

HomeTek Technology (Chang-An) Inc.

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FCC TEST REPORT FOR

APPLICANT : Ever Win International Corporation

ADDRESS : 17579 Railroad Street, City of Industry,
CA91748,USA

EUT : 2003 Falcon CLA

MODEL NO. : 2003-136

FCC ID : MS32003136

Under Part 15, SUBPART B.

CLASS B

Certification

MEASUREMENT PROCEDURE USED

FCC RULES AND CISPR 22 (DOCKET NO. 92-152, SEP. 1993) AND FCC / ANSI C63.4-2003

PREPARED BY :

HomeTek Technology (Chang-An) Inc.

South of Shatou Industry District, Chang-An Town,
DongGuan City, GuangDong, China

Report # : FBRP5036



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CERTIFICATION

EUT : 2003 Falcon CLA
MODEL NO. : 2003-136
FCC ID : MS32003136
Receipt Date : 03/29/2005 Final Test Date: 04/15/2005
REPORT # : FBRP5036
APPLICANT : Ever Win International Corporation
ADDRESS : 17579 Railroad Street, City of Industry,
CA91748, USA

MEASUREMENT PROCEDURE USED :

FCC RULES AND CISPR 22 (DOCKET NO. 92-152, SEP. 1993)
AND FCC / ANSI C63.4-2003

We hereby show that:

The measurement shown in this test report were made in accordance with and no deviation with the procedures indicated, and the maximum energy emitted by the equipment was found to be within the FCC limits applicable.

This test result of this report applies to above tested sample only.

This test report shall not be reproduced in part without written approval of HomeTek Technology Inc.

PREPARED BY : CATHY HE DATE : 04/15/2005
Assistant

CHECK BY : GEORGE ZHOU DATE : 04/15/2005
Director

APPROVED BY : GRANT HUANG / Manager DATE : 04/15/2005





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GENERAL INFORMATION

- 1 APPLICANT : Ever Win International Corporation
- 2 ADDRESS : 17579 Railroad Street, City of Industry,
CA91748,USA
- 3 MANUFACTURER : CM Precision Technology LTD
- 4 ADDRESS : West of Zhenan Hi-Tech Industrial Park,
Zhenan Rd., Changan town,Dongguan city,
Guangdong Province,China
- 5 DESCRIPTION OF EUT :
 - EUT : 2003 Falcon CLA
 - FCC ID : MS32003136
 - Model Number : 2003-136
 - Serial # : N/A

6 FEATURES OF EUT :

Model	Input Voltage	Output Voltage	Output Current
2003-136	DC13.8V	DC5V	DC600mA

The PCB Layout is similar.

And the final test data are shown in this test report.

