

**APPLICATION FOR VERIFICATION  
On Behalf of  
Recordex USA, Inc.**

Interactive Flat Panel  
Model No.: ST-650U

FCC ID: 2ADKE-ST-650U

Prepared for : Recordex USA, Inc.  
Address : 10-50 46th Avenue, Long Island City, NY 11101

Prepared by : Accurate Technology Co., Ltd.  
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Report No. : ATE20151180  
Date of Test : Jun 01-09, 2015  
Date of Report : Jun 10, 2015

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## Test Report Declaration

Applicant : Recordex USA, Inc.  
Manufacturer : Recordex USA, Inc.  
Product : Interactive Flat Panel  
(A) Model No.: ST-650U  
(B) Rating: AC 100-240V; 50/60Hz  
(C) Trade Mark: RECORDEX

Measurement Procedure Used:

### FCC Rules and Regulations Part 15 Subpart B Class B & ANSI C63.4 : 2014

The device described above is tested by Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

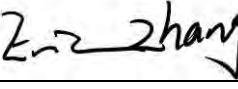
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test :  
Date of Report:

Jun 01-09, 2015

Jun 10, 2015

Prepared by :

  
(Eric Zhang, Engineer)

Approved & Authorized Signer :

  
( Sean Liu, Manager)

## 1. TEST RESULTS SUMMARY

| Test Items                    | Test Standard         | Test Results |
|-------------------------------|-----------------------|--------------|
| Power Line Conducted Emission | FCC Part 15 Subpart B | Pass         |
| Radiated Emission             | FCC Part 15 Subpart B | Pass         |

## 2. GENERAL INFORMATION

### 2.1. Product of Device (EUT)

Product : Interactive Flat Panel  
Model No. : ST-650U  
Rating : AC 100-240V; 50/60Hz  
Trade Mark : RECORDEX  
Remark(s) : The EUT highest operating frequency provided by Manufacturer is 1.2GHz, the radiated emission measurement shall be made up to 6 GHz.  
Applicant : Recordex USA, Inc.  
Address : 10-50 46th Avenue, Long Island City, NY 11101  
Manufacturer : Recordex USA, Inc.  
Address : 10-50 46th Avenue, Long Island City, NY 11101  
Date of sample received : Jun 01, 2015  
Date of Test : Jun 01-09, 2015

### 2.2. Accessory and Auxiliary Equipment

N/A

### 2.3.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004

Listed by FCC

The Registration Number is 253065

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-1

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee for Laboratories

The Certificate Registration Number is L3193

Name of Firm : Accurate Technology Co., Ltd.

Site Location : F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China

### 2.4.Measurement Uncertainty

Conducted emission expanded uncertainty :  $U=2.23\text{dB}$ ,  $k=2$

Power disturbance expanded uncertainty :  $U=2.92\text{dB}$ ,  $k=2$

Radiated emission expanded uncertainty :  $U=3.08\text{dB}$ ,  $k=2$   
(9kHz-30MHz)

Radiated emission expanded uncertainty :  $U=4.42\text{dB}$ ,  $k=2$   
(30MHz-1000MHz)

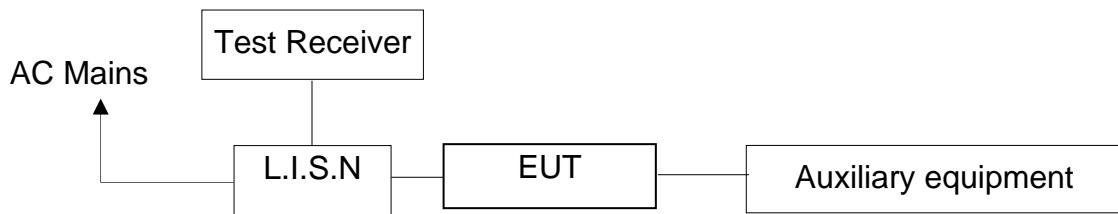
Radiated emission expanded uncertainty :  $U=4.06\text{dB}$ ,  $k=2$   
(Above 1GHz)

### 3. POWER LINE CONDUCTED MEASUREMENT

#### 3.1. For Power Line Conducted Emission

| Item | Equipment                              | Manufacturer    | Model No.    | Serial No.     | Last Cal.    | Cal. Interval |
|------|--|-----------------|--------------|----------------|--------------|---------------|
| 1.   | Test Receiver                          | Rohde & Schwarz | ESCS30       | 100307         | Jan.10, 2015 | 1 Year        |
| 2.   | Test Receiver                          | Rohde & Schwarz | ESPI         | 100396/003     | Jan.10, 2015 | 1 Year        |
| 3.   | Test Receiver                          | Rohde & Schwarz | ESPI         | 101526/003     | Jan.10, 2015 | 1 Year        |
| 4.   | Test Receiver                          | Rohde & Schwarz | ESR          | 101817         | Jan.10, 2015 | 1 Year        |
| 5.   | L.I.S.N.                               | Schwarzbeck     | NLSK8126     | 8126431        | Jan.10, 2015 | 1 Year        |
| 6.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z5      | 100305         | Jan.10, 2015 | 1 Year        |
| 7.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z5      | 100310         | Jan.10, 2015 | 1 Year        |
| 8.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z6      | 100132         | Jan.10, 2015 | 1 Year        |
| 9.   | L.I.S.N.                               | Rohde & Schwarz | ESH3-Z6      | 100979         | Jan.10, 2015 | 1 Year        |
| 10.  | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2      | 100305         | Jan.10, 2015 | 1 Year        |
| 11.  | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2      | 100312         | Jan.10, 2015 | 1 Year        |
| 12.  | Pulse Limiter                          | Rohde & Schwarz | ESH3-Z2      | 100815         | Jan.10, 2015 | 1 Year        |
| 13.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B        | 620028393<br>6 | Jan.10, 2015 | 1 Year        |
| 14.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B        | 620028393<br>3 | Jan.10, 2015 | 1 Year        |
| 15.  | 50Ω Coaxial Switch                     | Anritsu Corp    | MP59B        | 620050647<br>4 | Jan.10, 2015 | 1 Year        |
| 16.  | VOLTAGE PROBE                          | Schwarzbeck     | TK9416       | N/A            | Jan.10, 2015 | 1 Year        |
| 17.  | RF CURRENT PROBE                       | Rohde & Schwarz | EZ-17        | 100048         | Jan.10, 2015 | 1 Year        |
| 18.  | 8-Wire Impedance Stabilisation Network | Schwarzbeck     | CAT5<br>8158 | 8158-0035      | Jan.10, 2015 | 1 Year        |
| 19.  | RF Coaxial Cable                       | SUHNER          | N-2m         | No.2           | Jan.10, 2015 | 1 Year        |
| 20.  | RF Coaxial Cable                       | SUHNER          | N-2m         | No.3           | Jan.10, 2015 | 1 Year        |
| 21.  | RF Coaxial Cable                       | SUHNER          | N-2m         | No.14          | Jan.10, 2015 | 1 Year        |

### 3.2. Block Diagram of Test Setup



(EUT: Interactive Flat Panel )

### 3.3. Power Line Conducted Emission Measurement Limits (Class B)

| Frequency<br>MHz | Limits dB( $\mu$ V) |               |
|------------------|---------------------|---------------|
|                  | Quasi-peak Level    | Average Level |
| 0.15—0.50        | 66—56*              | 56—46*        |
| 0.50—5.00        | 56                  | 46            |
| 5.00—30.0        | 60                  | 50            |

Notes: 1. \*Decreasing linearly with logarithm of frequency.  
2. The lower limit shall apply at the transition frequencies.

### 3.4. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

#### 3.4.1. Interactive Flat Panel (EUT)

Model Number: ST-650U

Serial Number: N/A

Manufacturer: Recordex USA, Inc.

### 3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipment.

3.5.3. Let the EUT work in test mode (AV, USB, HDMI, VGA, WAN) and measure it.

### 3.6. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of DC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4 : 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

## 3.7. Power Line Conducted Emission Measurement Results

**PASS.****Test Mode: USB(AC 120V)****MEASUREMENT RESULT: "REC001\_fin"**

2015-6-5 14:52

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.160000         | 54.80               | 10.4         | 66                  | 10.7         | QP       | L1   | GND |
| 0.402000         | 50.10               | 11.3         | 58                  | 7.7          | QP       | L1   | GND |
| 13.929500        | 47.90               | 11.9         | 60                  | 12.1         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC001\_fin2"**

2015-6-5 14:52

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.162000         | 49.50               | 10.4         | 55                  | 5.9          | AV       | L1   | GND |
| 0.400000         | 42.30               | 11.3         | 48                  | 5.6          | AV       | L1   | GND |
| 14.591000        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

**MEASUREMENT RESULT: "REC002\_fin"**

2015-6-5 14:55

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 54.80               | 10.4         | 65                  | 10.5         | QP       | N    | GND |
| 0.406000         | 50.80               | 11.3         | 58                  | 6.9          | QP       | N    | GND |
| 14.811500        | 48.20               | 11.9         | 60                  | 11.8         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC002\_fin2"**

2015-6-5 14:55

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.162000         | 49.90               | 10.4         | 55                  | 5.5          | AV       | N    | GND |
| 0.402000         | 42.90               | 11.3         | 48                  | 4.9          | AV       | N    | GND |
| 14.348000        | 39.20               | 11.9         | 50                  | 10.8         | AV       | N    | GND |

## Test Mode: AV(AC 120V)

**MEASUREMENT RESULT: "REC009\_fin"**

2015-6-5 15:13

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.396000         | 49.90               | 11.3         | 58                  | 8.0          | QP       | L1   | GND |
| 0.710000         | 48.60               | 11.5         | 56                  | 7.4          | QP       | L1   | GND |
| 14.564000        | 48.60               | 11.9         | 60                  | 11.4         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC009\_fin2"**

2015-6-5 15:13

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.158000         | 49.40               | 10.4         | 56                  | 6.2          | AV       | L1   | GND |
| 0.240000         | 44.30               | 10.8         | 52                  | 7.8          | AV       | L1   | GND |
| 14.870000        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

**MEASUREMENT RESULT: "REC010\_fin"**

2015-6-5 15:15

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.398000         | 50.60               | 11.3         | 58                  | 7.3          | QP       | N    | GND |
| 0.706000         | 49.50               | 11.5         | 56                  | 6.5          | QP       | N    | GND |
| 15.392000        | 47.80               | 11.9         | 60                  | 12.2         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC010\_fin2"**

2015-6-5 15:15

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.158000         | 49.80               | 10.4         | 56                  | 5.8          | AV       | N    | GND |
| 0.400000         | 41.30               | 11.3         | 48                  | 6.6          | AV       | N    | GND |
| 14.415500        | 39.20               | 11.9         | 50                  | 10.8         | AV       | N    | GND |

