



倍测检测
BCTC TEST

Shenzhen BCTC Testing Co., Ltd.

Report No.: BCTC-LH181103077-1E



EN62311 TEST REPORT

Product : Wireless Cycle Computer

Trade Name : ISPORT

Model Name : C016A

Serial Model : C016, C015, C015A

Report No. : BCTC-LH181103077-1E

Prepared for

Million Concept Electronic (Shenzhen) Co., Ltd.

No.98 Xiashanmen Road, Songgang Town, Baoan District,
Shenzhen City, China

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TEST RESULT CERTIFICATION

Applicant's name: Million Concept Electronic (Shenzhen) Co., Ltd.
Address: No.98 Xiashanmen Road, Songgang Town, Baoan District, Shenzhen City, China

Manufacture's Name: Million Concept Electronic (Shenzhen) Co., Ltd.
Address: No.98 Xiashanmen Road, Songgang Town, Baoan District, Shenzhen City, China

Product description

Product name.....: Wireless Cycle Computer
Trademark: ISPORT
Model and/or type reference ...: C016A
Serial Model: C016, C015, C015A

Standards: EN 62311:2008

This device described above has been tested by BCTC, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU RED Directive Art.3.1(a) requirements. And it is applicable only to the tested sample identified in the report.

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Remark: All test data come from the report of No. BCTC-LH170501908-1E.

Date of Test:
Date (s) of performance of tests. : May, 12 – May, 17, 2017
Date of Issue: Nov. 16, 2018
Test Result: Pass

Prepared by(Engineer): Willem Wang

Willem Wang

Reviewer(Supervisor): Eric Yang

Eric Yang

Approved(Manager): Carson Zhang

Carson Zhang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen BCTC Testing Co., Ltd.



1 General Information

1.1 General Description of E.U.T.

Product Name:	Wireless Cycle Computer
Model No.:	C016A C016, C015, C015A
Operation Frequency:	125KHz
Receiver categories	3
Channel numbers:	2
Modulation Technology:	MSK
Antenna Assembly Gain:	N/A
Power supply:	DC 3V (From Battery)



1.2 Maximum Permissible Exposure

1, Applicable Standard

EN 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.

2, Limit

Reference levels for electric, magnetic and electromagnetic fields
(0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	$4\,000/f$	$5\,000/f$	—
0,025-0,8 kHz	$250/f$	$4/f$	$5/f$	—
0,8-3 kHz	$250/f$	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	$0,73/f$	$0,92/f$	—
1-10 MHz	$87/f^{1/2}$	$0,73/f$	$0,92/f$	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375 f^{1/2}$	$0,0037 f^{1/2}$	$0,0046 f^{1/2}$	$f/200$
2-300 GHz	61	0,16	0,20	10

Notes:

1. f as indicated in the frequency range column.



3, Test Method

$$E (V/m) = (30 * P * G)^{0.5} / d$$

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained.

4 Calculated Result and Limit

Max output power (dBm)	Max output Power (W)	Antenna gain (dBi)	Electric Field (V/m)	Limit of Electric Field(V/m)	Result
-60.15	0.0	0	0.00	87	Pass

END