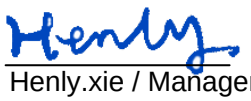
# Test Report

| | |
|---|---|
| **Applicant**: | EU3C Company Limited |
| **Address of Applicant:** | Unit 8, 17/F Tower 1, China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong, China. |
| **Equipment Under Test (EUT):** | |
| EUT Name: | FilmScan35 II 35mm film scanner |
| Model No.: | SCND502H1231 |
| Serial No.: | Not supplied by client |
| **Standards**: | FCC PART15 SUBPART B: 2007 |
| **Date of Receipt**: | Sep. 26, 2008 |
| **Date of Test**: | Sep. 26, 2008-Sep. 28, 2008 |
| **Date of Issue**: | Oct. 10, 2008 |
| **Test Result :** | **PASS*** |

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Henly.xie / Manager

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

All test results in this report can be traceable to National or International Standards.

The test report prepare by:

Guangzhou Huesent Testing Service Co.,Ltd.

No.91, Dongguanzhuang Road,Guangzhou,China.

Tel: 86-20-28263298 Fax: 86-20-28263237 http://www.hst.org.cn E-mail:hst@hst.org.cn

## 2. Test Summary

| Test | Test Requirement | Test Method | Class / Severity | Result |
|---|---|---|---|---|
| Radiated Emission (30MHz to 1GHz) | FCC PART 15, SUBPART B: 2007 | ANSI C63.4:2003 | Class B | PASS |
| Conducted Emission (150KHz to 30MHz) | FCC PART 15, SUBPART B: 2007 | ANSI C63.4:2003 | Class B | PASS |

# 3. Contents

# 4. General Information

## 4.1 Client Information

| | |
|---|---|
| Applicant: | EU3C Company Limited |
| Address of Applicant: | Unit 8, 17/F Tower 1, China Hong Kong City, 33 Canton Road, Tsimshatsui, Kowloon, Hong Kong, China |

## 4.2 General Description of E.U.T.

| | |
|---|---|
| EUT Name: | FilmScan35 II 35mm film scanner |
| Trade Name: | None |
| Item No.: | See the model number shown on cover page. |
| Serial No.: | Not supplied by client |

## 4.3 Details of E.U.T.

| | |
|---|---|
| Power Supply: | AC/DC adapter, model: JT-A501000; input: 100-240VAC, 50/60Hz, 250mA; output: 5.0VDC/1000mA. |
| Power Cord: | 1.15m USB cable with a core. |

## 4.4 Description of Support Units

The EUT has been tested with a Fangzheng's PC host ( model: Wenxiang E630 ) and Philips's CRT monitor ( model: 109P40 ).

## 4.5 Standards Applicable for Testing

The standard used was FCC PART 15, SUBPART B, CLASS B 2007

## 4.6 Test Location

Huesent Testing Service Ltd.

No. 91, Dongguanzhuang Road, Guangzhou City, Guangdong Province, P.R. China

Tel: 86-20-28263298 Fax: 86-20-28263237

All tests were subcontract to the laboratory following:

CEPREI (headquarters) laboratory.

No.110, Dongguanzhuang Road, Tianhe District, Guangzhou city, Guangdong Province, P.R. China

Tel: 86-20-87237178 Fax: 86-20-87236171 Email: emc@ceprei.biz

FCC- Registration No: 258518 on Mar 25, 2005

## 4.8 Deviation from Standards

None.

## 4.9 Abnormalities from Standard Conditions

None.

# 5. Equipments Used during Test

| No. | Test item. | Name of Equipment's | Model/Type | Last Calibrated Date |
|---|---|---|---|---|
| 1 | CE | EMI receiver | R&S ESCS 30 | 2008-6-8 |
| 2 | CE | LISN | R&S ESH2-Z5 | 2008-6-8 |
| 3 | CE | Shielded room | Lindgren 8*5*3 | 2008-6-8 |
| 4 | RE | EMI RECEIVER | R&S ESU | 2008-6-8 |
| 5 | RE | Anechoic chamber | Lindgren FACT-4 | 2008-6-8 |
| 6 | RE | Antenna | ETS-Lindgren 3142B | 2008-6-8 |
| | | | | |
| Note:<br>/ | | | | |

# 6. Test Results

## 6.1 Conducted Emissions Mains Terminals, 150 kHz to 30MHz

| | |
|---|---|
| Test Requirement: | FCC Part 15 B |
| Test Method: | ANSI C63.4 |
| Class / Severity: | Class B |
| Detector: | Peak for pre-scan (9kHz Resolution Bandwidth) |
| | Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit |
| Test Date: | Sep. 27, 2008 |

### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0°C Humidity:55% RH Atmospheric Pressure: 1020mBar

EUT Operation:

1. Connect the EUT via an USB cable to an AC/DC adapter or PC host in 120VAC/60Hz.

2. Pre-test the EUT work normally in three modes: previewing/ scanning/ transmit data, then select the worst case: scanning mode to measure during the whole test.

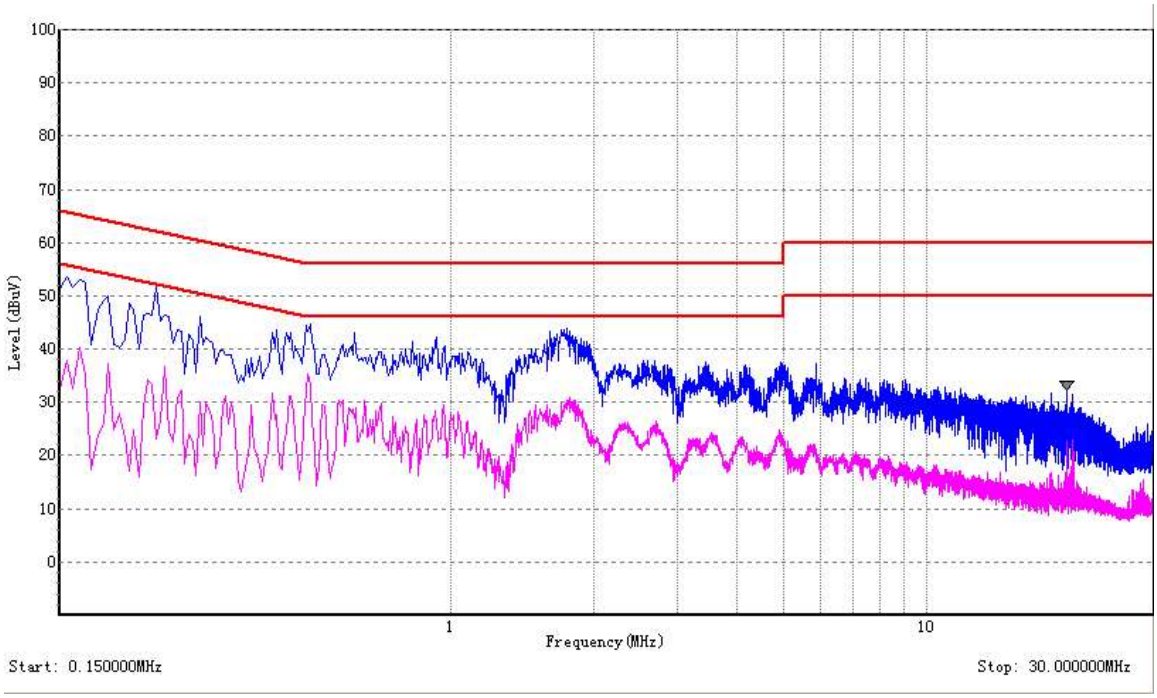
### 6.1.2 Plan View of Test Setup

### 6.1.3 Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized emission were detected when Peak measurement level is over Average Limit.