## Test Mode: HDMI(AC 120V)

***MEASUREMENT RESULT: "REC007\_fin"***

2015-6-5 15:08

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.664000         | 49.00               | 11.5         | 56                  | 7.0          | QP       | N    | GND |
| 0.896000         | 46.50               | 11.6         | 56                  | 9.5          | QP       | N    | GND |
| 14.802500        | 48.60               | 11.9         | 60                  | 11.4         | QP       | N    | GND |

***MEASUREMENT RESULT: "REC007\_fin2"***

2015-6-5 15:08

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 49.20               | 10.4         | 55                  | 6.0          | AV       | N    | GND |
| 0.326000         | 42.40               | 11.1         | 50                  | 7.2          | AV       | N    | GND |
| 0.406000         | 43.00               | 11.3         | 48                  | 4.7          | AV       | N    | GND |

***MEASUREMENT RESULT: "REC008\_fin"***

2015-6-5 15:10

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.502000         | 48.50               | 11.5         | 56                  | 7.5          | QP       | L1   | GND |
| 0.888000         | 44.60               | 11.6         | 56                  | 11.4         | QP       | L1   | GND |
| 14.568500        | 48.50               | 11.9         | 60                  | 11.5         | QP       | L1   | GND |

***MEASUREMENT RESULT: "REC008\_fin2"***

2015-6-5 15:10

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 46.60               | 10.4         | 55                  | 8.7          | AV       | L1   | GND |
| 0.404000         | 40.60               | 11.3         | 48                  | 7.2          | AV       | L1   | GND |
| 14.568500        | 39.50               | 11.9         | 50                  | 10.5         | AV       | L1   | GND |

## Test Mode: VGA(AC 120V)

**MEASUREMENT RESULT: "REC003\_fin"**

2015-6-5 15:00

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.404000         | 51.30               | 11.3         | 58                  | 6.5          | QP       | N    | GND |
| 0.566000         | 50.60               | 11.5         | 56                  | 5.4          | QP       | N    | GND |
| 14.487500        | 48.30               | 11.9         | 60                  | 11.7         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC003\_fin2"**

2015-6-5 15:00

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 49.50               | 10.4         | 55                  | 5.7          | AV       | N    | GND |
| 0.404000         | 42.90               | 11.3         | 48                  | 4.9          | AV       | N    | GND |
| 14.073500        | 39.00               | 11.9         | 50                  | 11.0         | AV       | N    | GND |

**MEASUREMENT RESULT: "REC004\_fin"**

2015-6-5 15:02

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.408000         | 50.00               | 11.3         | 58                  | 7.7          | QP       | L1   | GND |
| 0.666000         | 48.00               | 11.5         | 56                  | 8.0          | QP       | L1   | GND |
| 14.046500        | 48.10               | 11.9         | 60                  | 11.9         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC004\_fin2"**

2015-6-5 15:02

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 48.90               | 10.4         | 55                  | 6.3          | AV       | L1   | GND |
| 0.404000         | 42.10               | 11.3         | 48                  | 5.7          | AV       | L1   | GND |
| 14.406500        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

**Test Mode: WAN IN(AC 120V)*****MEASUREMENT RESULT: "REC005\_fin"***

2015-6-5 15:04

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.494000         | 48.60               | 11.5         | 56                  | 7.5          | QP       | L1   | GND |
| 0.898000         | 45.70               | 11.6         | 56                  | 10.3         | QP       | L1   | GND |
| 14.663000        | 49.10               | 11.9         | 60                  | 10.9         | QP       | L1   | GND |

***MEASUREMENT RESULT: "REC005\_fin2"***

2015-6-5 15:04

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.162000         | 48.90               | 10.4         | 55                  | 6.5          | AV       | L1   | GND |
| 0.406000         | 42.70               | 11.3         | 48                  | 5.0          | AV       | L1   | GND |
| 14.690000        | 39.00               | 11.9         | 50                  | 11.0         | AV       | L1   | GND |

***MEASUREMENT RESULT: "REC006\_fin"***

2015-6-5 15:06

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.664000         | 49.10               | 11.5         | 56                  | 6.9          | QP       | N    | GND |
| 0.880000         | 46.00               | 11.6         | 56                  | 10.0         | QP       | N    | GND |
| 14.555000        | 48.30               | 11.9         | 60                  | 11.7         | QP       | N    | GND |

***MEASUREMENT RESULT: "REC006\_fin2"***

2015-6-5 15:06

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 50.10               | 10.4         | 55                  | 5.2          | AV       | N    | GND |
| 0.406000         | 43.50               | 11.3         | 48                  | 4.2          | AV       | N    | GND |
| 14.861000        | 38.50               | 11.9         | 50                  | 11.5         | AV       | N    | GND |

## Test Mode: USB(AC 240V)

***MEASUREMENT RESULT: "CY03\_fin"***

| 2016-06-25 15:14 |               |              |               |              |          |      |     |  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|--|
| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |  |
| 0.192340         | 48.10         | 11.9         | 64            | 15.8         | QP       | L1   | GND |  |
| 0.265014         | 44.00         | 11.9         | 61            | 17.3         | QP       | L1   | GND |  |
| 14.411633        | 39.00         | 12.0         | 60            | 21.0         | QP       | L1   | GND |  |

***MEASUREMENT RESULT: "CY03\_fin2"***

| 2016-06-25 15:14 |               |              |               |              |          |      |     |  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|--|
| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |  |
| 0.196415         | 37.60         | 11.9         | 54            | 16.2         | AV       | L1   | GND |  |
| 0.265809         | 38.60         | 11.9         | 51            | 12.6         | AV       | L1   | GND |  |
| 14.411633        | 31.70         | 12.0         | 50            | 18.3         | AV       | L1   | GND |  |

***MEASUREMENT RESULT: "CY04\_fin"***

| 2016-06-25 15:16 |               |              |               |              |          |      |     |  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|--|
| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |  |
| 0.192917         | 47.20         | 11.9         | 64            | 16.7         | QP       | N    | GND |  |
| 0.264221         | 43.40         | 11.9         | 61            | 17.9         | QP       | N    | GND |  |
| 14.154925        | 39.60         | 12.0         | 60            | 20.4         | QP       | N    | GND |  |

***MEASUREMENT RESULT: "CY04\_fin2"***

| 2016-06-25 15:16 |               |              |               |              |          |      |     |  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|--|
| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |  |
| 0.193495         | 37.40         | 11.9         | 54            | 16.5         | AV       | N    | GND |  |
| 0.265014         | 38.90         | 11.9         | 51            | 12.4         | AV       | N    | GND |  |
| 14.154925        | 32.20         | 12.0         | 50            | 17.8         | AV       | N    | GND |  |

## Test Mode: AV(AC 240V)

***MEASUREMENT RESULT: "CY15\_fin"***

2016-06-25 15:49

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.261857         | 45.50         | 11.9         | 61            | 15.9         | QP       | L1   | GND |
| 0.786153         | 40.30         | 11.9         | 56            | 15.7         | QP       | L1   | GND |
| 16.246152        | 48.60         | 12.0         | 60            | 11.4         | QP       | L1   | GND |

***MEASUREMENT RESULT: "CY15\_fin2"***

2016-06-25 15:49

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.30         | 11.9         | 51            | 9.0          | AV       | L1   | GND |
| 0.790877         | 36.20         | 11.9         | 46            | 9.8          | AV       | L1   | GND |
| 16.100809        | 41.80         | 12.0         | 50            | 8.2          | AV       | L1   | GND |

***MEASUREMENT RESULT: "CY14\_fin"***

2016-06-25 15:47

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.264221         | 46.30         | 11.9         | 61            | 15.0         | QP       | N    | GND |
| 0.798017         | 40.60         | 11.9         | 56            | 15.4         | QP       | N    | GND |
| 15.485869        | 51.60         | 12.0         | 60            | 8.4          | QP       | N    | GND |

***MEASUREMENT RESULT: "CY14\_fin2"***

2016-06-25 15:47

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.40         | 11.9         | 51            | 8.9          | AV       | N    | GND |
| 0.798017         | 35.90         | 11.9         | 46            | 10.1         | AV       | N    | GND |
| 15.861456        | 45.50         | 12.0         | 50            | 4.5          | AV       | N    | GND |

## Test Mode: HDMI(AC 240V)

**MEASUREMENT RESULT: "CY05\_fin"**

2016-06-25 15:23

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.192340         | 48.90         | 11.9         | 64            | 15.0         | QP       | N    | GND |
| 0.262643         | 45.60         | 11.9         | 61            | 15.7         | QP       | N    | GND |
| 25.461879        | 43.90         | 12.0         | 60            | 16.1         | QP       | N    | GND |

**MEASUREMENT RESULT: "CY05\_fin2"**

2016-06-25 15:23

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.195242         | 40.30         | 11.9         | 54            | 13.5         | AV       | N    | GND |
| 0.263431         | 41.10         | 11.9         | 51            | 10.2         | AV       | N    | GND |
| 25.461879        | 37.90         | 12.0         | 50            | 12.1         | AV       | N    | GND |

**MEASUREMENT RESULT: "CY06\_fin"**

2016-06-25 15:26

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.191764         | 49.50         | 11.9         | 64            | 14.5         | QP       | L1   | GND |
| 0.262643         | 46.10         | 11.9         | 61            | 15.2         | QP       | L1   | GND |
| 25.538265        | 43.60         | 12.0         | 60            | 16.4         | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY06\_fin2"**

2016-06-25 15:26

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.194076         | 39.70         | 11.9         | 54            | 14.2         | AV       | L1   | GND |
| 0.264221         | 41.50         | 11.9         | 51            | 9.8          | AV       | L1   | GND |
| 25.538265        | 37.70         | 12.0         | 50            | 12.3         | AV       | L1   | GND |

## Test Mode: VGA(AC 240V)

**MEASUREMENT RESULT: "CY10\_fin"**

2016-06-25 15:36

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.262643         | 46.00         | 11.9         | 61            | 15.3         | QP       | N    | GND |
| 0.798017         | 40.60         | 11.9         | 56            | 15.4         | QP       | N    | GND |
| 15.861456        | 47.10         | 12.0         | 60            | 12.9         | QP       | N    | GND |

**MEASUREMENT RESULT: "CY10\_fin2"**

2016-06-25 15:36

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.40         | 11.9         | 51            | 8.9          | AV       | N    | GND |
| 0.793250         | 36.40         | 11.9         | 46            | 9.6          | AV       | N    | GND |
| 15.861456        | 40.20         | 12.0         | 50            | 9.8          | AV       | N    | GND |

