RF EXPOSURE REPORT
For
FCC ID: A7M-K1181291

Product Name:	**Watch Stand with Charging Cable**
Trademark:	**N/A**
Model Number:	**K118-1291** **RCA136, RCA136A, MCA136, MCA136A**
Prepared For : Address :	**Shenzhen Reflying Electronic Co., Ltd.** 6 Bldg, GaoXinJian Industrial zone, HePing village, Fuyong Town, Bao'an district,Shenzhen, Guangdong, China
Prepared By : Address :	**Shenzhen BCTC Testing Co., Ltd.** BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China
Test Date:	**May. 04 - May. 10, 2018**
Date of Report :	**May. 10, 2018**
Report No.:	**BCTC-FY180502363-1E**

TEST RESULT CERTIFICATION

Applicant's name	:	**Shenzhen Reflying Electronic Co., Ltd.**
Address	:	6 Bldg, GaoXinJian Industrial zone, HePing village, Fuyong Town, Bao'an district,Shenzhen, Guangdong, China
Manufacture's Name	:	**Shenzhen Reflying Electronic Co., Ltd.**
Address	:	6 Bldg, GaoXinJian Industrial zone, HePing village, Fuyong Town, Bao'an district,Shenzhen, Guangdong, China
Product description		
Product name	:	**Watch Stand with Charging Cable**
Trademark	:	**N/A**
Model and/or type reference	:	**K118-1291** **RCA136, RCA136A, MCA136, MCA136A**
Serial Model	:	**N/A**
Power Supply		Input：DC 5V1A Output：DC5V1A
Model Difference	:	All the model are the same circuit and RF module, except model names.
Standards	:	FCC CFR 47 part1, 1.1307(b), 1.1310

This device described above has been tested by BCTC, and the test results show that the equipment under And it is applicable only to the tested sample identified in the report.
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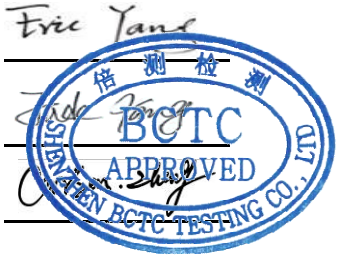
Prepared by(Engineer):	Eric Yang
Reviewer(Supervisor):	Jade Yang
Approved(Manager):	Carson Zhang



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1. GENERAL INFORMATION

1.1. Independent Operation Mode

The basic operation mode is:

1.1.1. Charging

1.2. Test Supporting System

Adapter
Description : Adapter
Model No. : BCTC-001
Power Input : AC100-240V~50/60Hz
Output: 5V⎓ 1A
DC Line : Unshielded, Detachable 1m

Mobile phone
Model No. : Apple Watch
S/N: FHLPQLFJG9J8

2.LIST OF TEST AND MEASUREMENT INSTRUMENTS

2.1. For conducted emission at the mains terminals test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Exposure Level Tester	Narda	ELT-400	N-0231	Aug. 08,17	Aug. 07,19
Magnetic field probe 100cm2	Narda	B-Field Probe 100cm2	M0675	Aug. 08,17	Aug. 07,19
843 Chamber	ETS	843	84301	Aug. 27,17	Aug. 26,19

3. METHOD OF MEASUREMENT

3. 1.Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v03: RF Exposure Wireless Charging Apps v02.