**Live Line**

**Peak Scan**

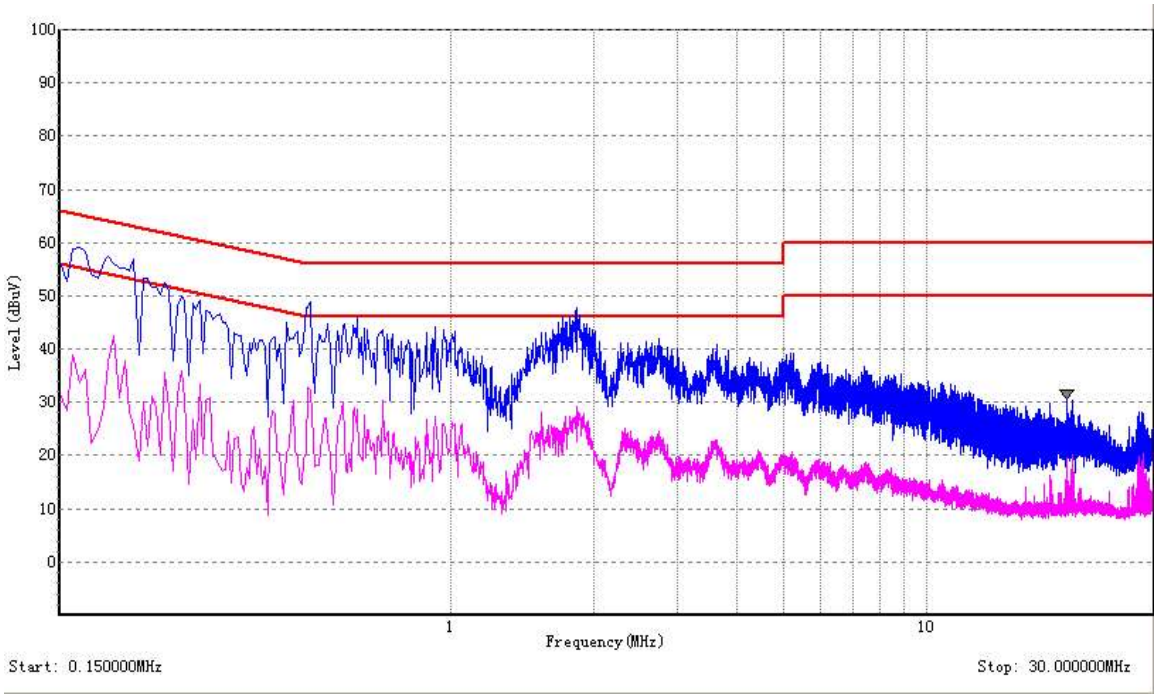



**Quasi-peak and Average measurement**

| Freq. (MHz) | Line | QP (dBµV) | Transducer （dB） | QP limit (dBµV) | Margin (dB) | AV (dBµV) | Transducer （dB） | AV limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 0.165 | Live | 52.9 | 11.83 | 65.2 | -12.3 | 40.3 | 11.83 | 55.2 | -14.9 |
| 0.240 | Live | 51.7 | 11.08 | 62.2 | -10.5 | 23.1 | 11.08 | 52.2 | -29.1 |
| 0.505 | Live | 44.8 | 10.19 | 56 | -11.2 | 33.4 | 10.19 | 46 | -12.6 |
| 1.745 | Live | 43.9 | 10.27 | 56 | -12.1 | 30.5 | 10.27 | 46 | -15.5 |
| 5.860 | Live | 37.3 | 10.89 | 60 | -22.7 | 18.6 | 10.89 | 50 | -31.4 |
| 19.71 | Live | 33.3 | 11.69 | 60 | -26.7 | 22.7 | 11.69 | 50 | -27.3 |

**Neutral Line**

**Peak Scan**




**Quasi-peak and Average measurement**

| Freq. (MHz) | Line | QP (dBµV) | Transducer （dB） | QP limit (dBµV) | Margin (dB) | AV (dBµV) | Transducer （dB） | AV limit (dBµV) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| 0.165 | Neutral | 59.0 | 11.83 | 65.2 | -6.2 | 33.7 | 11.83 | 55.2 | -21.5 |
| 0.215 | Neutral | 56.8 | 11.28 | 63.0 | -6.2 | 25.7 | 11.28 | 53.0 | -27.3 |
| 0.505 | Neutral | 49.0 | 10.19 | 56 | -7.0 | 32.4 | 10.19 | 46 | -13.6 |
| 1.840 | Neutral | 47.7 | 10.30 | 56 | -8.3 | 29.1 | 10.30 | 46 | -16.9 |
| 5.235 | Neutral | 39.2 | 10.83 | 60 | -20.8 | 18.8 | 10.83 | 50 | -31.2 |
| 19.71 | Neutral | 31.5 | 11.69 | 60 | -28.5 | 19.5 | 11.69 | 50 | -30.5 |

## 6.2 Radiated Emissions, 30MHz to 1GHz

| | |
|---|---|
| Test Requirement: | FCC Part15 B |
| Test Method: | ANSI C63.4 |
| Class: | Class B |
| Detector: | Peak for pre-scan (120kHz resolution bandwidth) |
| | Quasi-Peak if maximised peak within 6dB of limit |
| Test Date: | Sep. 27, 2008 |

### 6.2.1 E.U.T. Operation

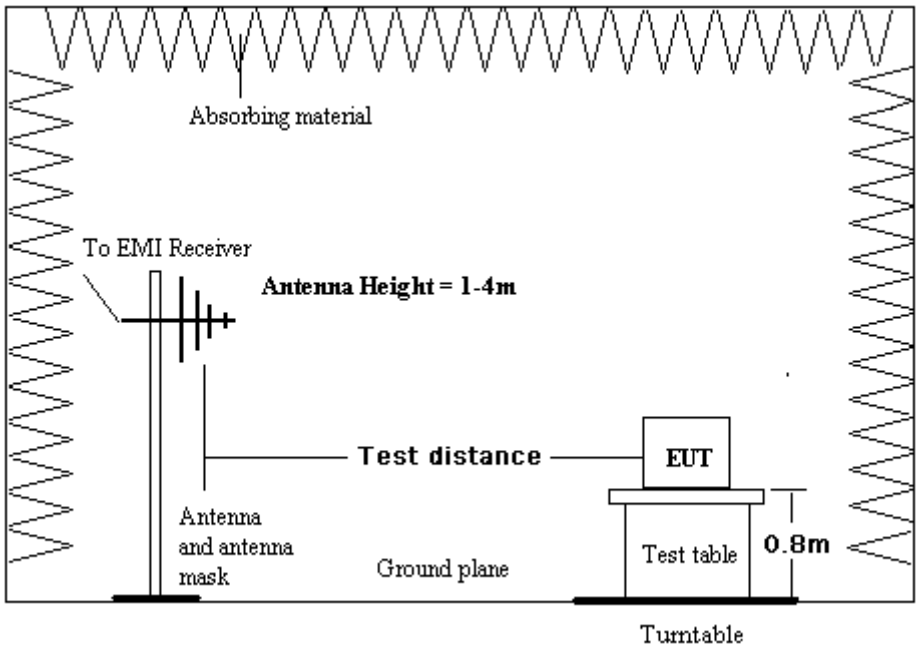
Operating Environment:

Temperature: 25°C Humidity:55% RH Atmospheric Pressure: 1020mBar

EUT Operation:

1. Connect the EUT via an USB cable to an AC/DC adapter or PC host in 120VAC/60Hz.
2. Pre-test the EUT work normally in three modes: previewing/ scanning/ transmit data, then select the worst case: scanning mode to measure during the whole test.

