

Maximum Permissible Exposure

FCC ID : HV4DTH134
Equipment : Pen display with touch
Brand Name : Wacom
Model Name : DTH134 , DTH134W0A , DTH134W2A
Applicant : Wacom Co., Ltd.
2-510-1 Toyonodai Kazo-shi, Saitama 349-1148 Japan
Manufacturer : Wacom Co., Ltd.
2-510-1 Toyonodai Kazo-shi, Saitama 349-1148 Japan
Standard : 47 CFR Part 2.1093

The product was received on Mar. 30, 2022, and testing was started from May 20, 2022 and completed on May 20, 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 2.1093 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
FA240726NF	01	Initial issue of report	Jun. 07, 2022
FA240726NF	02	Update PHOTOGRAPHS OF EUT (This report is the latest version replacing for the report issued on Jun. 07, 2022)	Jun. 10, 2022



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: Ryan Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (kHz)	Operating Frequency	Modulation Type
SRD	531.25/562.5/593.75/625	562.5	ASK

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	Array Coil Pointing	NA

1.1.3 Table for Multiple Listing

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

Model Name	Description
DTH134 , DTH134W0A , DTH134W2A	All the models are identical, the different model served as marketing strategy.

1.1.4 Accessories

Accessories Information				
USB 3 in 1 Cable	Brand Name	N/A	Model Name	JPA-W-J349-000
	Signal Line	2.2 meter, shielded cable, w/o ferrite core		
Digital Pen	Brand Name	Wacom	Model Name	CP-923-03B-2
AC Adapter	Brand Name	Jiangsu Leader Electronics Inc.	Model Name	IU25-2200125-U
	Power Rating	I/P: 100 - 240Vac, 50/60Hz, 45VA~50VA, 0.7A O/P: 5 Vdc, 3A, 15.0W O/P: 9 Vdc, 2.77A, 24.93W O/P: 15 Vdc, 1.68A, 24.9W O/P: 20 Vdc, 1.25A, 25.0W		
Type-C Cable*2	Brand Name	N/A	Model Name	JPA-W-J350-000
	Signal Line	1.8 meter, shielded cable, w/o ferrite core		

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	-	-

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 2.1093

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<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	TH07-HY	Alan	20.1~26.9°C / 50~60%	20/May/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 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

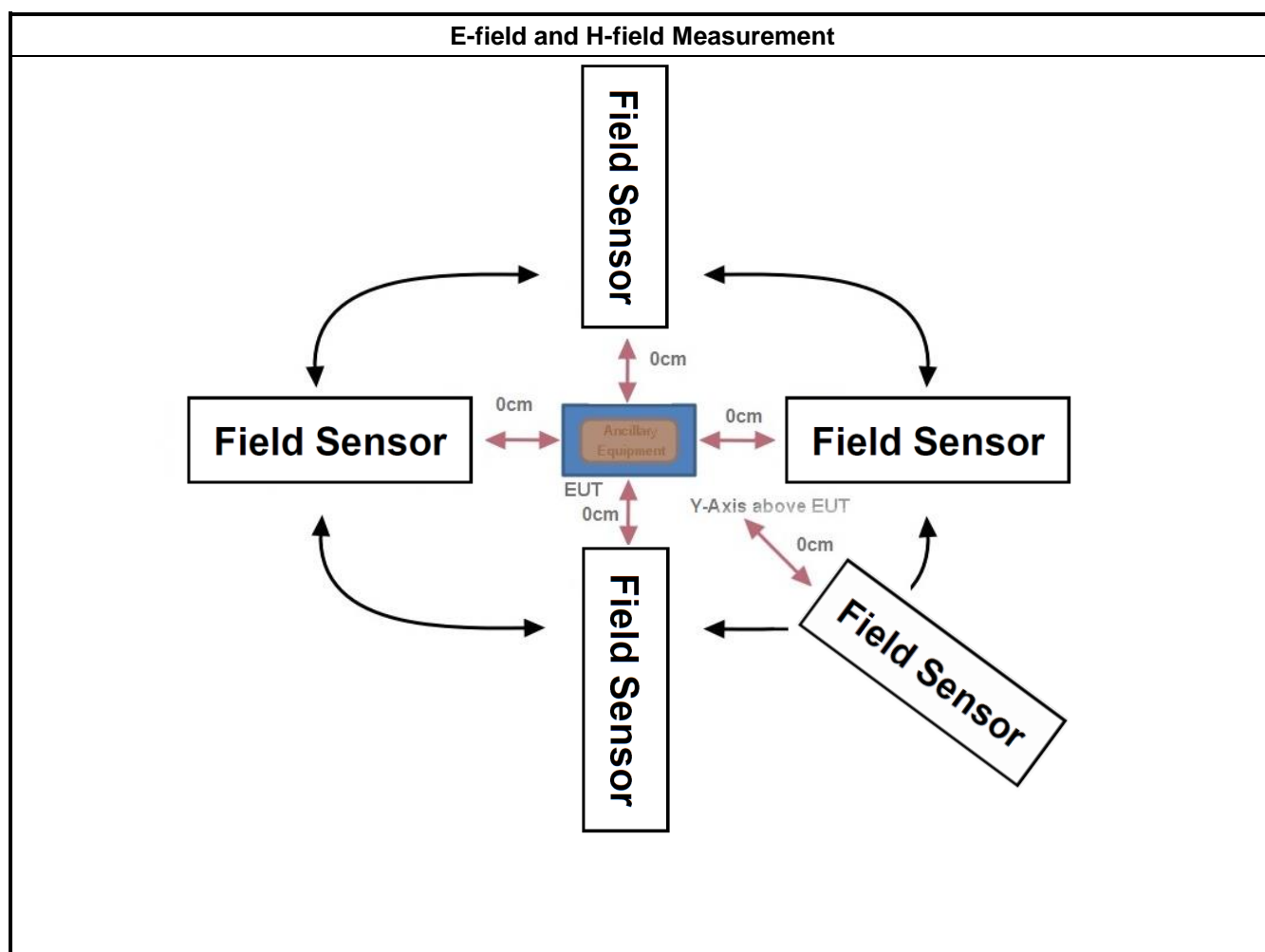
2.1.2 The Worst Condition

Ancillary Equipment	Evaluation Mode	Worst Condition
Digital Pen	SRD	Operating

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 0 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.

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)
Operating	0cm	Left	1.2565	0.0033
	0cm	Right	0.6519	0.0034
	0cm	Top	0.4966	0.0034
	0cm	Bottom	0.9361	0.0043
	0cm	Y-axis above EUT	2.26	0.0053
Limit			614	1.63
Margin Limit (%)			0.37%	0.33%



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

NCR: No Calibration Required.