**MEASUREMENT RESULT: "CY11\_fin"**

2016-06-25 15:38

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.190049         | 49.10         | 11.9         | 64            | 14.9         | QP       | L1   | GND |
| 0.265014         | 46.70         | 11.9         | 61            | 14.6         | QP       | L1   | GND |
| 15.672537        | 47.10         | 12.0         | 60            | 12.9         | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY11\_fin2"**

2016-06-25 15:38

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.60         | 11.9         | 51            | 8.7          | AV       | L1   | GND |
| 0.795630         | 36.20         | 11.9         | 46            | 9.8          | AV       | L1   | GND |
| 15.861456        | 40.40         | 12.0         | 50            | 9.6          | AV       | L1   | GND |

## Test Mode: WAN IN(AC 240V)

***MEASUREMENT RESULT: "CY12\_fin"***

2016-06-25 15:41

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.192340         | 49.20         | 11.9         | 64            | 14.7         | QP       | L1   | GND |
| 0.318145         | 42.10         | 12.0         | 60            | 17.7         | QP       | L1   | GND |
| 15.672537        | 48.30         | 12.0         | 60            | 11.7         | QP       | L1   | GND |

***MEASUREMENT RESULT: "CY12\_fin2"***

2016-06-25 15:41

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.194076         | 39.80         | 11.9         | 54            | 14.1         | AV       | L1   | GND |
| 0.285622         | 36.60         | 12.0         | 51            | 14.1         | AV       | L1   | GND |
| 15.861456        | 41.50         | 12.0         | 50            | 8.5          | AV       | L1   | GND |

***MEASUREMENT RESULT: "CY13\_fin"***

2016-06-25 15:43

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.195828         | 48.10         | 11.9         | 64            | 15.7         | QP       | N    | GND |
| 0.317194         | 41.10         | 12.0         | 60            | 18.7         | QP       | N    | GND |
| 15.625660        | 49.20         | 12.0         | 60            | 10.8         | QP       | N    | GND |

***MEASUREMENT RESULT: "CY13\_fin2"***

2016-06-25 15:43

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.195828         | 40.30         | 11.9         | 54            | 13.5         | AV       | N    | GND |
| 0.284768         | 36.20         | 12.0         | 51            | 14.5         | AV       | N    | GND |
| 15.861456        | 43.50         | 12.0         | 50            | 6.5          | AV       | N    | GND |

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are shown in the following pages.

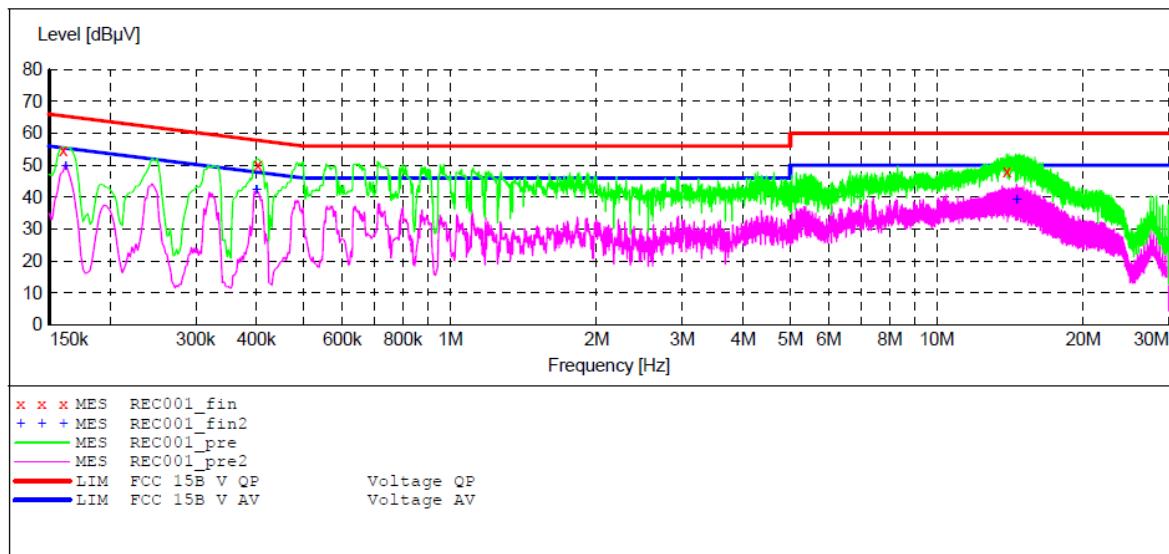
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: USB  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: L 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 14:50:56

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC001\_fin"**

2015-6-5 14:52

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.160000         | 54.80               | 10.4         | 66                  | 10.7         | QP       | L1   | GND |
| 0.402000         | 50.10               | 11.3         | 58                  | 7.7          | QP       | L1   | GND |
| 13.929500        | 47.90               | 11.9         | 60                  | 12.1         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC001\_fin2"**

2015-6-5 14:52

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.162000         | 49.50               | 10.4         | 55                  | 5.9          | AV       | L1   | GND |
| 0.400000         | 42.30               | 11.3         | 48                  | 5.6          | AV       | L1   | GND |
| 14.591000        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

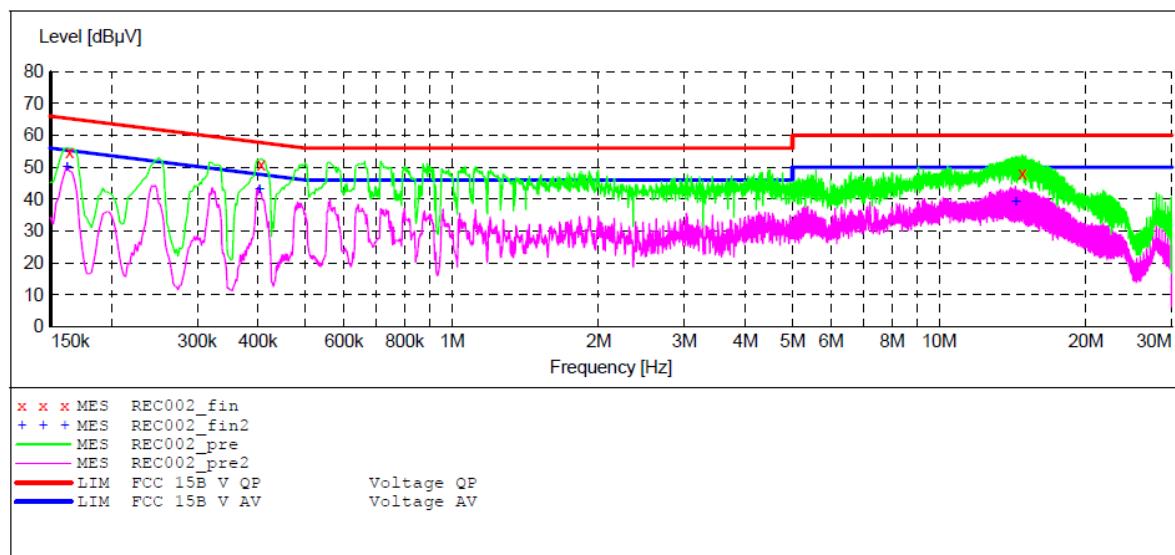
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: USB  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: N 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 14:53:39

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC002\_fin"**

2015-6-5 14:55

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 54.80               | 10.4         | 65                  | 10.5         | QP       | N    | GND |
| 0.406000         | 50.80               | 11.3         | 58                  | 6.9          | QP       | N    | GND |
| 14.811500        | 48.20               | 11.9         | 60                  | 11.8         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC002\_fin2"**

2015-6-5 14:55

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.162000         | 49.90               | 10.4         | 55                  | 5.5          | AV       | N    | GND |
| 0.402000         | 42.90               | 11.3         | 48                  | 4.9          | AV       | N    | GND |
| 14.348000        | 39.20               | 11.9         | 50                  | 10.8         | AV       | N    | GND |

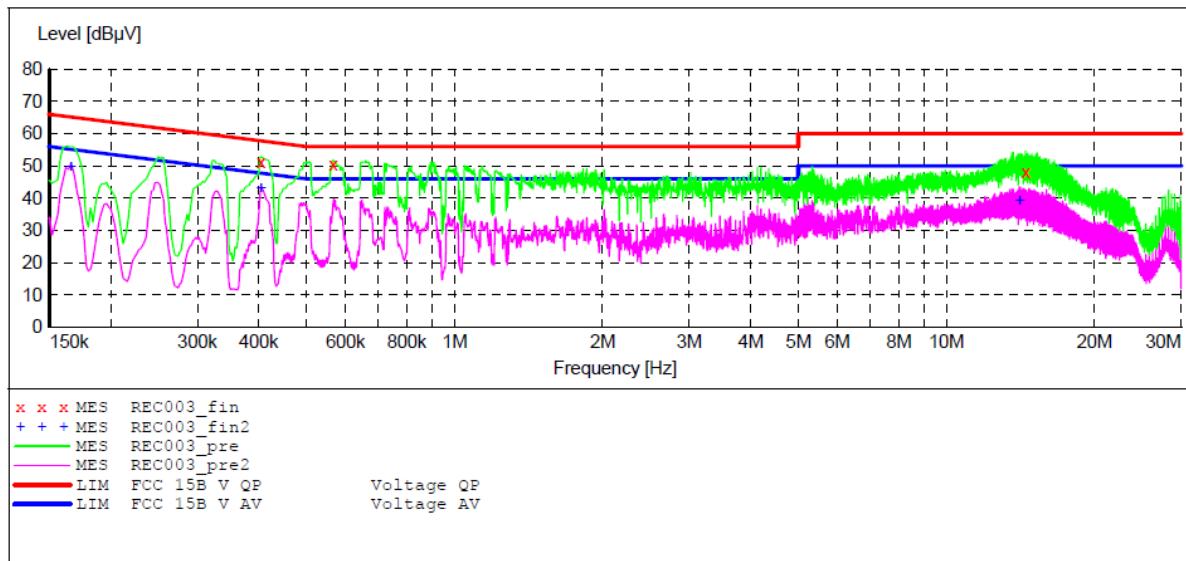
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: VGA  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: N 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 14:58:22

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC003\_fin"**

2015-6-5 15:00

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.404000         | 51.30               | 11.3         | 58                  | 6.5          | QP       | N    | GND |
| 0.566000         | 50.60               | 11.5         | 56                  | 5.4          | QP       | N    | GND |
| 14.487500        | 48.30               | 11.9         | 60                  | 11.7         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC003\_fin2"**