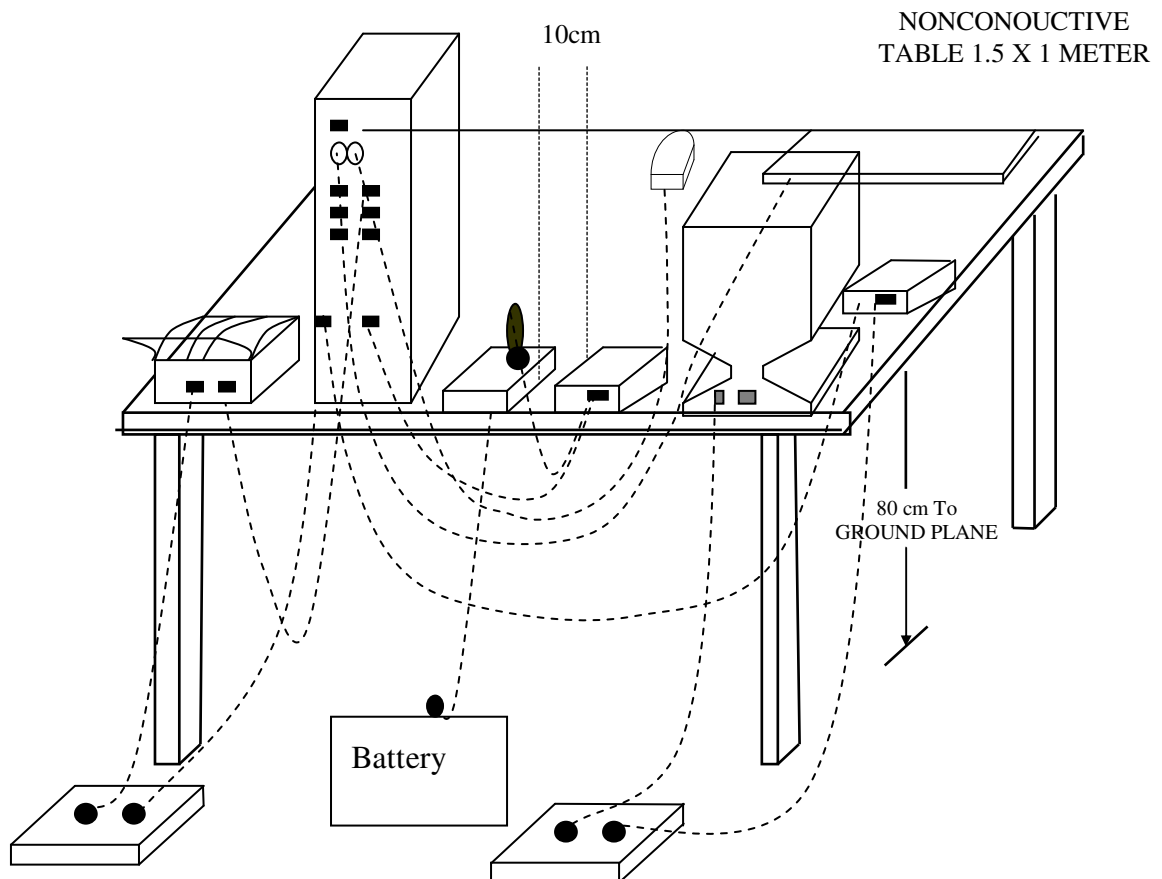
MODIFICATION LIST

THE FOLLOWING ACCESSORIES WERE ADDED TO THE EUT DURING TESTING :

NO MODIFICATION BY HOMETEK TECHNOLOGY(Chang-An) INC.

CONDUCTED POWER LINE TEST

Conducted power line test is not applicable to this EUT, as EUT is DC power input only.



RADIATED EMISSION TEST

1 TEST INSTRUMENTS & FACILITIES

The following test Instruments was used during the radiated emission test :