### 6.2.2 Test Setup




### 6.2.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by Bilog antenna with 2 orthogonal polarities

**Horizontal:**

**Quasi-peak measurement**

| Frequency | Level | Transducer | Limit | Margin |
|---|---|---|---|---|
| MHz | dBuV/m | dB | dBuV/m | dB |
| 30-88 | <30 | / | 40 | / |
| 88-200 | <35 | / | 43.5 | / |
| 216.00 | 40.9 | 12.8 | 43.5 | -2.6 |
| 324.00 | 42.8 | 16.1 | 46 | -3.2 |
| 648.00 | 44.5 | 24 | 46 | -1.5 |
| 960-1000 | <35 | / | 54 | / |

Note:

The transducer factor includes antenna factor and cable loss.

**Vertical:**

**Quasi-peak measurement**

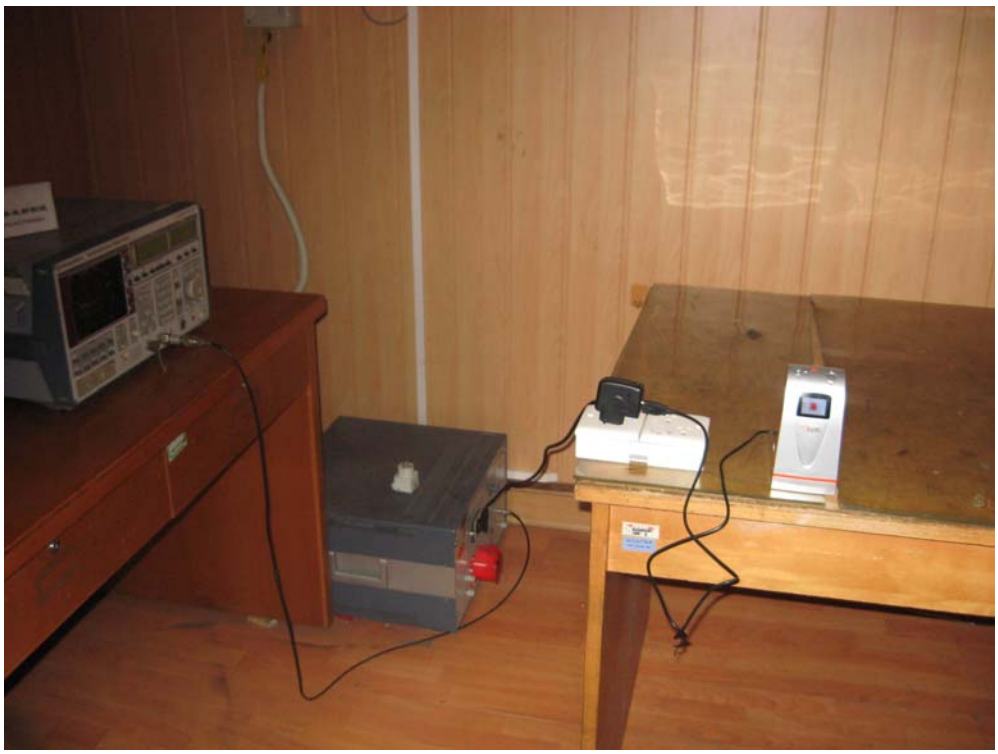
| Frequency | Level | Transducer | Limit | Margin |
|---|---|---|---|---|
| MHz | dBuV/m | dB | dBuV/m | dB |
| 30-88 | <30 | / | 40 | / |
| 88-200 | <35 | / | 43.5 | / |
| 216.00 | 40.2 | 12.8 | 43.5 | -3.3 |
| 324.00 | 44.2 | 16.1 | 46 | -1.8 |
| 432.05 | 43.5 | 19.1 | 46 | -2.5 |
| 540.05 | 43.1 | 21.9 | 46 | -2.9 |
| 648.05 | 44.5 | 24 | 46 | -1.5 |
| 756.05 | 42.9 | 25.4 | 46 | -3.1 |
| 960-1000 | <35 | / | 54 | / |

Note:

The transducer factor includes antenna factor and cable loss.