2015-6-5 15:00

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 49.50               | 10.4         | 55                  | 5.7          | AV       | N    | GND |
| 0.404000         | 42.90               | 11.3         | 48                  | 4.9          | AV       | N    | GND |
| 14.073500        | 39.00               | 11.9         | 50                  | 11.0         | AV       | N    | GND |

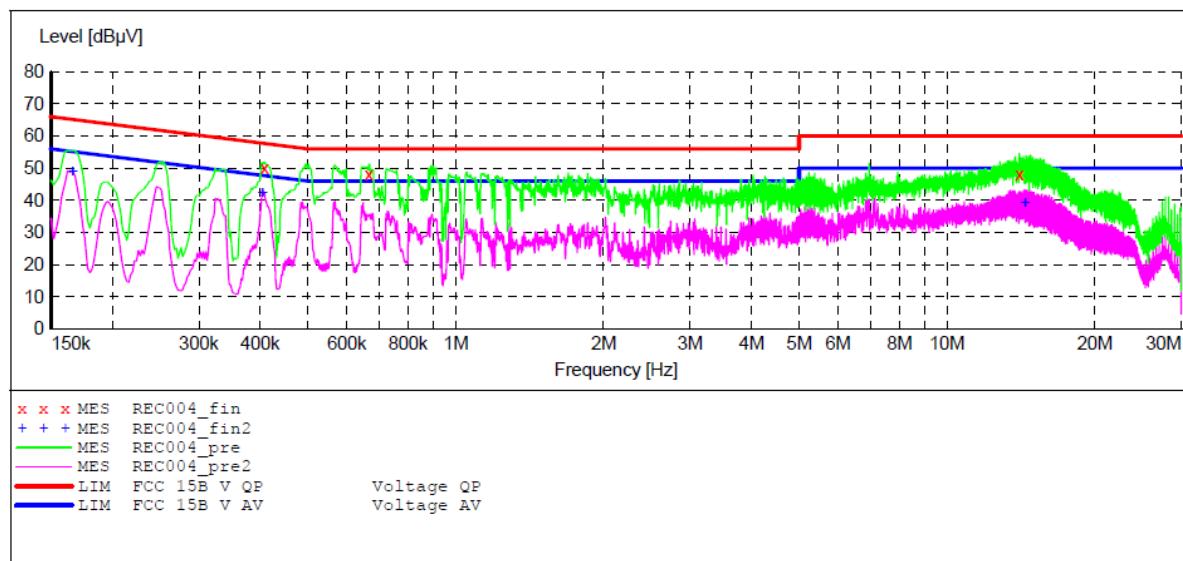
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: VGA  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: L 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 15:00:38

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC004\_fin"**

2015-6-5 15:02

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.408000         | 50.00               | 11.3         | 58                  | 7.7          | QP       | L1   | GND |
| 0.666000         | 48.00               | 11.5         | 56                  | 8.0          | QP       | L1   | GND |
| 14.046500        | 48.10               | 11.9         | 60                  | 11.9         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC004\_fin2"**

2015-6-5 15:02

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 48.90               | 10.4         | 55                  | 6.3          | AV       | L1   | GND |
| 0.404000         | 42.10               | 11.3         | 48                  | 5.7          | AV       | L1   | GND |
| 14.406500        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

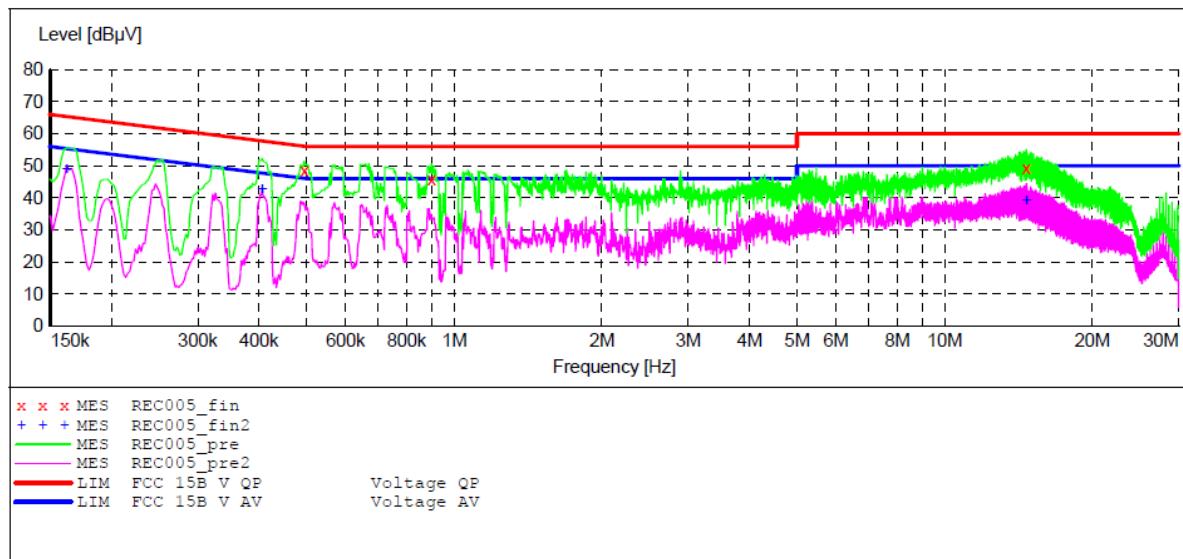
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
 Manufacturer: Recordex  
 Operating Condition: WAN IN  
 Test Site: 2#Shielding Room  
 Operator: star  
 Test Specification: L 120V/60Hz  
 Comment: Report No.:ATE20151180  
 Start of Test: 2015-6-5 / 15:03:23

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
 Average

**MEASUREMENT RESULT: "REC005\_fin"**

| 2015-6-5 15:04 | Frequency | Level      | Transd | Limit      | Margin | Detector | Line | PE  |
|----------------|-----------|------------|--------|------------|--------|----------|------|-----|
|                | MHz       | dB $\mu$ V | dB     | dB $\mu$ V | dB     |          |      |     |
|                | 0.494000  | 48.60      | 11.5   | 56         | 7.5    | QP       | L1   | GND |
|                | 0.898000  | 45.70      | 11.6   | 56         | 10.3   | QP       | L1   | GND |
|                | 14.663000 | 49.10      | 11.9   | 60         | 10.9   | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC005\_fin2"**

| 2015-6-5 15:04 | Frequency | Level      | Transd | Limit      | Margin | Detector | Line | PE  |
|----------------|-----------|------------|--------|------------|--------|----------|------|-----|
|                | MHz       | dB $\mu$ V | dB     | dB $\mu$ V | dB     |          |      |     |
|                | 0.162000  | 48.90      | 10.4   | 55         | 6.5    | AV       | L1   | GND |
|                | 0.406000  | 42.70      | 11.3   | 48         | 5.0    | AV       | L1   | GND |
|                | 14.690000 | 39.00      | 11.9   | 50         | 11.0   | AV       | L1   | GND |

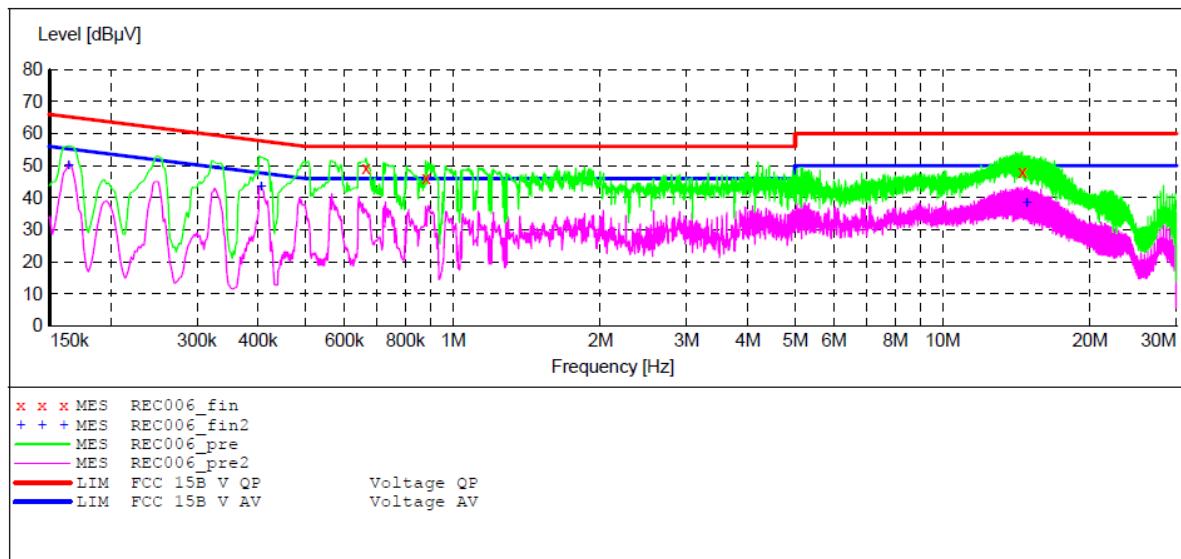
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
 Manufacturer: Recordex  
 Operating Condition: WAN IN  
 Test Site: 2#Shielding Room  
 Operator: star  
 Test Specification: N 120V/60Hz  
 Comment: Report No.:ATE20151180  
 Start of Test: 2015-6-5 / 15:05:21

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
 Average

**MEASUREMENT RESULT: "REC006\_fin"**

2015-6-5 15:06

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.664000         | 49.10               | 11.5         | 56                  | 6.9          | QP       | N    | GND |
| 0.880000         | 46.00               | 11.6         | 56                  | 10.0         | QP       | N    | GND |
| 14.555000        | 48.30               | 11.9         | 60                  | 11.7         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC006\_fin2"**

2015-6-5 15:06

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 50.10               | 10.4         | 55                  | 5.2          | AV       | N    | GND |
| 0.406000         | 43.50               | 11.3         | 48                  | 4.2          | AV       | N    | GND |
| 14.861000        | 38.50               | 11.9         | 50                  | 11.5         | AV       | N    | GND |