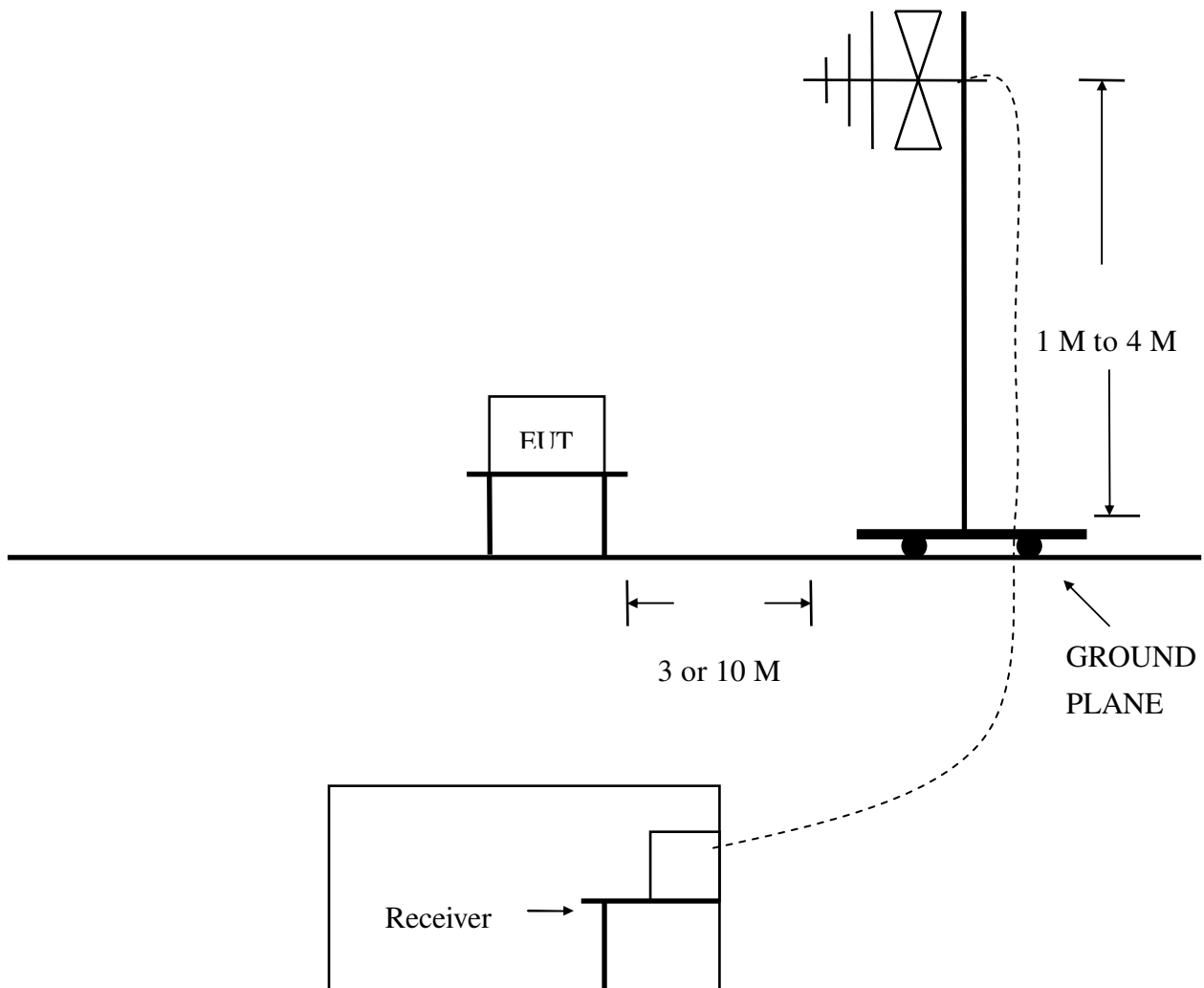
Item	Instruments /facilities	Specification	Manufacturer	Model # / S/N#	Date of Cal.
1	OPEN AREA TEST SITE	☑ OATS 1			SEP/2004
2	EMI TEST RECEIVER	20Hz ~ 26.5GHz	ROHDE & SCHWARZ	845636/007	JUL/2004
3	PRE-AMPLIFIER	9KHz ~ 1300MHz	HEWLETT PACKARD	8447D 1937A02095	AUG/2004
4	BICONICAL/LOG BROADBAND ANTENNA	25MHz ~ 2GHz	ANTENNA RESEACH	LPB2520/A 1095	AUG/2004
5	Attenuation	50Ω/6dB	JYE BAO	FAT-N (M-F) 001	JUL/2004
6	Cable	10m	SUHNER	RG214/U OS3-003	DEC/2004
7	Cable	14m	BELDEN	9913 OS3-001	DEC/2004
8	EMI 32 (software)	N/A	AUDIX	19991013-0923	N/A

Note : Items 1 ~ 7 were calibrated within period of 1 year.

2 TEST PROCEDURE

- 2.1 The EUT was test according to **ANSI C63.4 - 2003 & CISPR 22 & C18-01-11** (HomeTek Test Procedure).
- 2.2 The radiated test was performed at HomeTek(Chang-An) Lab's Open Site I.
- 2.3 The frequency range from 30 MHz to 1 GHz, the measurement were made at 10 meters, with a BI-log antenna.

3 TEST SETUP



(Details for setup configuration, please refer to appendix A.)

4 CONFIGURATION OF THE EUT

The EUT was configured according to **ANSI C63.4 - 2003 & CISPR 22**. All I/O ports were connected to the appropriate peripherals. All peripherals and cables are listed below (including internal device) :

4.1 EUT

EUT Type	: ☐ Proto Type ☒ Engineer Type ☐ Mass Production
Condition when received	: ☒ Good ☐ Damage :
Device	: 2003 Falcon CLA
Applicant	: Ever Win International Corporation
Manufacturer	: CM Precision Technology LTD
Model Number	: 2003-136
Serial Number	: N/A
FCC ID	: MS32003136
Power Cord(Output)	: Un-Shielded, 0.6m
Power Supply Type	: Switching

4.2 PERIPHERALS

☒ Host Personal Computer

Manufacturer	: DELL
Model Number	: DMC
Power Cord	: Un-Shielded ,3pin,1.5m
Power Supply Type	: Switching
Serial Number	: HMM5L 1X
FCC ID	: FCC DoC