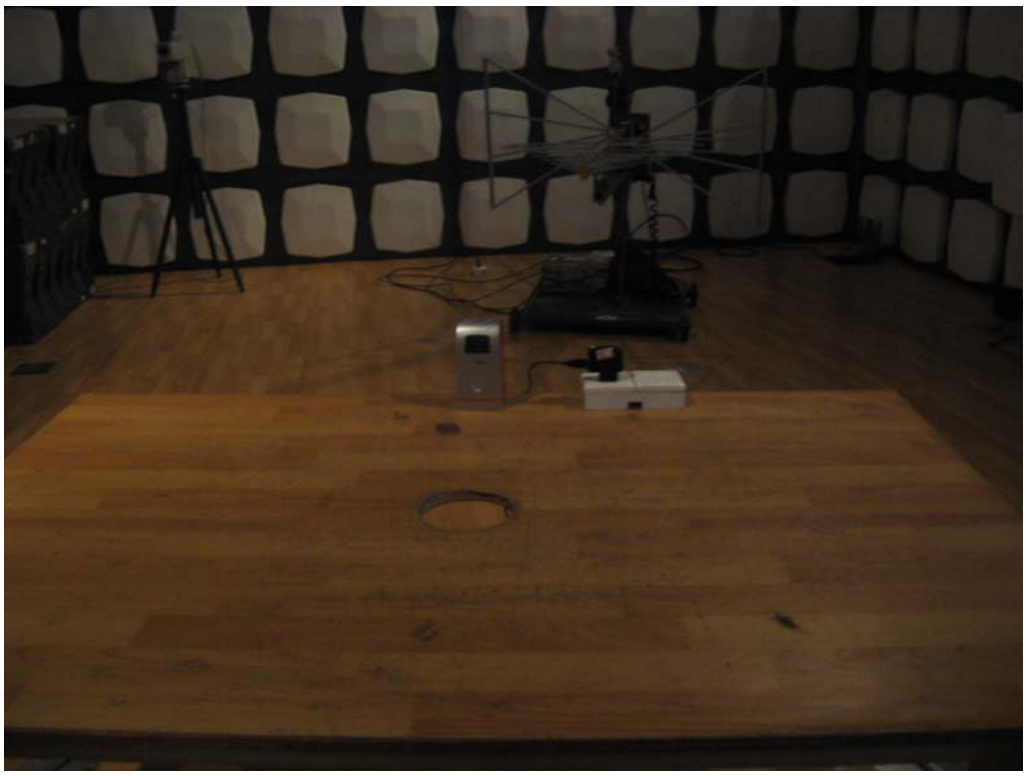
# 7. Photographs

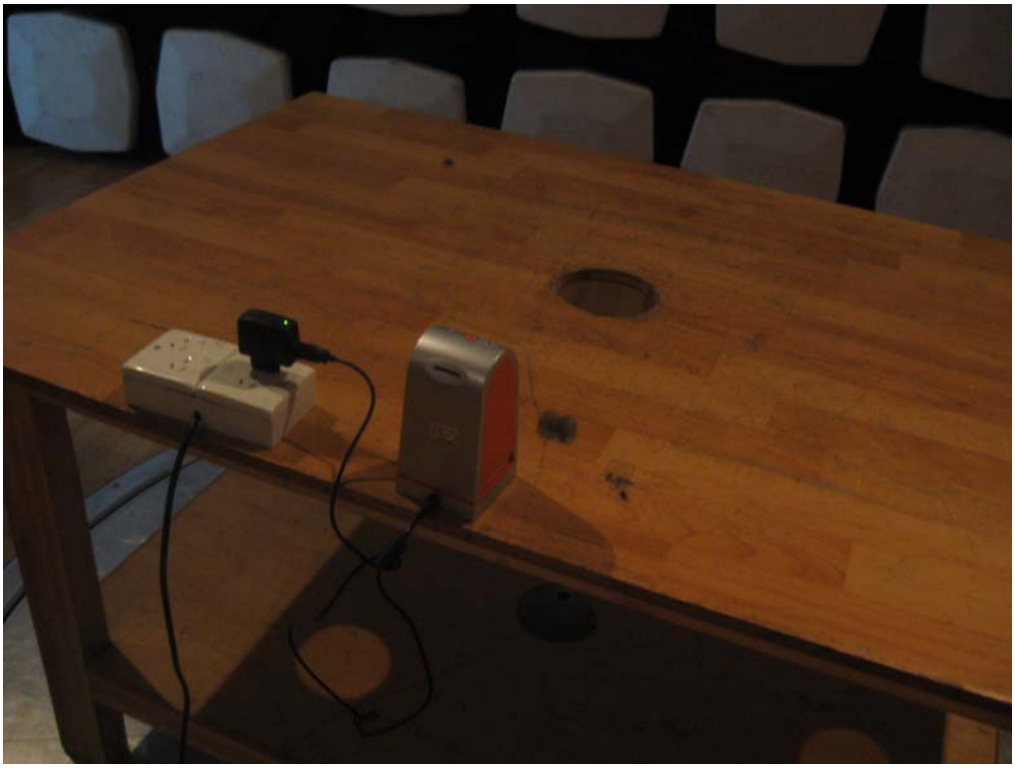
## 7.1 Conducted Emission Test Setup

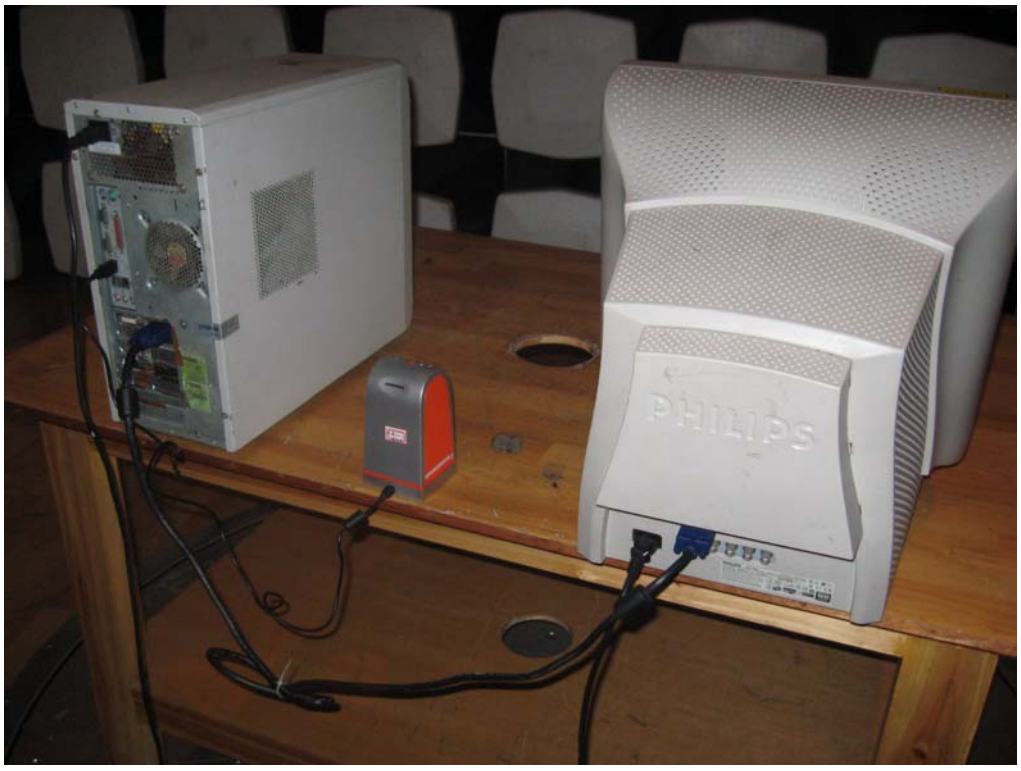



PHILIPS

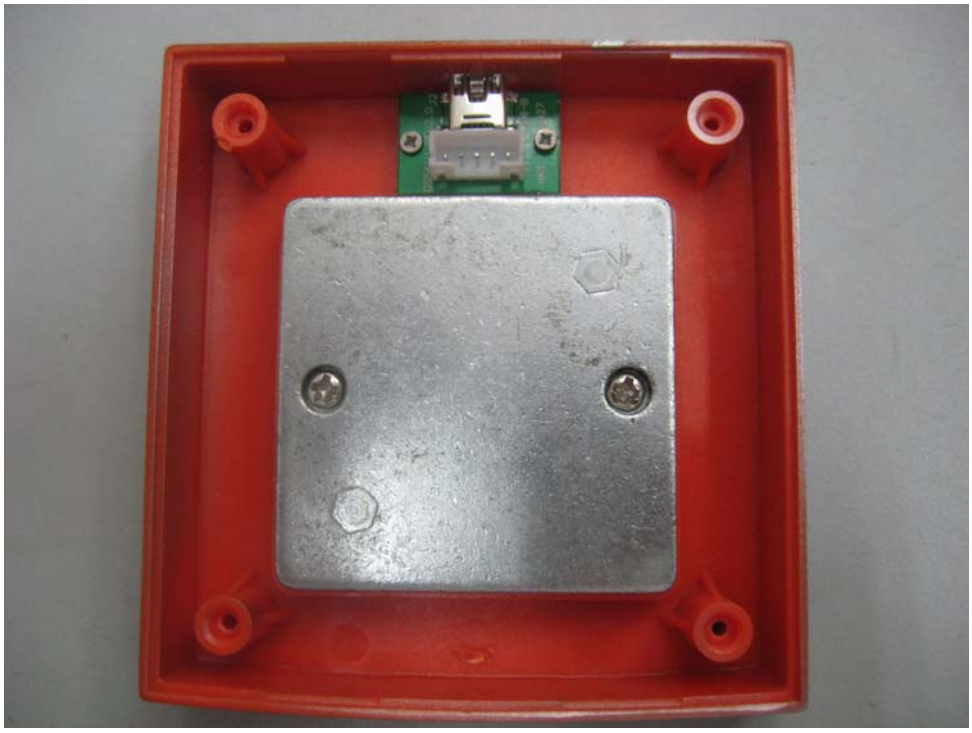