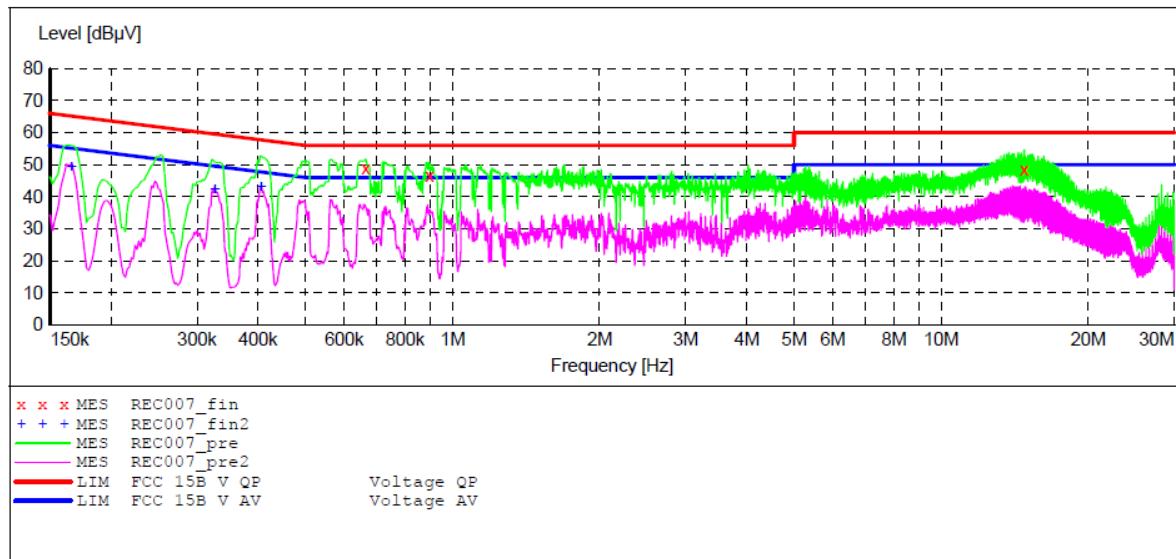
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: HDMI  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: N 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 15:07:18

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC007\_fin"**

2015-6-5 15:08

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.664000         | 49.00               | 11.5         | 56                  | 7.0          | QP       | N    | GND |
| 0.896000         | 46.50               | 11.6         | 56                  | 9.5          | QP       | N    | GND |
| 14.802500        | 48.60               | 11.9         | 60                  | 11.4         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC007\_fin2"**

2015-6-5 15:08

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.166000         | 49.20               | 10.4         | 55                  | 6.0          | AV       | N    | GND |
| 0.326000         | 42.40               | 11.1         | 50                  | 7.2          | AV       | N    | GND |
| 0.406000         | 43.00               | 11.3         | 48                  | 4.7          | AV       | N    | GND |

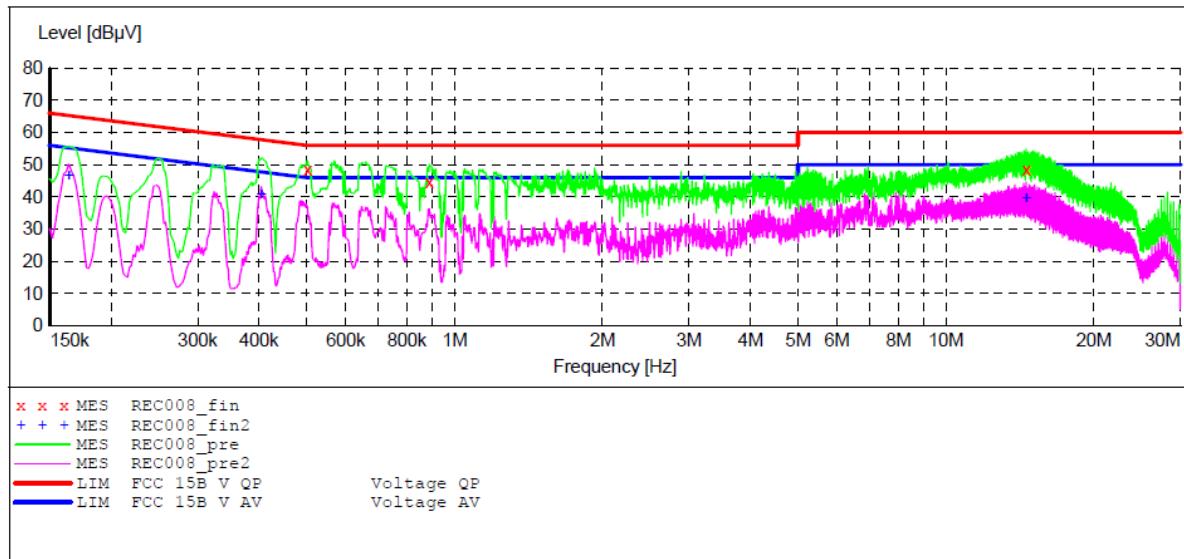
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: HDMI  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: L 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 15:09:18

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC008\_fin"**

2015-6-5 15:10

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.502000         | 48.50               | 11.5         | 56                  | 7.5          | QP       | L1   | GND |
| 0.888000         | 44.60               | 11.6         | 56                  | 11.4         | QP       | L1   | GND |
| 14.568500        | 48.50               | 11.9         | 60                  | 11.5         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC008\_fin2"**

2015-6-5 15:10

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.164000         | 46.60               | 10.4         | 55                  | 8.7          | AV       | L1   | GND |
| 0.404000         | 40.60               | 11.3         | 48                  | 7.2          | AV       | L1   | GND |
| 14.568500        | 39.50               | 11.9         | 50                  | 10.5         | AV       | L1   | GND |

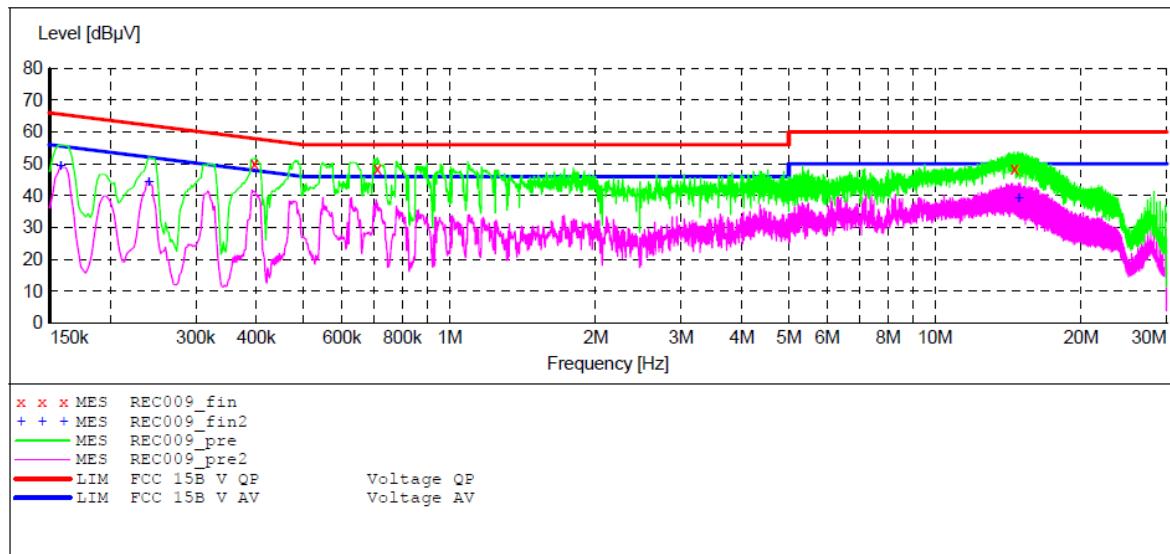
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: AV  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: L 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 15:11:14

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC009\_fin"**

2015-6-5 15:13

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.396000         | 49.90               | 11.3         | 58                  | 8.0          | QP       | L1   | GND |
| 0.710000         | 48.60               | 11.5         | 56                  | 7.4          | QP       | L1   | GND |
| 14.564000        | 48.60               | 11.9         | 60                  | 11.4         | QP       | L1   | GND |

**MEASUREMENT RESULT: "REC009\_fin2"**

2015-6-5 15:13

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.158000         | 49.40               | 10.4         | 56                  | 6.2          | AV       | L1   | GND |
| 0.240000         | 44.30               | 10.8         | 52                  | 7.8          | AV       | L1   | GND |
| 14.870000        | 39.10               | 11.9         | 50                  | 10.9         | AV       | L1   | GND |

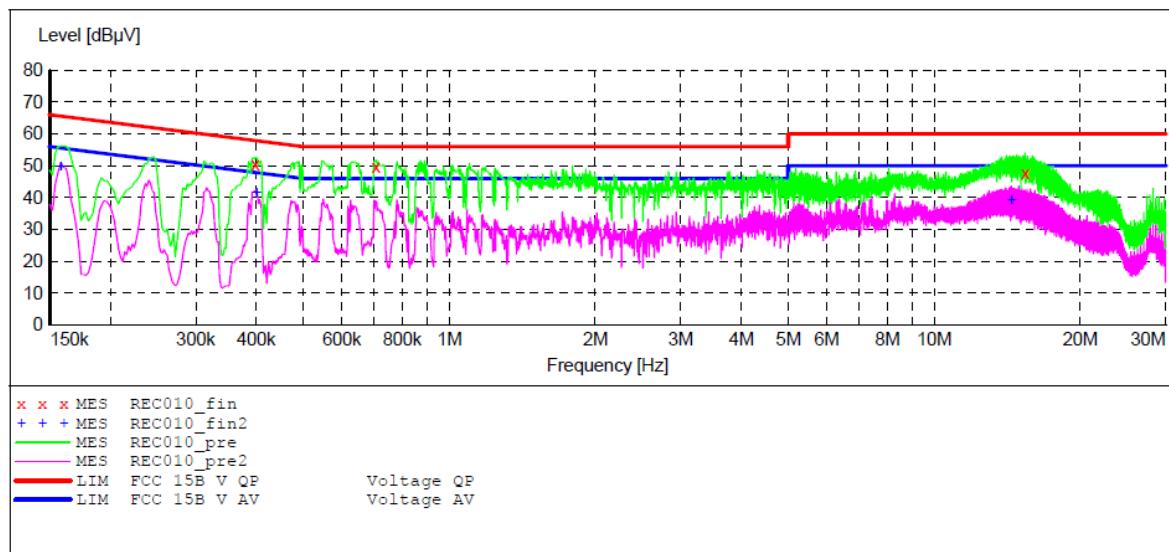
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: AV  
Test Site: 2#Shielding Room  
Operator: star  
Test Specification: N 120V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2015-6-5 / 15:13:28

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "REC010\_fin"**

2015-6-5 15:15

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.398000         | 50.60               | 11.3         | 58                  | 7.3          | QP       | N    | GND |
| 0.706000         | 49.50               | 11.5         | 56                  | 6.5          | QP       | N    | GND |
| 15.392000        | 47.80               | 11.9         | 60                  | 12.2         | QP       | N    | GND |

