

Maximum Permissible Exposure

Equipment : Pen Tablet
Brand Name : Wacom
Model No. : CTL-6100WL
FCC ID : HV4CTL6100WL
Standard : 47 CFR Part 2.1091
Applicant / Manufacturer : Wacom Co., Ltd.
2-510-1 Toyonodai, Kazo-shi, Saitama 349-1148 Japan

The product sample received on Nov. 16, 2017 and completely tested on Dec. 17, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in IEEE C95.1 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., the test report shall not be reproduced except in full.

Reviewed by:


Kevin Liang / Assistant Manager



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1 Human Exposure Assessment

1.1 Maximum Permissible Exposure

1.1.1 Limit of Maximum Permissible Exposure

| 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 |
| 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 1: f = frequency in MHz ; *Plane-wave equivalent power density | | | | |
| Note 2: For the applicable limit, see FCC 1.1310 | | | | |

1.1.2 Testing Applied Standards

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

FCC KDB 680106 D01 RF Exposure Wireless Charging Apps v02 - Part 2 Section 2.109



1.2 Testing Location Information

| Testing Location | | | | |
|--|---------------|---|----------------------|-------------|
| <input checked="" type="checkbox"/> | HWA YA | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) | | |
| | | TEL : 886-3-327-3456 | FAX : 886-3-327-0973 | |
| Test site Designation No. TW1190 with FCC. | | | | |
| Test Condition | Test Site No. | Test Engineer | Test Environment | Test Date |
| RF Conducted | TH01-HY | Gary | 22.1°C / 63.1% | 17/Dec/2017 |

1.3 Accessories and Support Equipment

| Accessories | | | | |
|-----------------|--------------|---|------------|------------|
| Battery | Brand Name | Wacom | Model Name | PR-234385G |
| | Manufacturer | TCL Hyperpower Batteries | | |
| | Power Rating | 3.8Vdc, 1260mAh | Type | Li-ion |
| Touch Pen | Brand Name | Wacom | Model Name | LP-1100 |
| Micro USB Cable | Brand Name | Wacom | Model Name | STJ-A393 |
| | signal line | 1.5 meter, shielded cable, w/o ferrite core | | |

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

| Support Equipment - RF Conducted | | | | |
|----------------------------------|----------------------|------------|------------|--------|
| No. | Equipment | Brand Name | Model Name | FCC ID |
| 1 | Notebook | DELL | E5410 | DOC |
| 2 | Adapter for Notebook | DELL | HA65NM130 | DOC |