## 7.2 Radiated Emission Test Setup

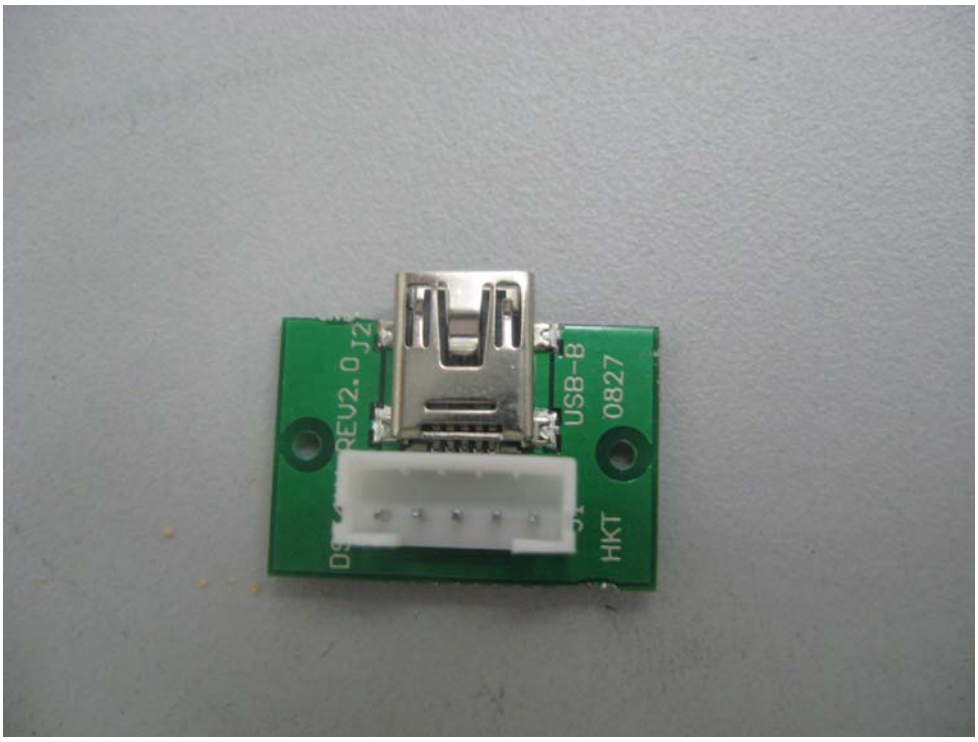


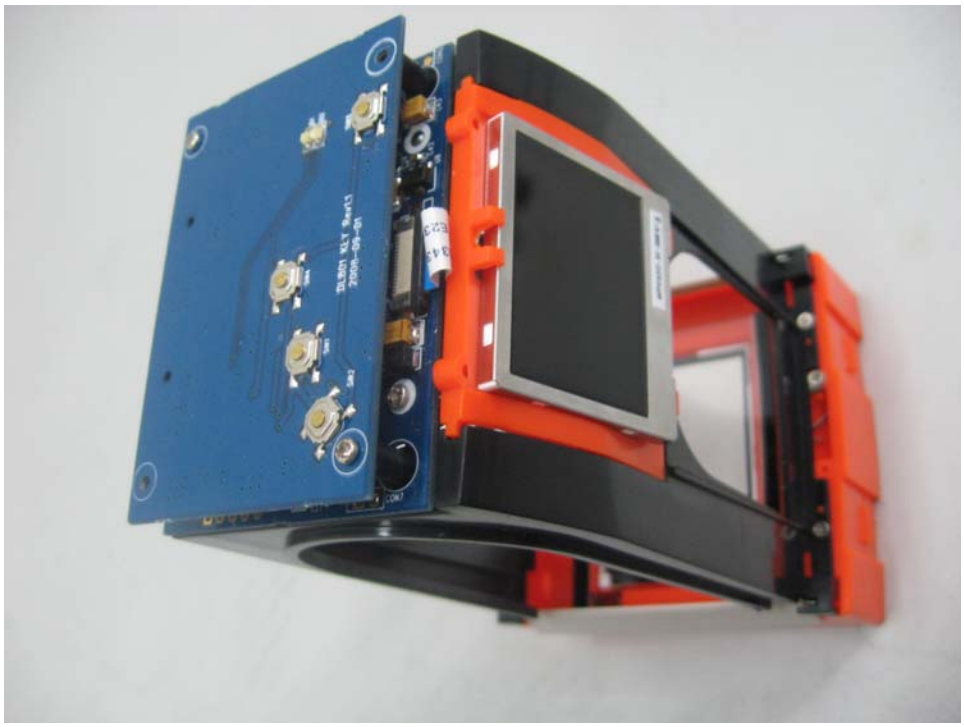


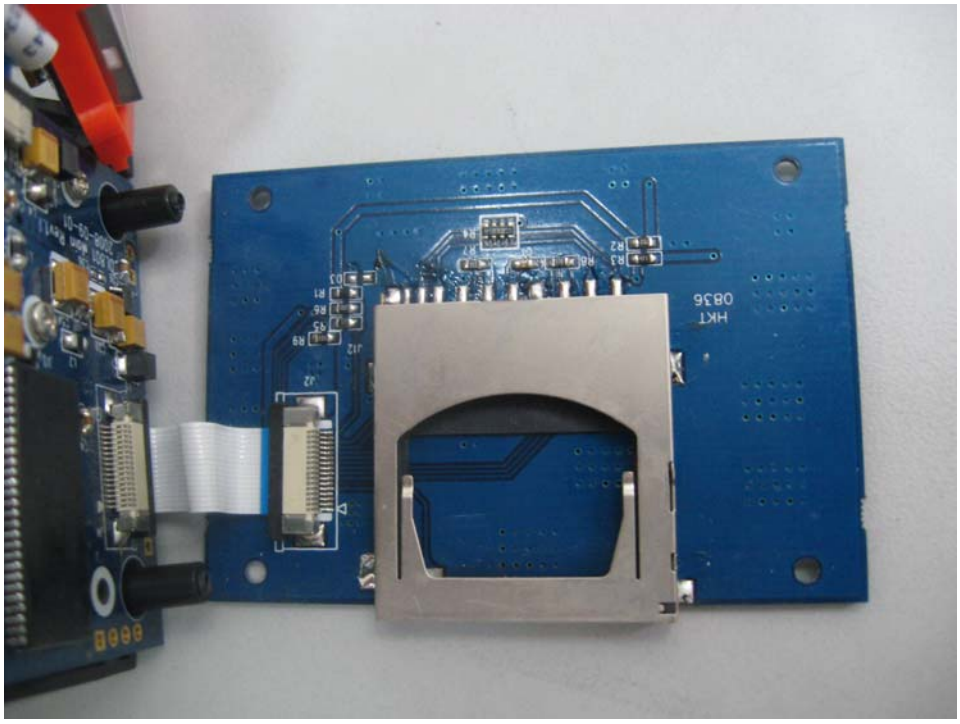

PHILIPS

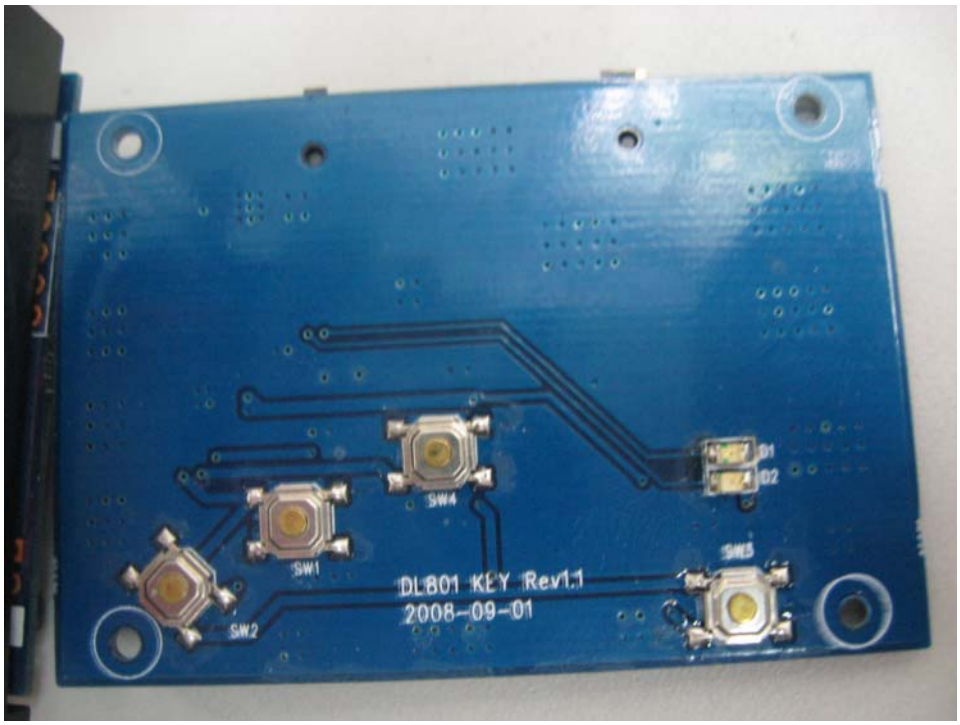
## 7.3 EUT Constructional Details

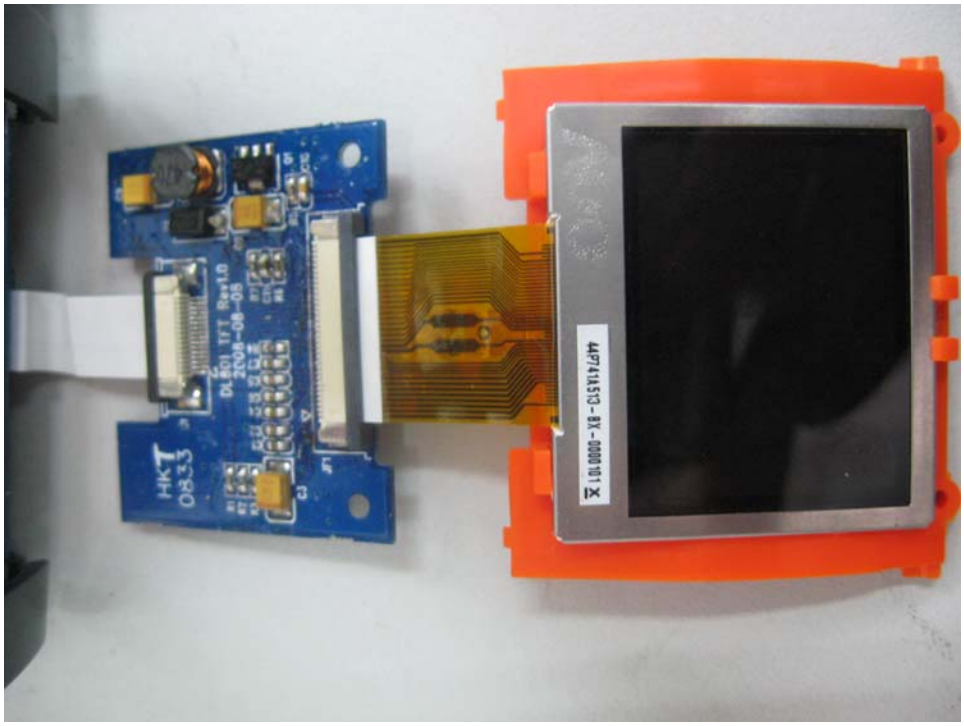