☒ Monitor

Manufacturer : DELL
Model Number : E773c
Power Cord : Un-Shielded ,3pin,1.5m
Power Supply Type : Switching
Serial Number : N/A
FCC ID : FCC DoC

☒ KeyBoard

Manufacturer : DELL
Model Number : SK-8110
Serial Number : N/A
FCC ID : FCC DoC
Data Cable : Shielded,1.5 m,Connected to the PSII port
Power Cord : N/A

☒ Mouse

Manufacturer : DELL
Model Number : M071KC
Serial Number : 444017448
FCC ID : FCC DoC
Data Cable : Shielded,1.5 m,Connected to the PSII port
Power Cord : N/A

☒ Printer

Manufacturer : EPSON

Model Number : STYLUS C20SX

Serial Number : DLRE134382

FCC ID : FCC DoC

Data Cable : Shielded, 1.5 m, Connected to the Printer port

Power Cord & Adaptor : Un-Shielded, 1.8 m

☒ Modem

Manufacturer : ACEEX

Model Number : 1414

Serial Number : N/A

FCC ID : IFAXDM1414

Data Cable : Shielded, 1.5 m, Connected to the COM port

Power Cord & Adaptor : Un-Shielded, 1.8 m

☒ USB Portable Hard Disk

Manufacturer : Blueghost

Model Number : TS-100

Serial Number : N/A

FCC ID : FCC DoC

Data Cable : Shielded, 0.8 m, Connected to the USB port

Power Cord : Shielded, 0.3 m, Connected to the USB port

5 EUT OPERATING CONDITION

- 5.1 The frequency of the EUT is 100KHz $\pm$ 10KHz.
- 5.2 Configure the EUT according to the **ANSI C63.4 - 2003 & CISPR 22**.
- 5.3 The radiated emission in the frequency range from 30 MHz - 1000 MHz was test in a horizontal and vertical polarization at HomeTek(Chang-An) Lab's open site I.
- 5.4 The photos of radiated test configuration, please refer to appendix A.**

6 LIMIT OF RADIATED EMISSION CLASS B

CISPR 22

Frequency (MHz)	Measurement Distance	Limit (dBuV/m)
30 - 230	10 (M)	30
230 - 1000	10 (M)	37

- 6.1 The tighter limit shall apply at the edge between two frequency bands.
- 6.1 Measurement distance in meters between the measuring instrument antenna and the closed point of any part of the EUT or peripherals.