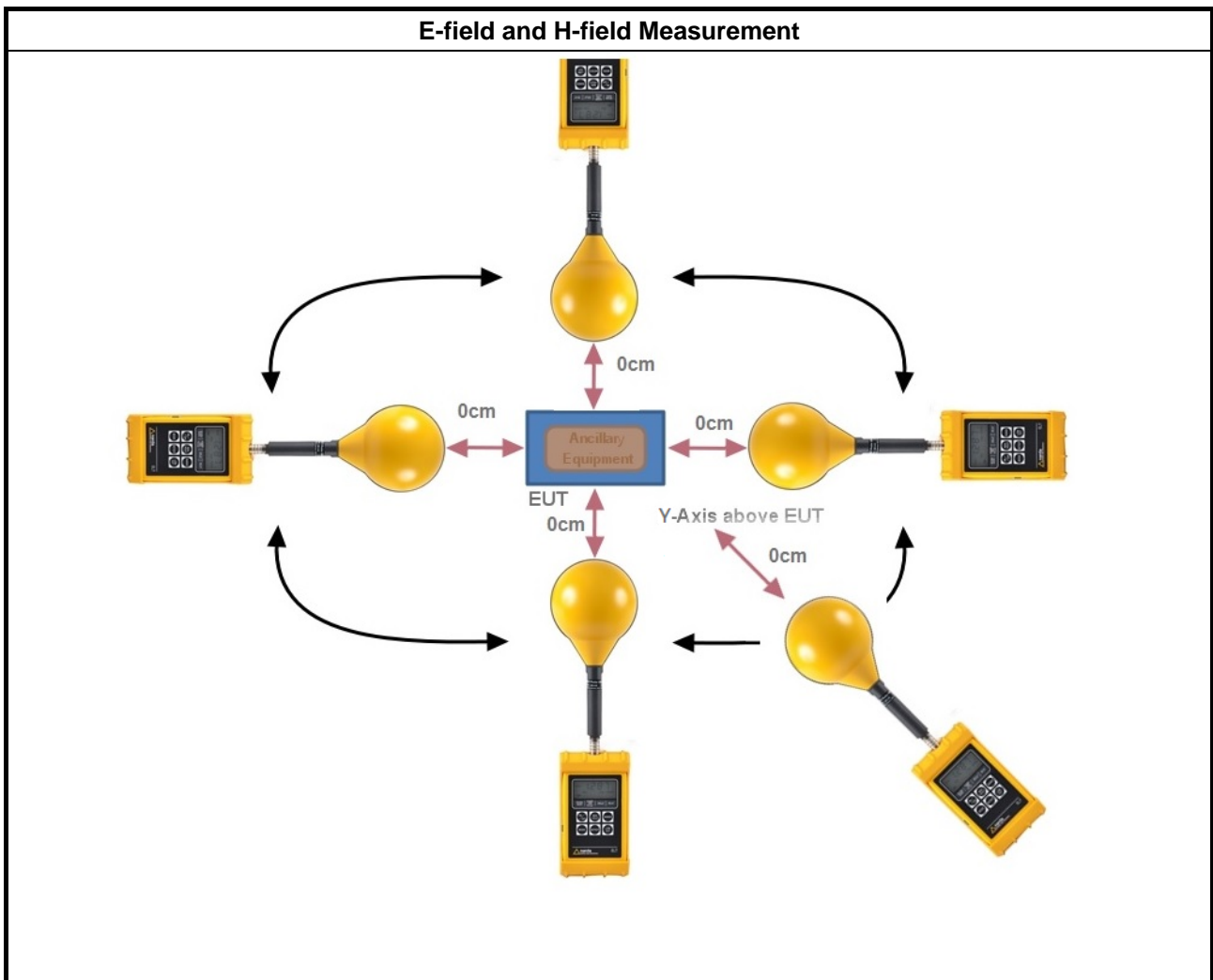
1.4 The Worst Charging Condition

| Ancillary Equipment | Operating Condition |
|---------------------|---------------------|
| Touch Pen | Touch Panel |

1.5 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 0cm 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. |

1.6 Test Setup





1.7 Result of Maximum Permissible Exposure

| Maximum Permissible Exposure | | | | |
|------------------------------|------------|---------------------|---------------------|---------------------|
| Charging Condition | Separation | Probe from EUT Side | E-field (V/m) - rms | H-field (A/m) - rms |
| Touch Panel | 0cm | Left | 0.44 | 0.001 |
| Touch Panel | 0cm | Right | 0.61 | 0.002 |
| Touch Panel | 0cm | Top | 0.73 | 0.002 |
| Touch Panel | 0cm | Bottom | 0.69 | 0.002 |
| Touch Panel | 0cm | Z-axis above EUT | 1.31 | 0.003 |
| Limit | | | 614 | 1.63 |
| Margin Limit (%) | | | 0.21% | 0.21% |



2 Test Equipment and Calibration Data

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Calibration Due Date |
|-----------------------|----------------------------------|--------------|------------|-----------------|------------------|----------------------|
| Probe EF | Narda Safety Test Solutions GmbH | 0391 E-Field | D-0667 | 0.1MHz ~ 3GHz | 09/ Jun/2016 | 08/Jun/2018 |
| Broadband Field Meter | Narda Safety Test Solutions GmbH | NBM-550 | E-0847 | 0.1MHz ~ 3GHz | 09/ Jun/2016 | 08/Jun/2018 |