



**CMA Testing
and Certification
Laboratories**

廠商會檢定中心

TEST REPORT

Report No. : AC017647 Date : 2002 October 21

Client : Kingtech Enterprises Ltd.
Unit 2016, 20/F., Block B, Regent Centre,
70 Ta Chuen Ping Street, Kwai Chung,
N. T., Hong Kong.

Sample Description : One(1) item of sample stated to be LCD Stopclock of Model No. 5500.
Rating : 1 x 1.5 V AA size battery
No. of submitted sample : Four(4) piece(s) ***

Date Received : 2002 September 23.
2002 October 07.

Test Period : 2002 September 23 – 2002 October 03.
2002 October 07 – 2002 October 15.

Test Requested : Electromagnetic Compatibility (EMC) test.

Test Method : According to EN50081-1, EN55022, EN50082-1, EN61000-4-2,
EN61000-4-3 and ENV50204.

Test Result : See attached sheet(s) from page 2 to 4.

Conclusion : The submitted sample was found to comply with the applicable EMC tests.

For and on behalf of
CMA Testing and Certification Laboratories

Authorized Signature : _____


Danny Chui

EMC Engineer - EL Division

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Test Result :

1. Emission Test (Generic Standard : EN50081-1 : 1992)

Radiated Emission Tests (EMI)

Applicable Standard :
EN55022 : 1998

Class : B

Test Frequency :
Radiated Emission Test : 30 MHz – 1000 MHz

Limit at 10m (Quasi-peak) :
30 MHz – 230 MHz : 30 dB (μV/m)
230 MHz – 1000 MHz : 37 dB (μV/m)

Result :
The Quasi-peak measurements were performed on the open area test site at 3 m test distance from the antenna to the test sample with the sample operating continuously. Distance factors had been used to normalized the measured data for determining compliance.

No emission was detected higher than the specified class B limit.

2. Immunity Test (Standard : EN50082-1 : 1997)

2a. Electrostatic Discharge Test

Applicable Standard :
EN61000-4-2 : 1995

Requirement :
Criterion B

Test Voltage :
Contact Discharge : ± 4 kV
Air Discharge : ± 8 kV



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Test Result :

2a. Electrostatic Discharge Test (Cont'd)

Result :

Application of ESD	Applied Voltage (kV)	No. of Discharge	Result
Indirect Horizontally	4	20	Pass (See Remark 1)
Indirect Vertically	4	20	Pass (See Remark 1)
Direct Air	8	20	Pass (See Remark 1)
Direct Contact	4	20	Pass (See Remark 1)

The submitted sample met the requirement of Electrostatic Discharge Test with criterion B.

Remark :

1 : Normal performance within the specification limits

2b. Radiated Immunity Test

Applicable Standard :
EN61000-4-3 : 1995

Requirement :
Criterion A

Test Conditions :
Frequency Range : 80 MHz – 1000 MHz
Modulation : 80 % AM
Severity Level : 3 V/m

Result :
Pass



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Test Result :

2c. Radiated Immunity Keyed Carrier

Applicable Standard :
ENV50204 : 1995

Requirement :
Criterion A

Test Conditions :
Frequency Range : 900 MHz \pm 5
Modulation : 50 % duty cycle; 200 Hz Rep. frequency
Severity Level : 3 V/m

Result :
Pass

***** End of Report *****



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CERTIFICATE OF COMPLIANCE

Certificate No. : CC02-0049

Applicant : *Kingtech Enterprises Ltd.*
Unit 2016, 20/F., Block B, Regent Centre,
70 Ta Chuen Ping Street, Kwai Chung,
N. T., Hong Kong.

Product Description : *LCD Stopclock*

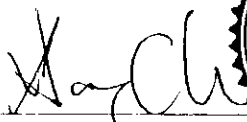
Model No. : *5500*

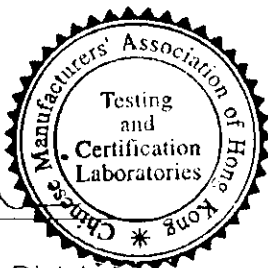
Test Period : *2002 September 23 – 2002 October 03*
2002 October 07 – 2002 October 15

Test Standards : *EN50081-1, EN55022, EN50082-1, EN61000-4-2,*
EN61000-4-3 and ENV50204.

This is to certify that, based on the test results stated on the Test Report No. AC017647 issued on 2002 October 21, the submitted sample(s) of the above mentioned appliance(s) is/are in compliance with the above test standards.

Signed for and on behalf of
CMA TESTING AND CERTIFICATION
LABORATORIES


Danny Chui
EMC Engineer – Electrical Division



Date: 2002 October 21

DECLARATION OF CONFORMITY

This is to declare that the following product

LCD Stopclock
Model No. 5500
Rating : 1 x 1.5 V AA size battery

is in compliance with the following standard(s) or specification(s) according to
EMC Directive 89/336/EEC

EN50081-1, EN55022, EN50082-1, EN61000-4-2, EN61000-4-3
and ENV50204

This declaration is provided by the manufacturer / importer

Kingtech Enterprises Ltd.
(Name)

Unit 2016, 20/F., Block B, Regent Centre,
70 Ta Chuen Ping Street, Kwai Chung, N. T., Hong Kong.
(Address)

MANUFACTURER / IMPORTER

Date : 12/12/12

Signature : [Signature]

Name : Kingtech Enterprises Ltd.