CMA Testing and Certification Laboratories
廠商會檢定中心

TEST REPORT

Report No.	:	AK011742-001 (R1)	Date :	2008 April 17
Application No.	:	LK208365(2)		
Applicant	:	Headway Precision Manufacturing Ltd. Unit 7, 7/F., Yan Hing Centre, No. 9-13 Wong Chuk Yeung Street, Fo Tan, N.T., Hong Kong		
Sample Description	:	One(1) submitted sample(s) stated to be Radio Controlled Clock Movement of Model No. 1T210A-WW01 Rating : 1 x 1.5V AA size battery No. of submitted sample : Two (2) piece(s) ***		
Date Received	:	2008 March 31		
Test Period	:	2008 April 01 – 2008 April 05		
Test Requested	:	FCC Part 15 Verification Procedure.		
Test Method	:	47 CFR Part 15 (10-1-07 Edition) ANSI C63.4 – 2003		
Test Result	:	See attached sheet(s) from page 2 to 8.		
Conclusion	:	The submitted sample was found to comply with requirement of FCC Part 15 Subpart B.		
Remark	:	This report supersedes the Test Report No. AK011742-001 issued on 2008 April 07.		

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature : _____

Danny Chui
Deputy Manager - EL. Division

CMA Industrial Development Foundation Limited
Room 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung St., Fo Tan, Shatin, Hong Kong.
Tel: (852) 2698 8198 Fax: (852) 2695 4177 E-mail: info@cmatcl.com Web Site: http://www.cmatcl.com

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Location of the test site

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003. A Semi-Anechoic Chamber Testing Site is set up for investigation and located at :

Ground Floor, Yan Hing Centre,
9 – 13 Wong Chuk Yeung Street,
Fo Tan, Shatin,
New Territories,
Hong Kong.

Conducted emissions measurements are investigated and also taken pursuant to the procedures of ANSI C63.4 – 2003. A shielded room is located at :

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9 – 13 Wong Chuk Yeung Street,
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New Territories,
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List of measuring equipment

Equipment	Manufacturer	Model No.	Serial No.
EMI Test Receiver	R&S	ESCI	100152
Broadband Antenna	Schaffner	CBL6112B	2718

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Description of the radiated emission test

Test Procedure:

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.

Test Result:

All measurement data was indicated in next page and it was found that the EUT meet the FCC requirement.

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Measurement Data

Radiated emission

pursuant to

the requirement of FCC Part 15

Frequency (MHz)	Polarity (H/V)	Reading at 3m (dBµV/m)	Antenna and Cable factor (dB)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
31.257	V	13.2	18.5	31.7	40.0	-8.3
33.776	H	12.0	18.5	30.5	40.0	-9.5
35.493	H	13.6	15.7	29.3	40.0	-10.7
40.544	H	16.1	13.0	29.1	40.0	-10.9
44.343	H	15.8	13.0	28.8	40.0	-11.2
49.847	H	16.4	10.6	27.0	40.0	-13.0
52.645	H	18.1	8.4	26.5	40.0	-13.5

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Appendix I

Photographs of the test setup

for

the highest emission

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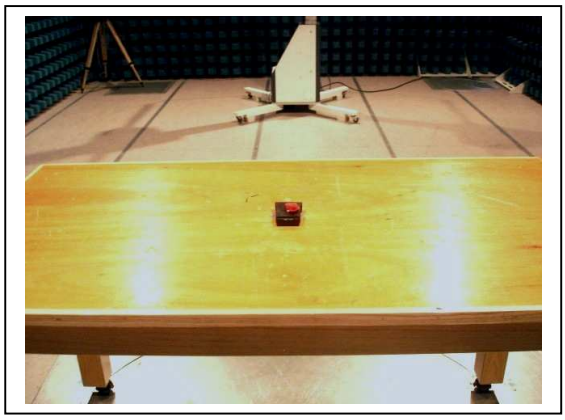
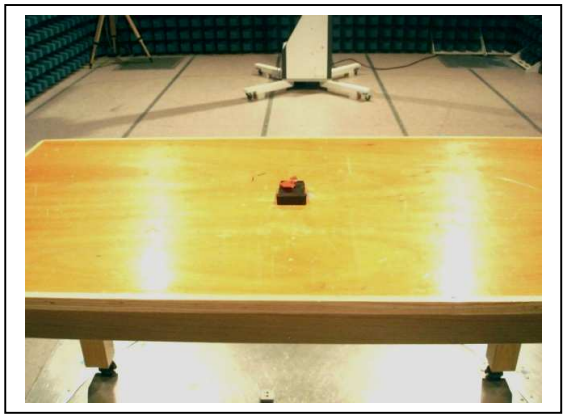
Photos of the set-up of Radiated Emissions



(front view)



(rear view)

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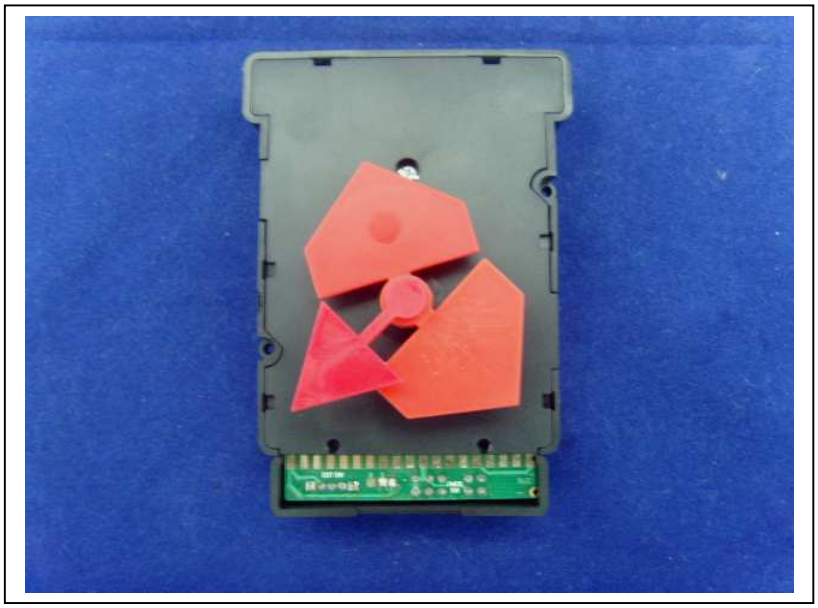
Outlook of the Sample



(front view)

(rear view)

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

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