**MEASUREMENT RESULT: "REC010\_fin2"**

2015-6-5 15:15

| Frequency<br>MHz | Level<br>dB $\mu$ V | Transd<br>dB | Limit<br>dB $\mu$ V | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------------|--------------|---------------------|--------------|----------|------|-----|
| 0.158000         | 49.80               | 10.4         | 56                  | 5.8          | AV       | N    | GND |
| 0.400000         | 41.30               | 11.3         | 48                  | 6.6          | AV       | N    | GND |
| 14.415500        | 39.20               | 11.9         | 50                  | 10.8         | AV       | N    | GND |

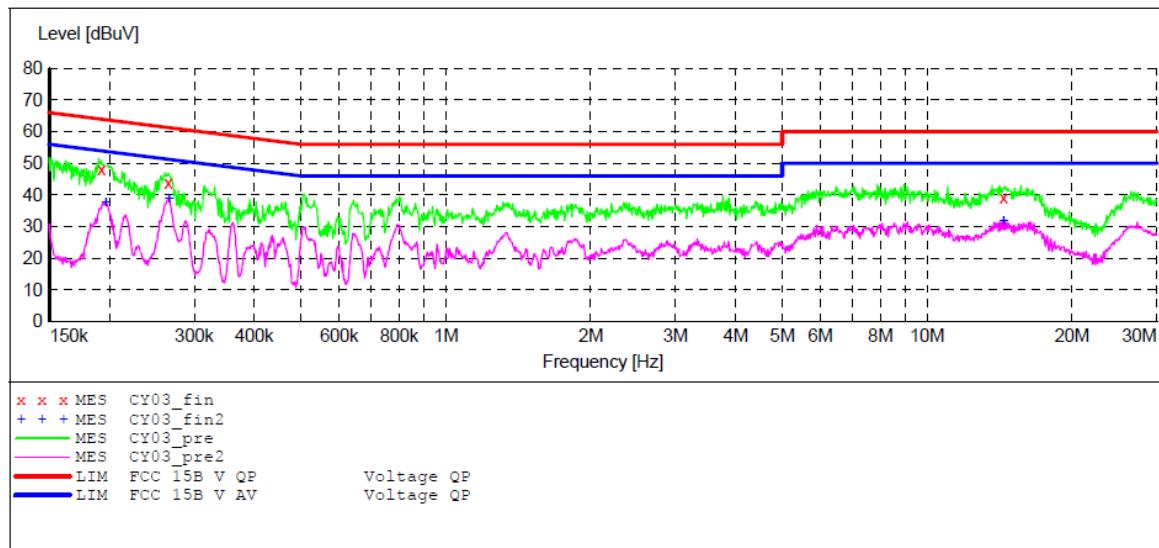
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: USB  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: L 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:12:57

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY03\_fin"**

| 2016-06-25 15:14 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.192340         | 48.10 | 11.9   | 64    | 15.8   | QP       | L1   | GND |
| 0.265014         | 44.00 | 11.9   | 61    | 17.3   | QP       | L1   | GND |
| 14.411633        | 39.00 | 12.0   | 60    | 21.0   | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY03\_fin2"**

| 2016-06-25 15:14 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.196415         | 37.60 | 11.9   | 54    | 16.2   | AV       | L1   | GND |
| 0.265809         | 38.60 | 11.9   | 51    | 12.6   | AV       | L1   | GND |
| 14.411633        | 31.70 | 12.0   | 50    | 18.3   | AV       | L1   | GND |

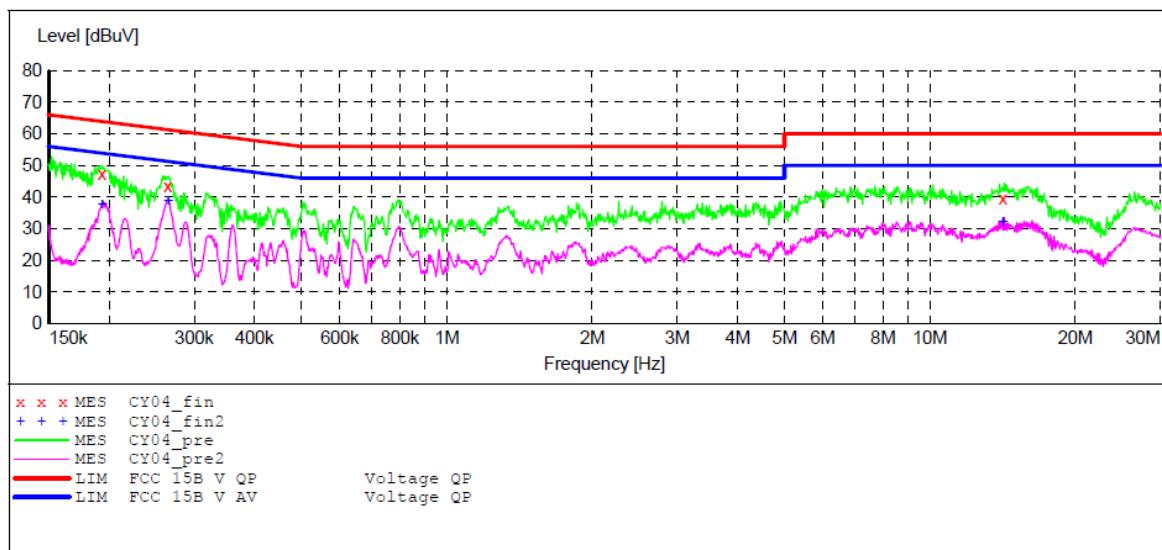
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: USB  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: N 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:14:59

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY04\_fin"**

| 2016-06-25 15:16 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.192917  | 47.20 | 11.9   | 64    | 16.7   | QP       | N    | GND |
|                  | 0.264221  | 43.40 | 11.9   | 61    | 17.9   | QP       | N    | GND |
|                  | 14.154925 | 39.60 | 12.0   | 60    | 20.4   | QP       | N    | GND |

**MEASUREMENT RESULT: "CY04\_fin2"**

| 2016-06-25 15:16 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.193495  | 37.40 | 11.9   | 54    | 16.5   | AV       | N    | GND |
|                  | 0.265014  | 38.90 | 11.9   | 51    | 12.4   | AV       | N    | GND |
|                  | 14.154925 | 32.20 | 12.0   | 50    | 17.8   | AV       | N    | GND |

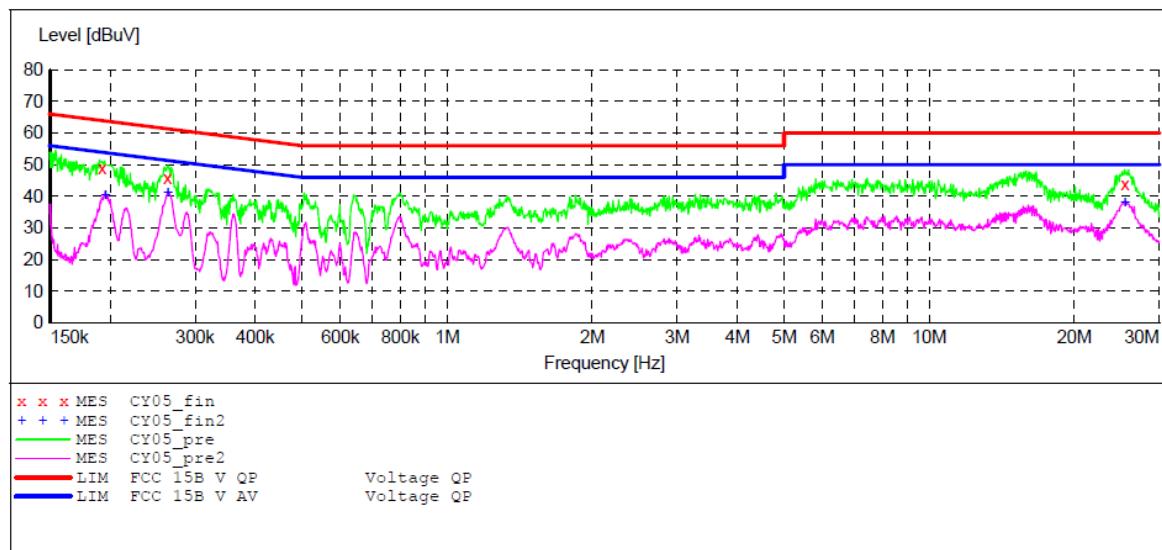
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: HDMI  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: N 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:21:03

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY05\_fin"**

| 2016-06-25 15:23 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.192340         | 48.90 | 11.9   | 64    | 15.0   | QP       | N    | GND |
| 0.262643         | 45.60 | 11.9   | 61    | 15.7   | QP       | N    | GND |
| 25.461879        | 43.90 | 12.0   | 60    | 16.1   | QP       | N    | GND |

**MEASUREMENT RESULT: "CY05\_fin2"**

| 2016-06-25 15:23 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.195242         | 40.30 | 11.9   | 54    | 13.5   | AV       | N    | GND |
| 0.263431         | 41.10 | 11.9   | 51    | 10.2   | AV       | N    | GND |
| 25.461879        | 37.90 | 12.0   | 50    | 12.1   | AV       | N    | GND |

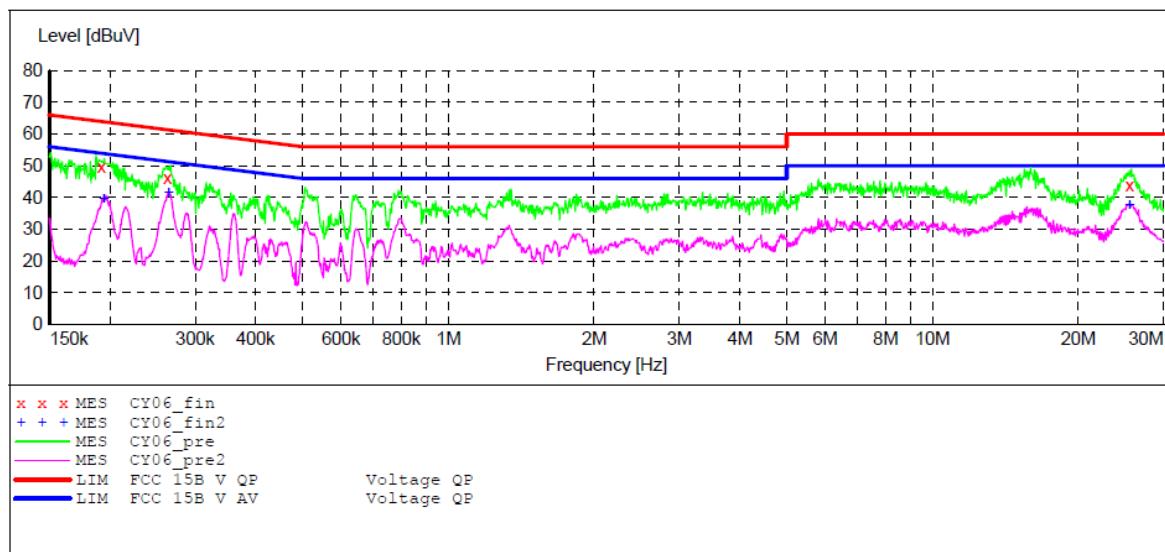
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: HDMI  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: L 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:25:40

