TXB011	Wireless charging antenna coils	N/A

1.1.3 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Molex Cable	USB Cable	Description
GP310000	V		The only difference between the models is the interface of USB cable.
GP320000		V	

1.1.4 Accessories

Accessories				
Molex Cable (USB Type-C to Molex)	Brand Name	BizLink	Model Name	114G0-031835-01
	Cable Spec	1.0 meter, shielded cable		
USB Cable (USB Type-C to USB Type-A)	Brand Name	BizLink	Model Name	114G0-031833-01
	Power Cord	0.5 meter, shielded cable		

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

1.1.5 Support Equipment

Support Equipment					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Dummy load	BizLink	CWQ1100	-	Provided by Customer
4	Wireless Coil	BizLink	CWQ1100	-	Provided by Customer
5	Molex to USB-Type A	BizLink	Molex to USB-Type 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

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ 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	TH01-HY	Vivi Jiang	22.2~23.8°C / 50~54%	26/Feb/2023

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 ²)	Averaging Time E ² , H ² or S (minutes)
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

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
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 ; *Plane-wave equivalent power density

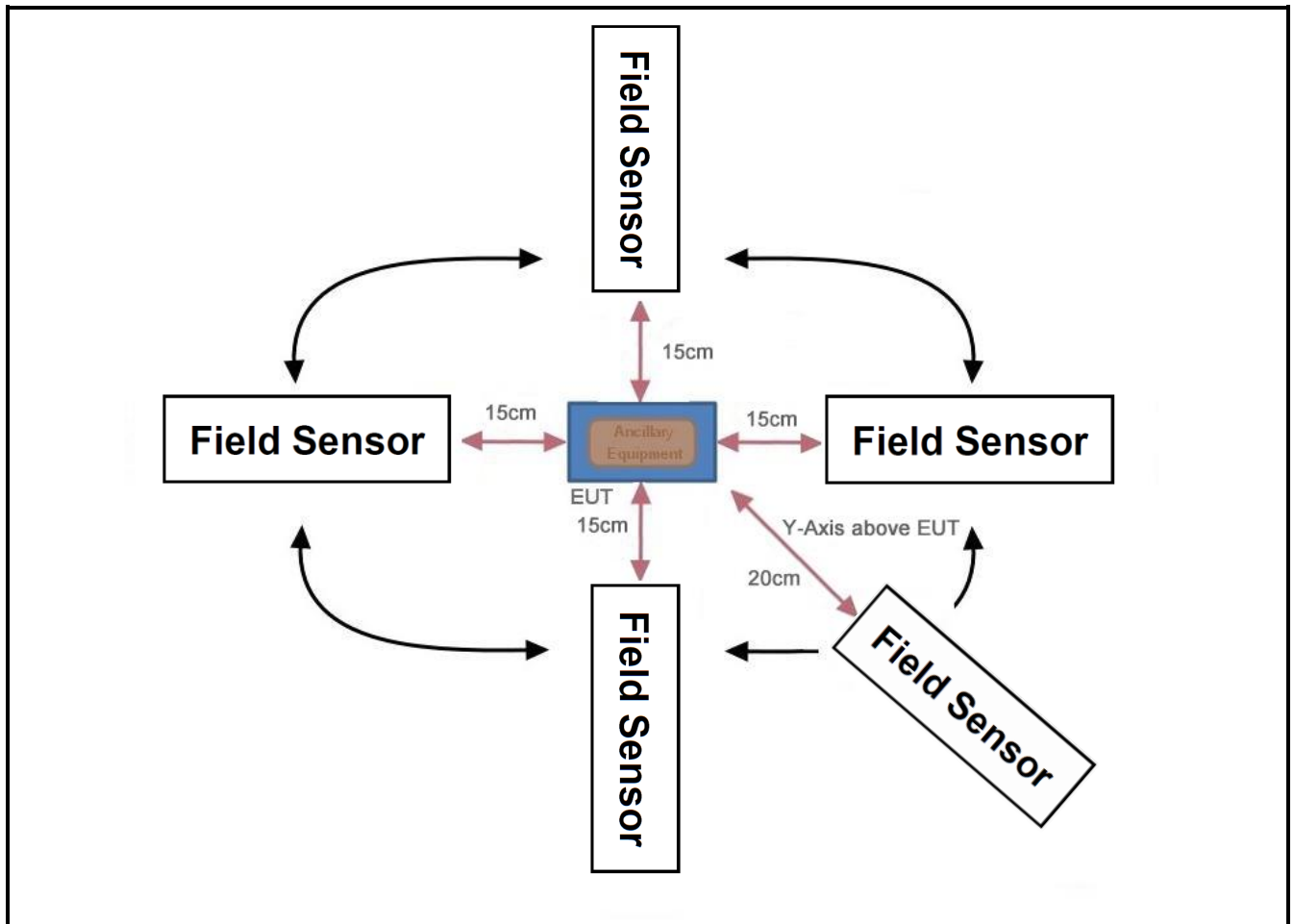
2.1.2 The Worst Condition

Ancillary Equipment	Evaluation Mode	Worst Condition
Dummy load	WPC	Operating

2.1.3 Test Method

Test Method
☒ Performed aggregate both leakage E-field and H-field at surrounding the device from all simultaneous transmitting coils.
☒ 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 (GP310000)				
Charging Condition	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
Operating	15cm	Left	0.2808	0.177
	15cm	Right	0.561	0.206
	15cm	Top	1.5994	0.119
	15cm	Bottom	0.7444	0.400
	20cm	Y-axis above EUT	0.8305	0.120
Limit			614	1.63
Result			Pass	Pass

Maximum Permissible Exposure (GP320000)				
Charging Condition	Separation	Probe from EUT Side	E-field (V/m)	H-field (A/m)
Operating	15cm	Left	1.1827	0.572
	15cm	Right	1.1008	0.554
	15cm	Top	1.8265	0.179
	15cm	Bottom	0.741	0.902
	20cm	Y-axis above EUT	1.5735	0.220
Limit			614	1.63
Result			Pass	Pass



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	10/Jan/2023	09/Jan/2024
Probe – test tool	Narda S.T.S. / PMM	EHP200-TS	Rel 1.94 28/08/2020	N/A	N/A	N/A



4 Measurement Uncertainty

Test Items	Uncertainty	Remark
Maximum Permissible Exposure	1.5 (V/m)	Confidence levels of 95%