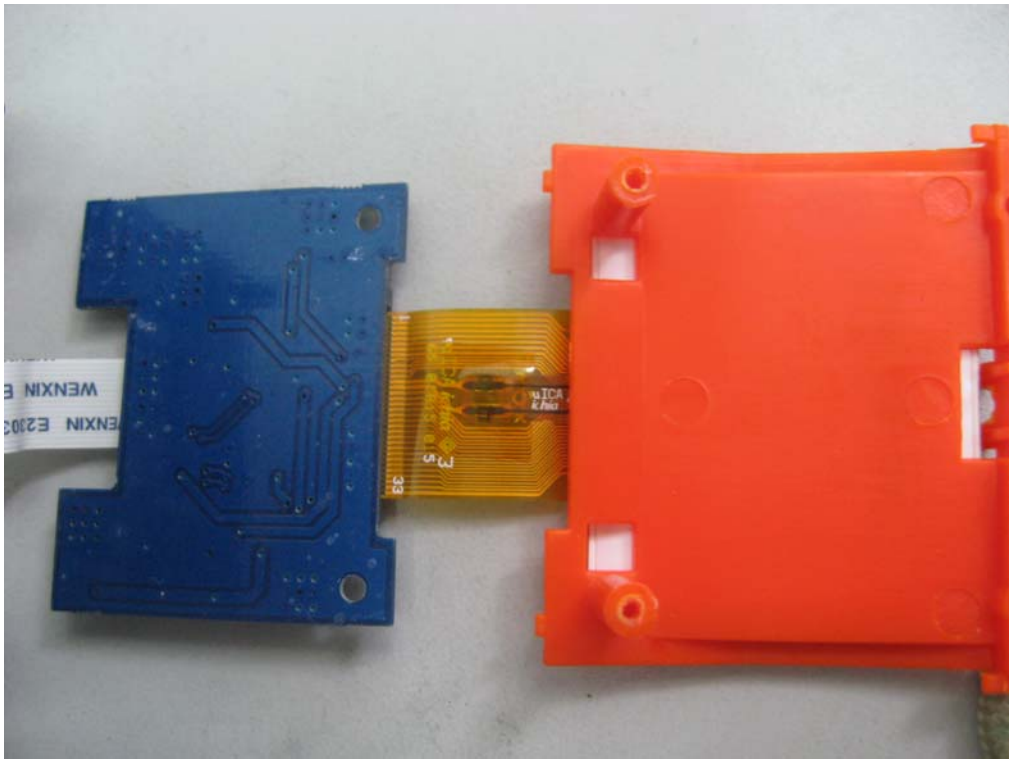

REV2.0 J2
USB-B
0827
HKT

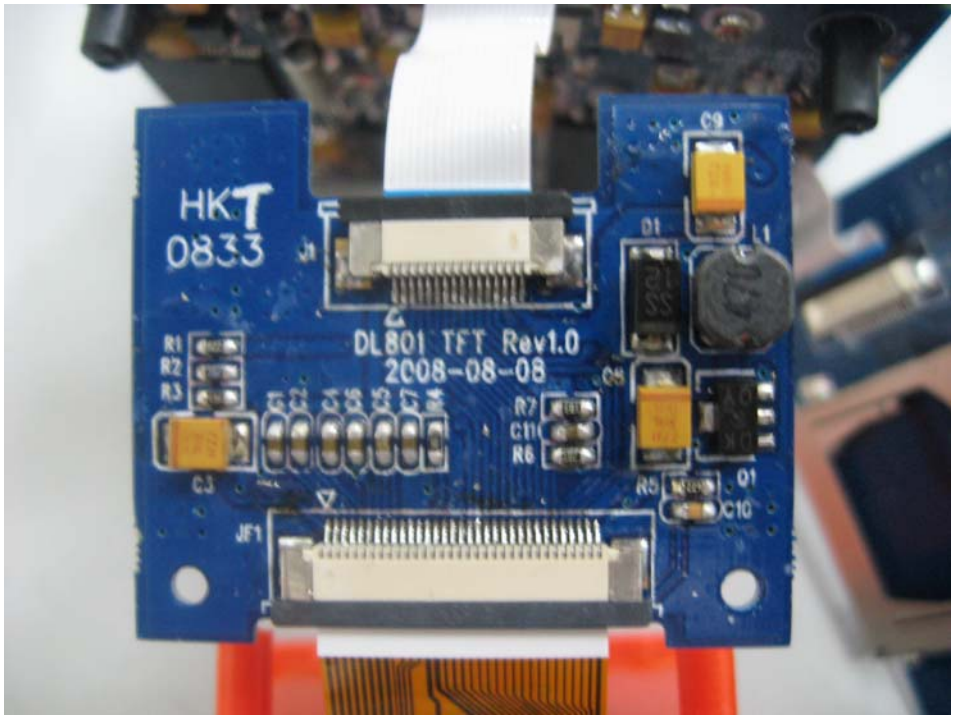


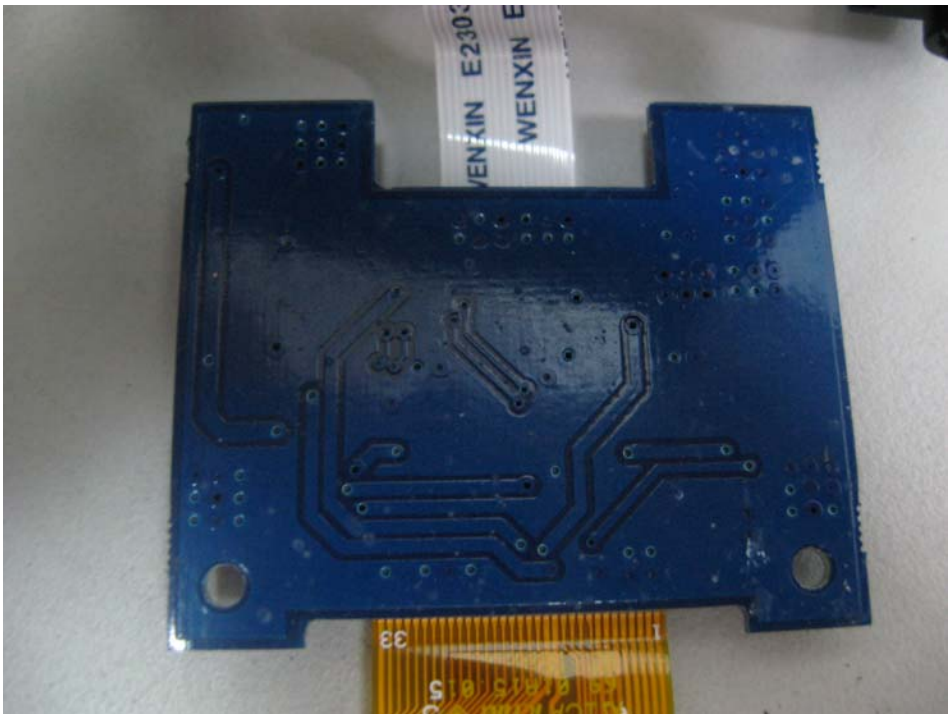


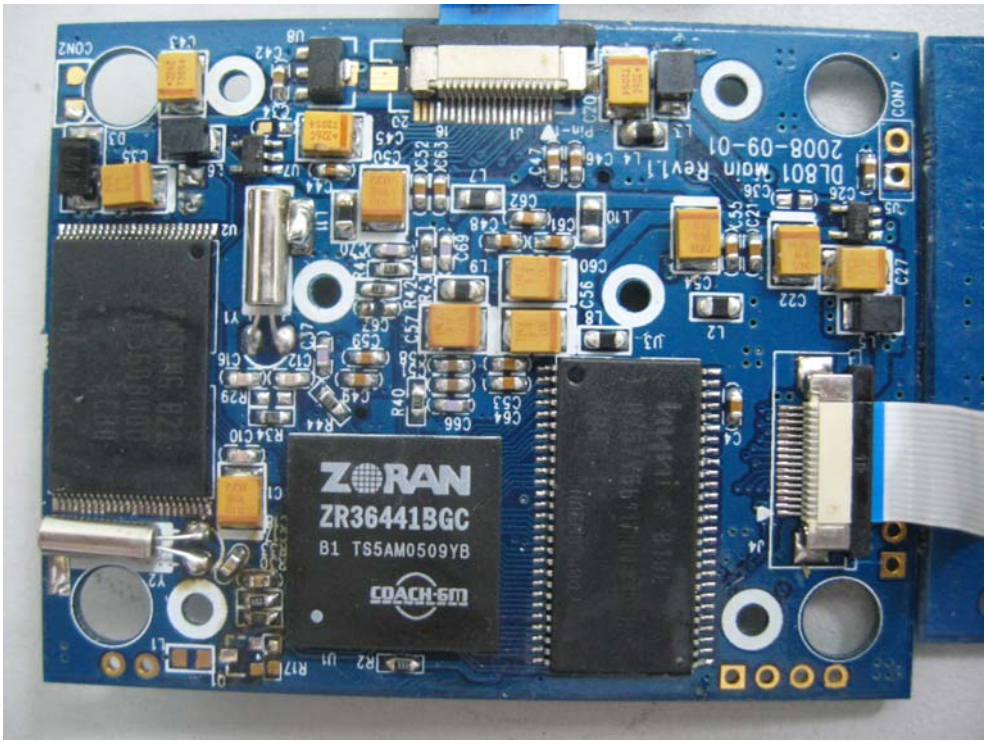

SW4
SW1
SW2
SW3
D1
D2
DL801 KEY Rev1.1
2008-09-01