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY06\_fin"**

| 2016-06-25 15:26 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.191764  | 49.50 | 11.9   | 64    | 14.5   | QP       | L1   | GND |
|                  | 0.262643  | 46.10 | 11.9   | 61    | 15.2   | QP       | L1   | GND |
|                  | 25.538265 | 43.60 | 12.0   | 60    | 16.4   | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY06\_fin2"**

| 2016-06-25 15:26 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.194076  | 39.70 | 11.9   | 54    | 14.2   | AV       | L1   | GND |
|                  | 0.264221  | 41.50 | 11.9   | 51    | 9.8    | AV       | L1   | GND |
|                  | 25.538265 | 37.70 | 12.0   | 50    | 12.3   | AV       | L1   | GND |

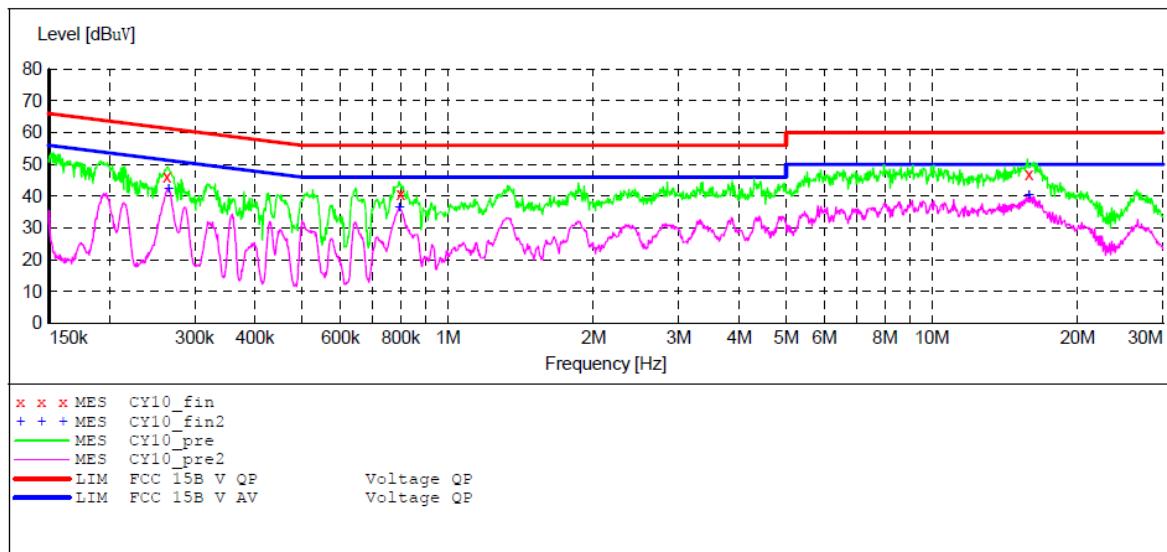
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: VGA  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: N 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:35:17

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY10\_fin"**

| 2016-06-25 15:36 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.262643  | 46.00 | 11.9   | 61    | 15.3   | QP       | N    | GND |
|                  | 0.798017  | 40.60 | 11.9   | 56    | 15.4   | QP       | N    | GND |
|                  | 15.861456 | 47.10 | 12.0   | 60    | 12.9   | QP       | N    | GND |

**MEASUREMENT RESULT: "CY10\_fin2"**

| 2016-06-25 15:36 | Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|------------------|-----------|-------|--------|-------|--------|----------|------|-----|
|                  | MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
|                  | 0.265014  | 42.40 | 11.9   | 51    | 8.9    | AV       | N    | GND |
|                  | 0.793250  | 36.40 | 11.9   | 46    | 9.6    | AV       | N    | GND |
|                  | 15.861456 | 40.20 | 12.0   | 50    | 9.8    | AV       | N    | GND |

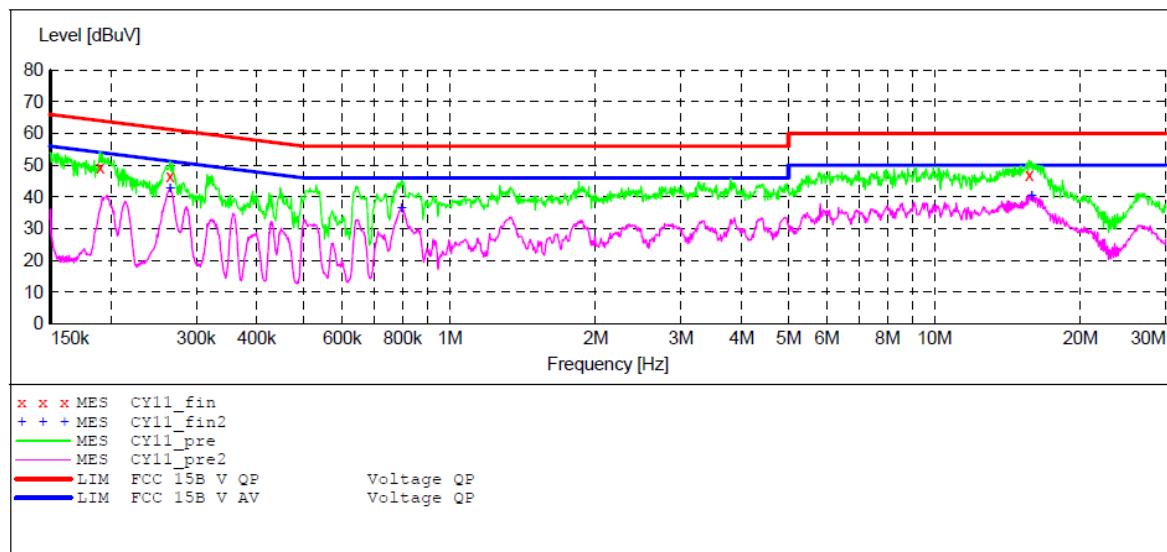
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: VGA  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: L 240V/60Hz  
Comment: Report No.:ATE20151180  
Start of Test: 2016-06-25 / 15:37:13

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY11\_fin"**

2016-06-25 15:38

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.190049         | 49.10         | 11.9         | 64            | 14.9         | QP       | L1   | GND |
| 0.265014         | 46.70         | 11.9         | 61            | 14.6         | QP       | L1   | GND |
| 15.672537        | 47.10         | 12.0         | 60            | 12.9         | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY11\_fin2"**

2016-06-25 15:38

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.60         | 11.9         | 51            | 8.7          | AV       | L1   | GND |
| 0.795630         | 36.20         | 11.9         | 46            | 9.8          | AV       | L1   | GND |
| 15.861456        | 40.40         | 12.0         | 50            | 9.6          | AV       | L1   | GND |

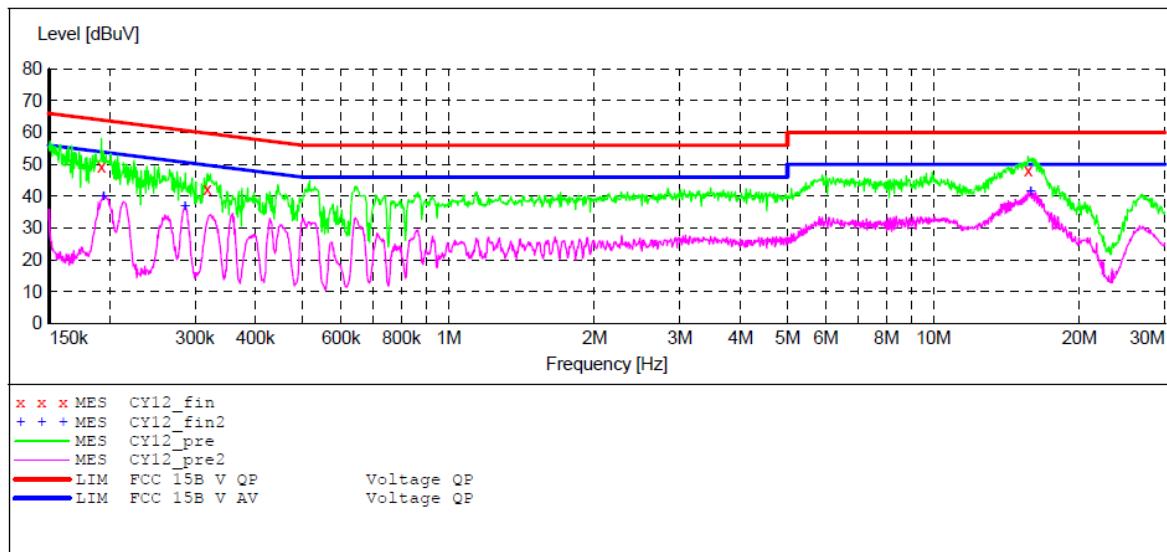
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: WAN IN  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: L 240V/60Hz  
Comment: Report No.:ATE20151180

**SCAN TABLE: "V 150K-30MHz fin"**

| Short Description:       |           | _SUB_STD_VTERM2 1.70 |           |       |        |
|--------------------------|-----------|----------------------|-----------|-------|--------|
| Start                    | Stop      | Step                 | Detector  | Meas. | IF     |
| Frequency                | Frequency | Width                |           | Time  | Bandw. |
| 150.0                    | 30.0      | 0.4 %                | QuasiPeak | 1.0 s | 9 kHz  |
| Transducer LISN(ESH3-Z5) |           |                      |           |       |        |
| Average                  |           |                      |           |       |        |

**MEASUREMENT RESULT: "CY12\_fin"**

2016-06-25 15:41

| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|-----------|-------|--------|-------|--------|----------|------|-----|
| MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.192340  | 49.20 | 11.9   | 64    | 14.7   | QP       | L1   | GND |
| 0.318145  | 42.10 | 12.0   | 60    | 17.7   | QP       | L1   | GND |
| 15.672537 | 48.30 | 12.0   | 60    | 11.7   | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY12\_fin2"**

2016-06-25 15:41

| Frequency | Level | Transd | Limit | Margin | Detector | Line | PE  |
|-----------|-------|--------|-------|--------|----------|------|-----|
| MHz       | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.194076  | 39.80 | 11.9   | 54    | 14.1   | AV       | L1   | GND |
| 0.285622  | 36.60 | 12.0   | 51    | 14.1   | AV       | L1   | GND |
| 15.861456 | 41.50 | 12.0   | 50    | 8.5    | AV       | L1   | GND |