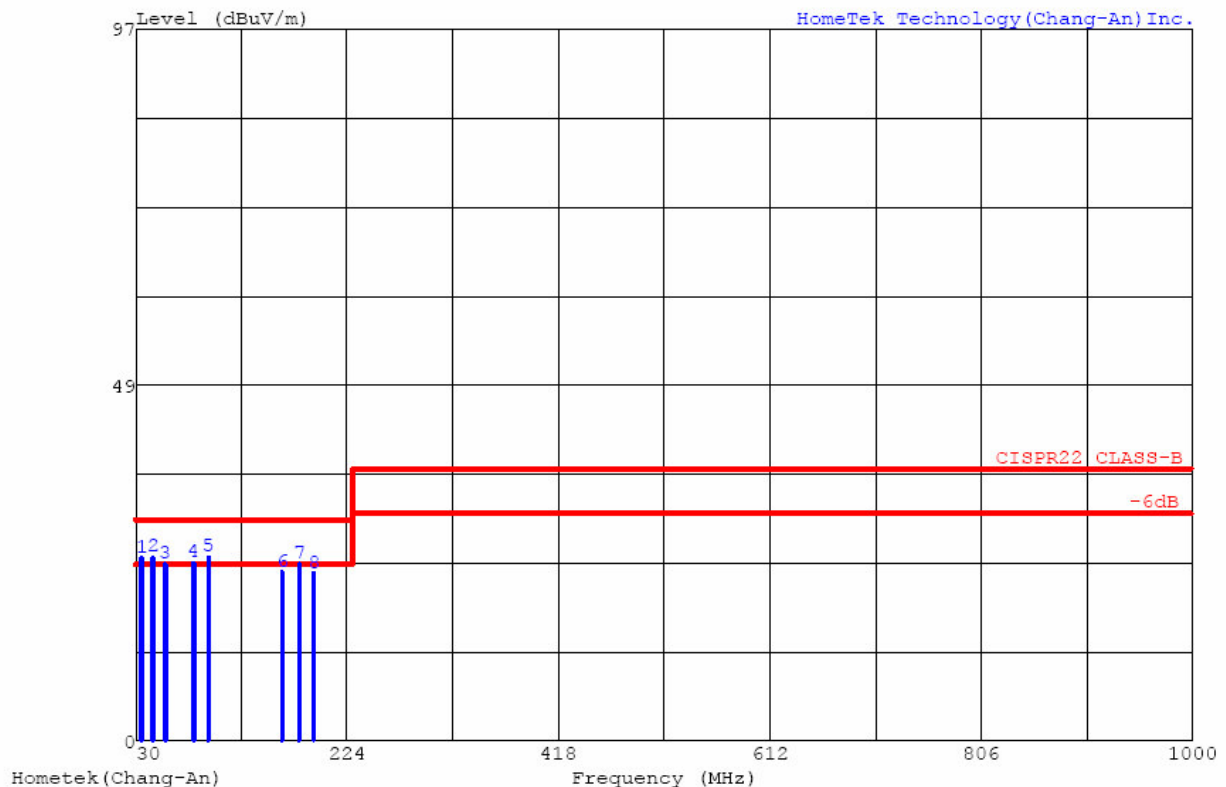
7 RESULT OF RADIATED EMISSION TEST

- 7.1 The frequency range from 30 MHz to 1 GHz was investigated.
- 7.2 All readings below or equal 1 GHz are quasi-peak or peak values with resolution bandwidth of 120 KHz.
- 7.3 All readings above 1 GHz are average or peak values with resolution bandwidth of 1 MHz
- 7.4 The measurements were made at 10 meters of HomeTek(Chang-An) Lab's open site I.
- 7.5 Temperature : 13 °C, Humidity : 55 % RH.
- 7.6 Deviation form the test standards and rules : None
- 7.7 The radiation emission result were gained by the following method :
Level = Reading Level + Probe Factor (Antenna Factor) + Cable Loss – Preamp Factor
Over Limit = Level – Limit Line
- 7.8 The radiated mission test was passed at minimum margin :
Vertical 47.650 MHz/ 27.02 dBuV/m, Antenna Height 1.6 Meter,
Turn Table 125 degree, The Model : 2003-136 .
- 7.9 Result : **PASSED**

8 RADIATED EMISSION TEST DATA (PAGE 1)

Data#: 13 File#: RP5036.EMI

Date: 4-09,2005 Time: 13:04:29



Hometek(Chang-An)

Frequency (MHz)

Ref Trace:

Trace :
Limit : CISPR22 CLASS-B 10m
Probe : LPB-250/A-031028 HORIZONTAL
Margin: -6.0dB
EUT : 2003-136
Power : DC 13.8V
Memo :
:
:

Page: 1

	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	
	MHz	dB	Limit	Line	Level	Factor	Loss	Factor	Remark
			dB	dB	dB	dB	dB	dB	
1 !	37.000	24.82	-5.18	30.00	32.97	17.51	2.24	27.90	Peak
2 !	47.430	24.98	-5.02	30.00	35.21	15.56	2.11	27.90	QP
3	58.100	23.98	-6.02	30.00	37.96	12.35	1.56	27.89	Peak
4 !	84.290	24.13	-5.87	30.00	38.86	10.31	2.80	27.83	Peak
5 !	97.870	24.90	-5.10	30.00	38.32	11.64	2.75	27.81	QP
6	165.770	22.92	-7.08	30.00	36.58	10.14	3.67	27.48	Peak
7	181.290	23.98	-6.02	30.00	37.34	11.19	2.86	27.40	Peak
8	194.870	22.80	-7.20	30.00	34.63	12.00	3.50	27.33	Peak