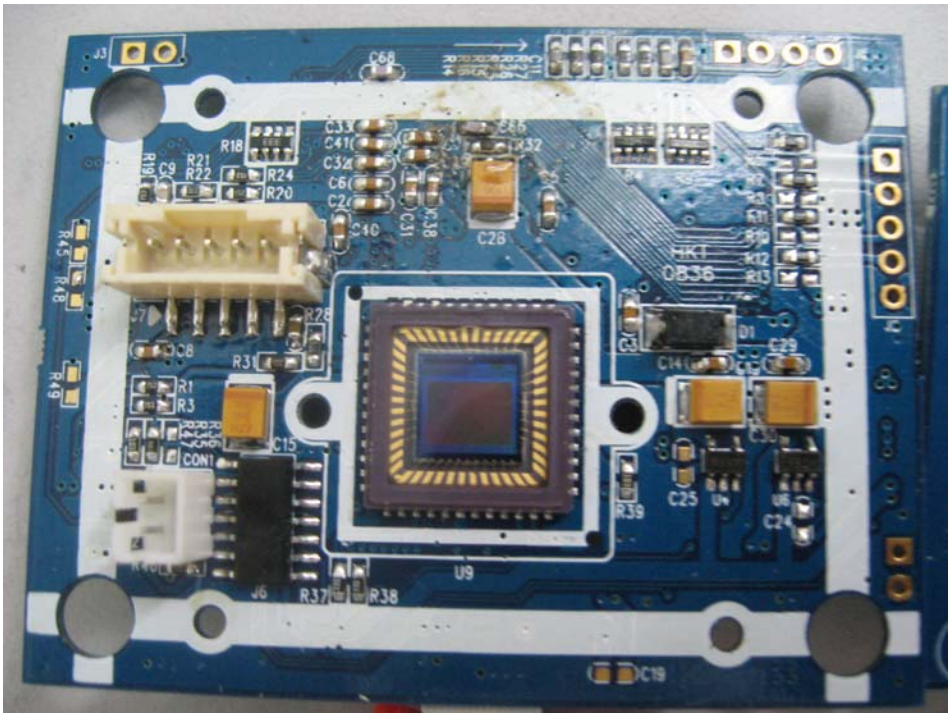


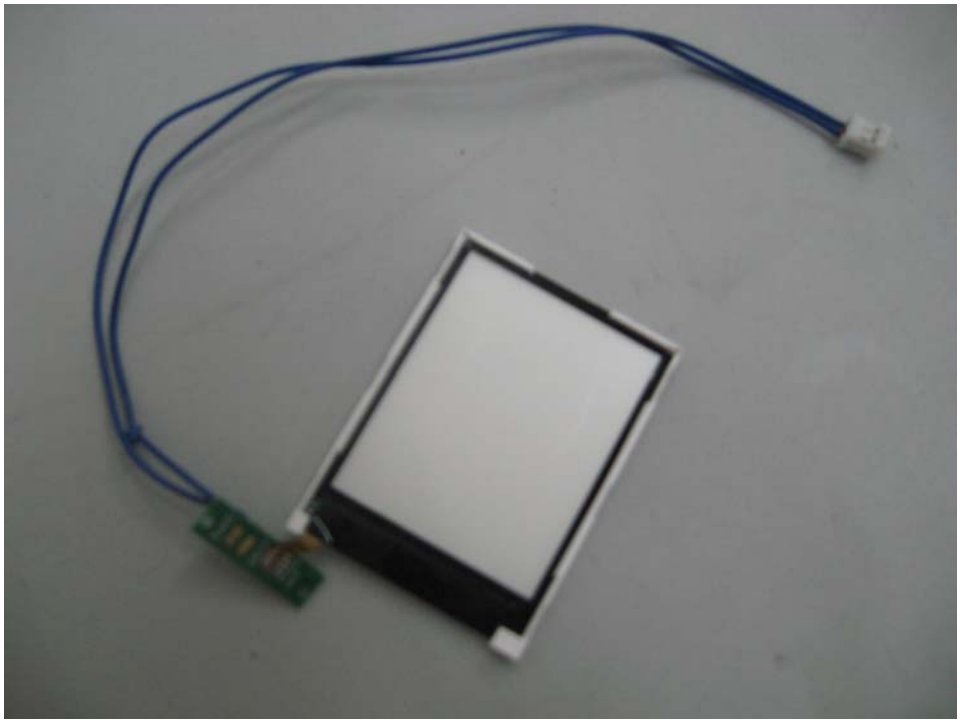


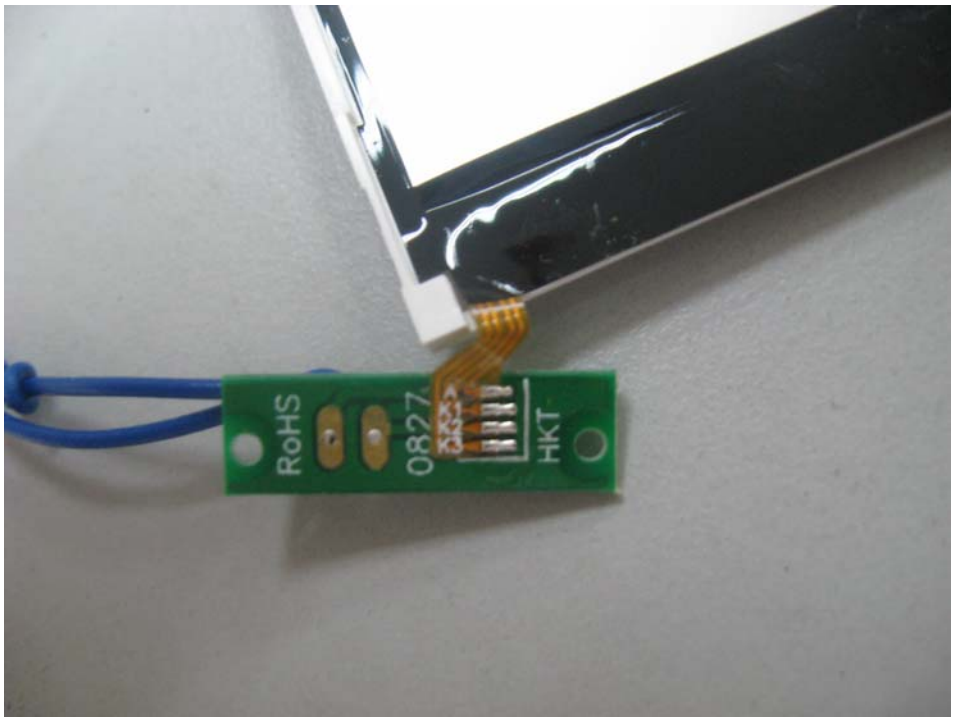

HKT
0833
DL801 TFT Rev1.0
2008-08-08


WENXIN


ZORAN
ZR36441BGC
B1 TS5AM0509YB
COACH-6M
2008-09-01





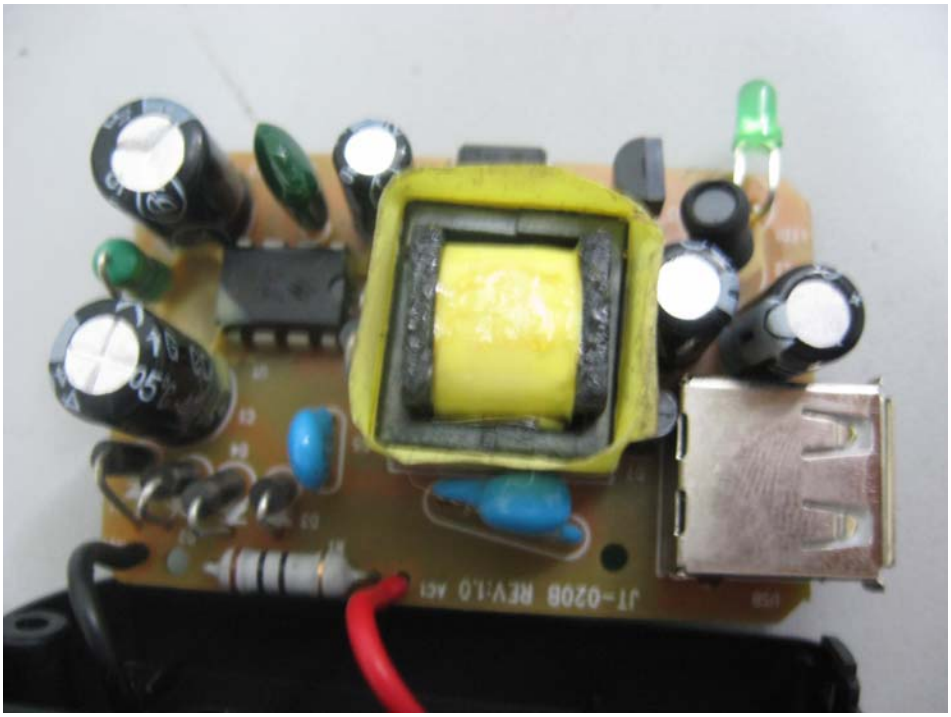