3. 2. Test Modes

Test Modes	keeping TX+Charging mode

3. 3. MAXIMUM PERMISSIBLE EXPOSURE

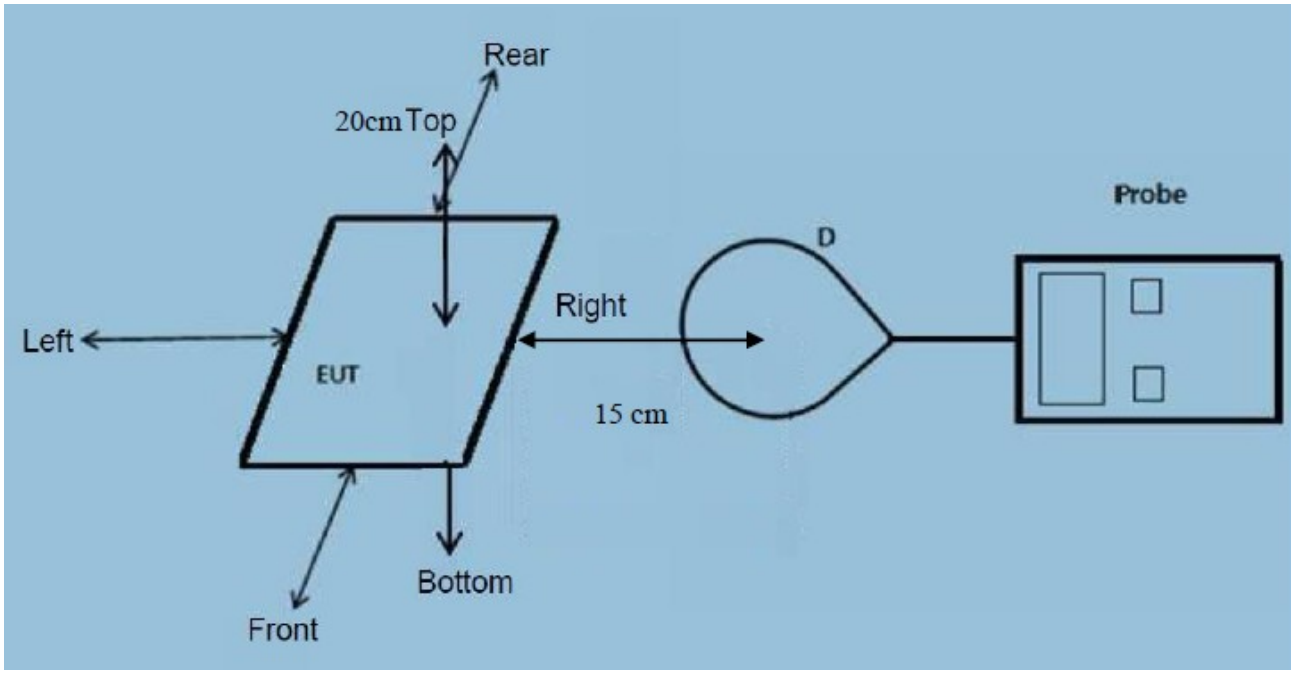
Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	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)*	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/ cm²)	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)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	30

4. TEST RESULT

4.1. Conducted Emission at the Mains Terminals Test



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device

Test Procedure:

a) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
b) The measurement probe was placed at test distance (15cm) which is between the edge of the charger and the geometric centre of probe.
c) The turn table was rotated 360d degree to search of highest strength.
d) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
e) The EUT were measured according to the dictates of KDB 680106D01v03.

4.2. Equipment Approval Considerations:

The EUT does comply with item 5(b) of KDB 680106 D01v03

1) Power transfer frequency is less than 1MHz
Yes, the device operate in the frequency range from 110 KHz to 205 KHz

2) Output power from each primary coil is less than or equal to 15 watts.

Yes, the maximum output power of the primary coil is 5W.

3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that able to detect and allow coupling onlybetween individual pair of coils.

Yes, the transfer system includes only single primary and secondary coils.

4) Client device is inserted in or placed directly in contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

Yes, the EUT is a Mobile Wireless Charger

6) 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.

Yes, the EUT field strength levels are 50% x MPE limit.