9 RADIATED EMISSION TEST DATA (PAGE 2)



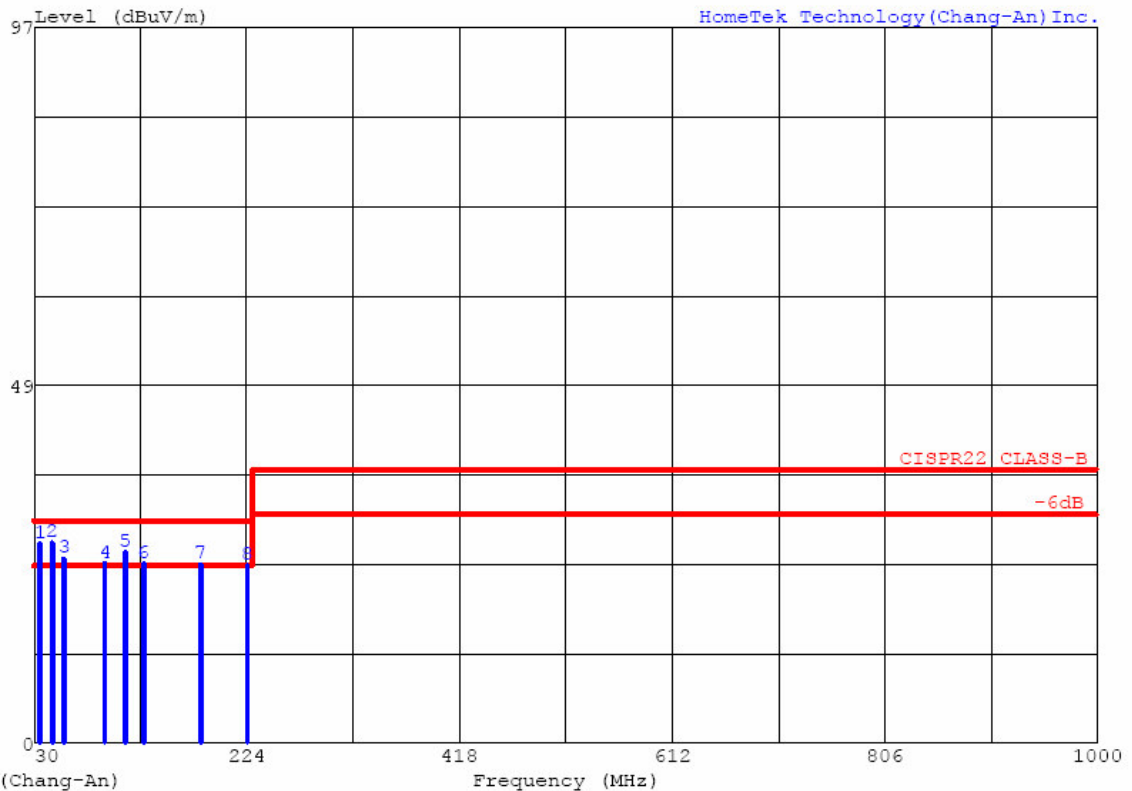
HomeTek Technology(Chang-An) Inc.

HomeTek Technology(Chang-An) Inc.

Tel:02-22608375 Fax:02-22748013

Data#: 14 File#: RP5036.EMI

Date: 4-09,2005 Time: 13:55:08



Hometek(Chang-An)

Trace :

Limit : CISPR22 CLASS-B 10m

Probe : LPB-250/A-031028 VERTICAL

Margin: -6.0dB

EUT : 2003-136

Power : DC 13.8V

Memo :

:

:

Ref Trace:

Page: 1								
	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp
	MHz	dB	Limit	Line	Level	Factor	Loss	Factor
			dB	dB	dB	dB	dB	dB
1 !	36.980	26.92	-3.08	30.00	35.07	17.51	2.24	27.90
2 !	47.650	27.02	-2.98	30.00	37.37	15.20	2.35	27.90
3 !	59.070	24.89	-5.11	30.00	38.79	12.35	1.64	27.88
4 !	96.120	24.31	-5.69	30.00	37.71	11.60	2.81	27.81
5 !	114.360	25.89	-4.11	30.00	38.66	11.83	3.14	27.74
6 !	130.850	24.32	-5.68	30.00	35.77	12.14	4.06	27.65
7 !	183.230	24.12	-5.88	30.00	37.38	11.17	2.96	27.39
8 !	225.910	24.00	-6.00	30.00	33.33	13.40	4.52	27.25

PHOTO OF FCC ID LABEL**SAMPLE OF FCC ID LABEL :**

FCC ID : #####

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1)
This device may not cause harmful interference. And (2)
this device must accept any interference that may cause
undesired operation.

Please refer to appendix B photo of ID location.



HomeTek Technology(Chang-An) Inc.

Appendix A

PHOTOS OF TEST CONFIGURATION



HomeTek Technology(Chang-An) Inc.

Appendix B

PHOTOS OF EUT