RoHS
0827
HKT

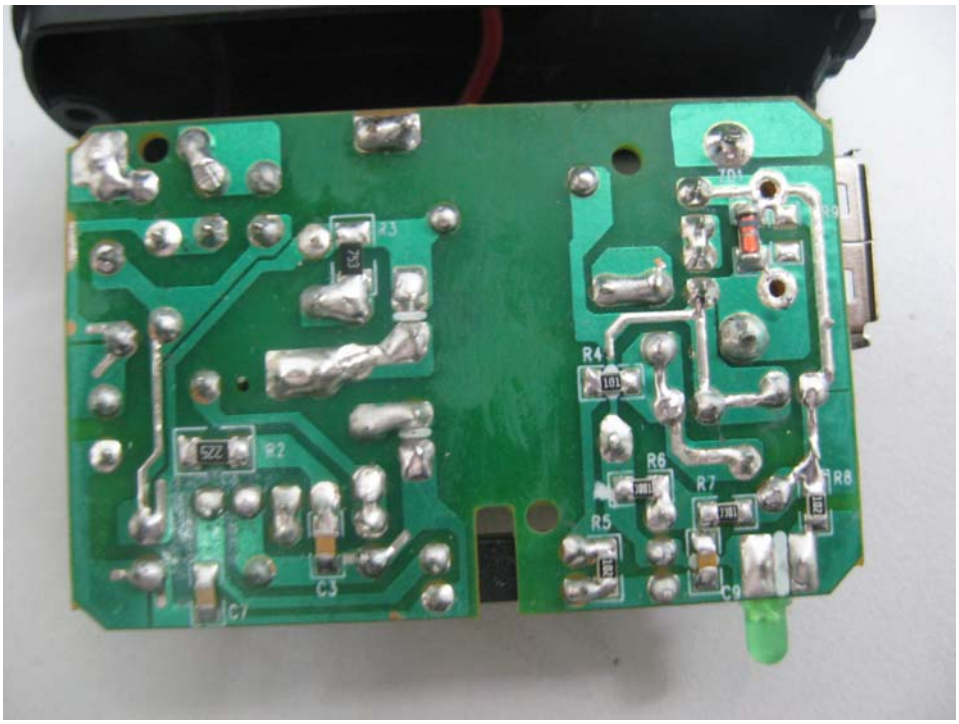

EU3C FilmScan35 II
Model No. SCND502H1231
Bar code:4895137600775
PATENT PENDING
Made in China


EU3C


Travel Charger
FC
CB
CE
MADE IN CHINA


Travel Charger
FC
CB
CE




***End of Report***