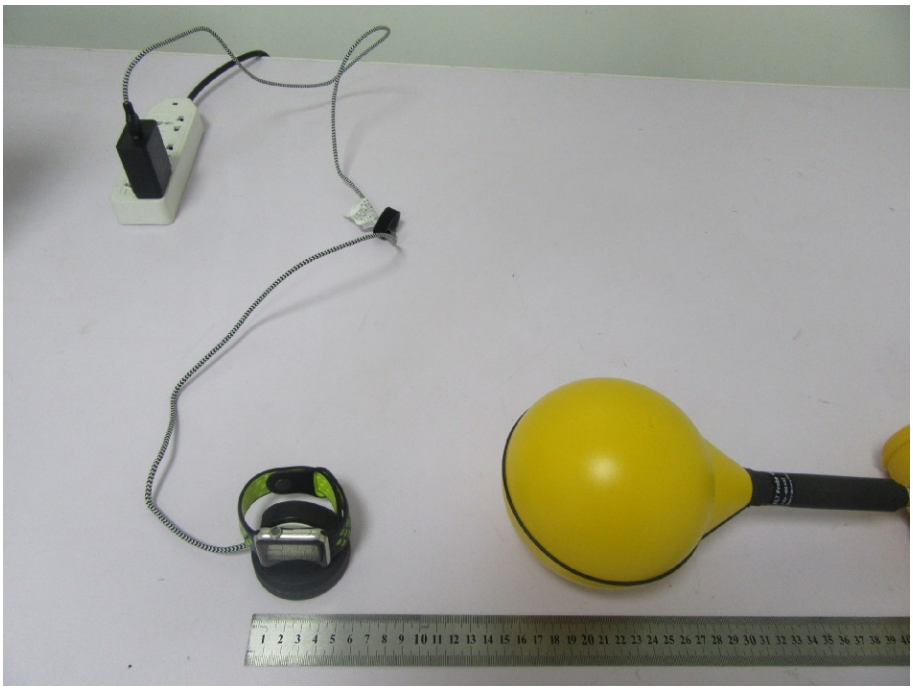
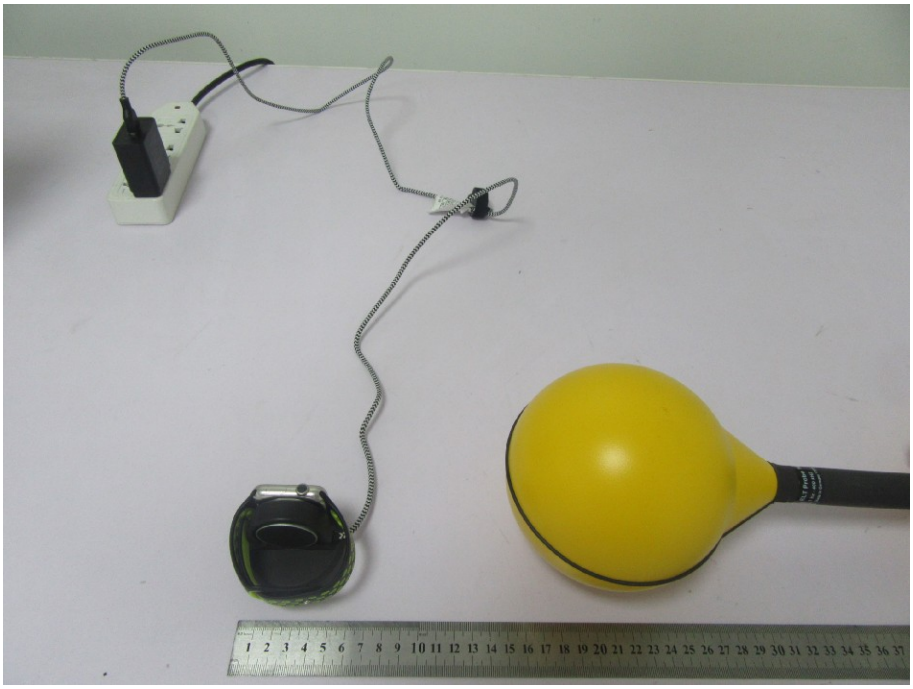
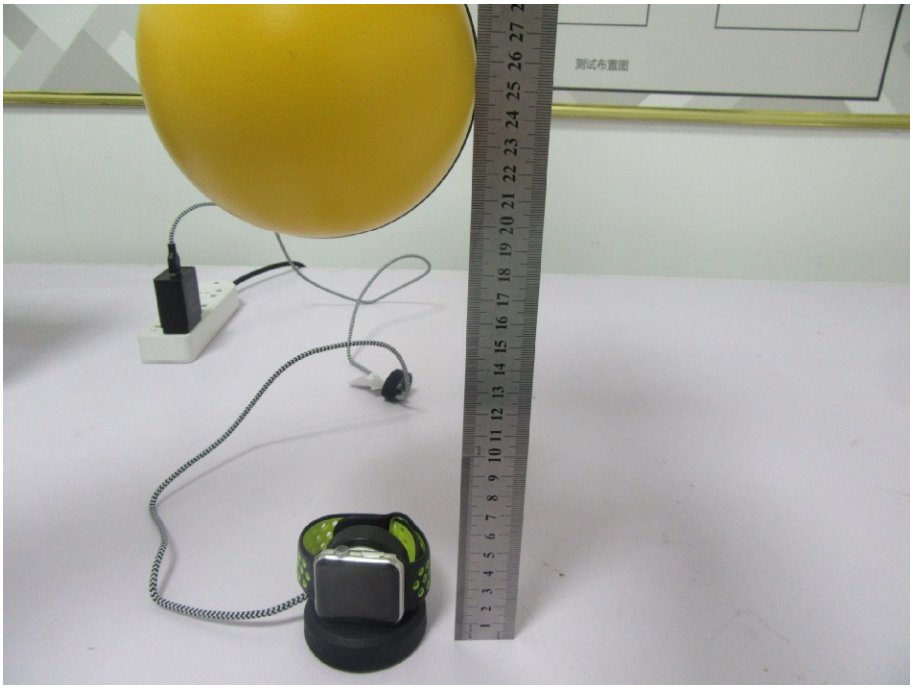
4.3. E and H field Strength

(The worst data.)

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	50% Limits Test (V/m)	Limits Test (V/m)
1%	0.110-0.205	0.62	0.58	0.54	0.71	0.55	0.72	307	614
50%	0.110-0.205	0.54	0.49	0.45	0.60	0.48	0.64	307	614
99%	0.110-0.205	0.49	0.47	0.42	0.53	0.46	0.56	307	614

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

Battery level	Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	50% Limits Test (A/m)	Limits Test (A/m)
1%	0.110-0.205	0.15	0.17	0.20	0.19	0.18	0.17	0.815	1.63
50%	0.110-0.205	0.13	0.16	0.16	0.18	0.14	0.15	0.815	1.63
99%	0.110-0.205	0.12	0.14	0.14	0.13	0.12	0.13	0.815	1.63

5. Photographs of test set-up