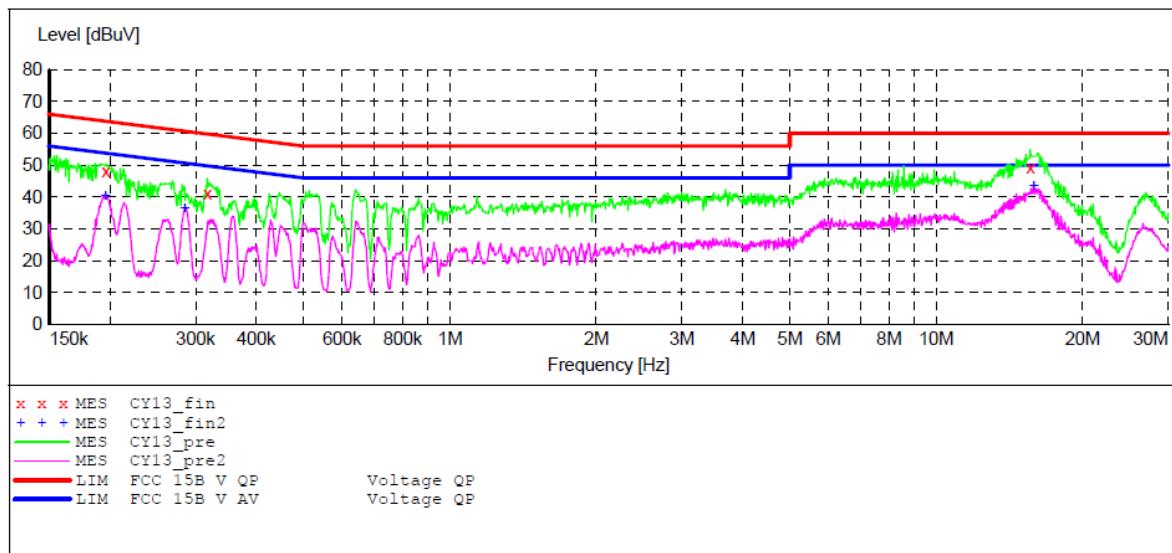
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: WAN IN  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: N 240V/60Hz  
Comment: Report No.:ATE20151180

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY13\_fin"**

2016-06-25 15:43

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.195828         | 48.10         | 11.9         | 64            | 15.7         | QP       | N    | GND |
| 0.317194         | 41.10         | 12.0         | 60            | 18.7         | QP       | N    | GND |
| 15.625660        | 49.20         | 12.0         | 60            | 10.8         | QP       | N    | GND |

**MEASUREMENT RESULT: "CY13\_fin2"**

2016-06-25 15:43

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.195828         | 40.30         | 11.9         | 54            | 13.5         | AV       | N    | GND |
| 0.284768         | 36.20         | 12.0         | 51            | 14.5         | AV       | N    | GND |
| 15.861456        | 43.50         | 12.0         | 50            | 6.5          | AV       | N    | GND |

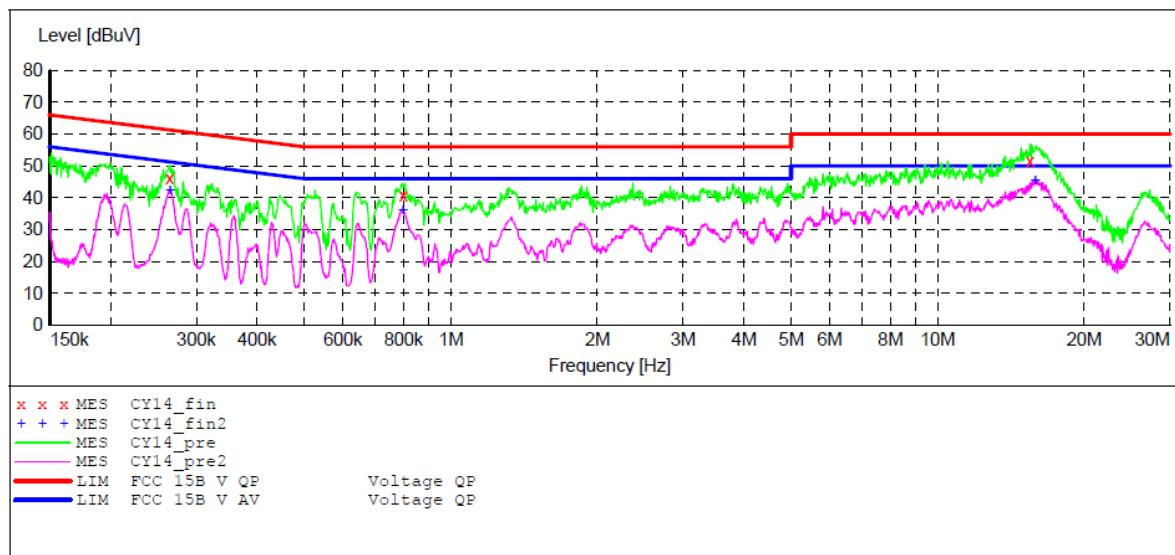
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: AV  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: N 240V/60Hz  
Comment: Report No.:ATE20151180

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY14\_fin"**

2016-06-25 15:47

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.264221         | 46.30         | 11.9         | 61            | 15.0         | QP       | N    | GND |
| 0.798017         | 40.60         | 11.9         | 56            | 15.4         | QP       | N    | GND |
| 15.485869        | 51.60         | 12.0         | 60            | 8.4          | QP       | N    | GND |

**MEASUREMENT RESULT: "CY14\_fin2"**

2016-06-25 15:47

| Frequency<br>MHz | Level<br>dBuV | Transd<br>dB | Limit<br>dBuV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.265014         | 42.40         | 11.9         | 51            | 8.9          | AV       | N    | GND |
| 0.798017         | 35.90         | 11.9         | 46            | 10.1         | AV       | N    | GND |
| 15.861456        | 45.50         | 12.0         | 50            | 4.5          | AV       | N    | GND |

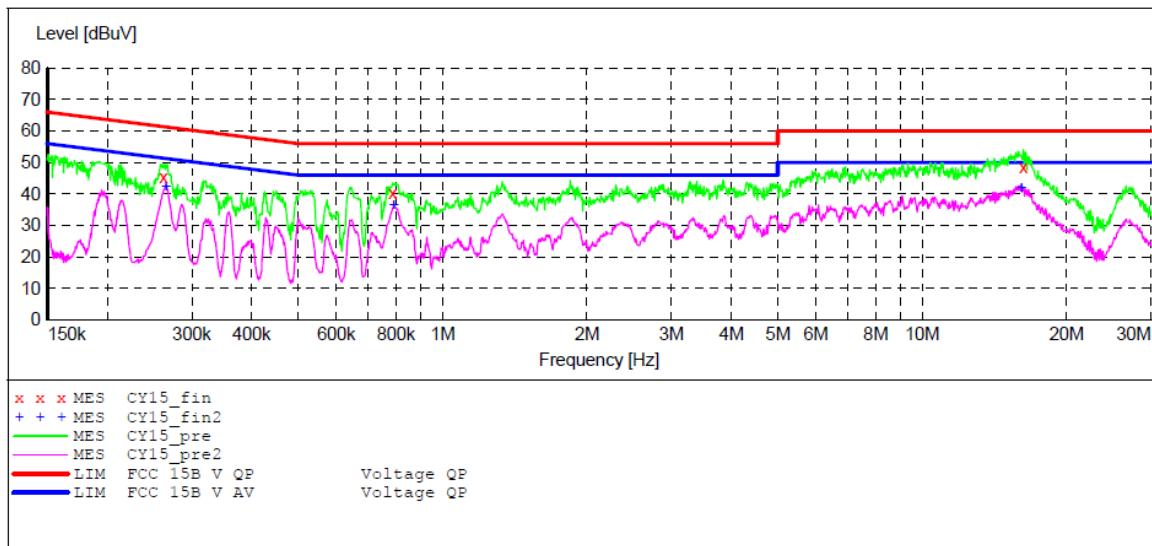
ACCURATE TECHNOLOGY CO., LTD

**CONDUCTED EMISSION STANDARD FCC PART 15B**

EUT: Interactive Flat Panel M/N:ST-650  
Manufacturer: Recordex  
Operating Condition: AV  
Test Site: 2#Shielding Room  
Operator: Star  
Test Specification: L 240V/60Hz  
Comment: Report No.:ATE20151180

**SCAN TABLE: "V 150K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)  
Average

**MEASUREMENT RESULT: "CY15\_fin"**

| 2016-06-25 15:49 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.261857         | 45.50 | 11.9   | 61    | 15.9   | QP       | L1   | GND |
| 0.786153         | 40.30 | 11.9   | 56    | 15.7   | QP       | L1   | GND |
| 16.246152        | 48.60 | 12.0   | 60    | 11.4   | QP       | L1   | GND |

**MEASUREMENT RESULT: "CY15\_fin2"**

| 2016-06-25 15:49 |       |        |       |        |          |      |     |
|------------------|-------|--------|-------|--------|----------|------|-----|
| Frequency        | Level | Transd | Limit | Margin | Detector | Line | PE  |
| MHz              | dBuV  | dB     | dBuV  | dB     |          |      |     |
| 0.265014         | 42.30 | 11.9   | 51    | 9.0    | AV       | L1   | GND |
| 0.790877         | 36.20 | 11.9   | 46    | 9.8    | AV       | L1   | GND |
| 16.100809        | 41.80 | 12.0   | 50    | 8.2    | AV       | L1   | GND |

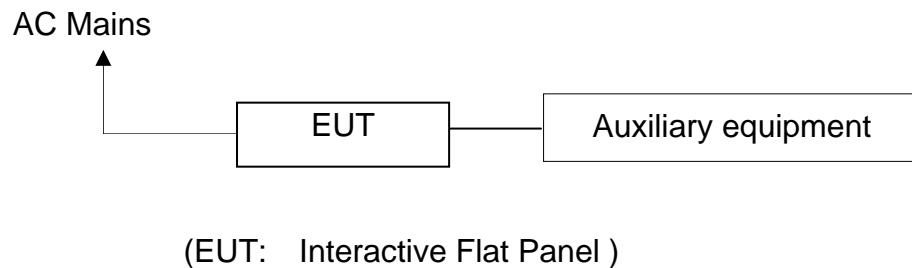
## 4. RADIATED EMISSION MEASUREMENT

### 4.1. For Radiated Emission Measurement

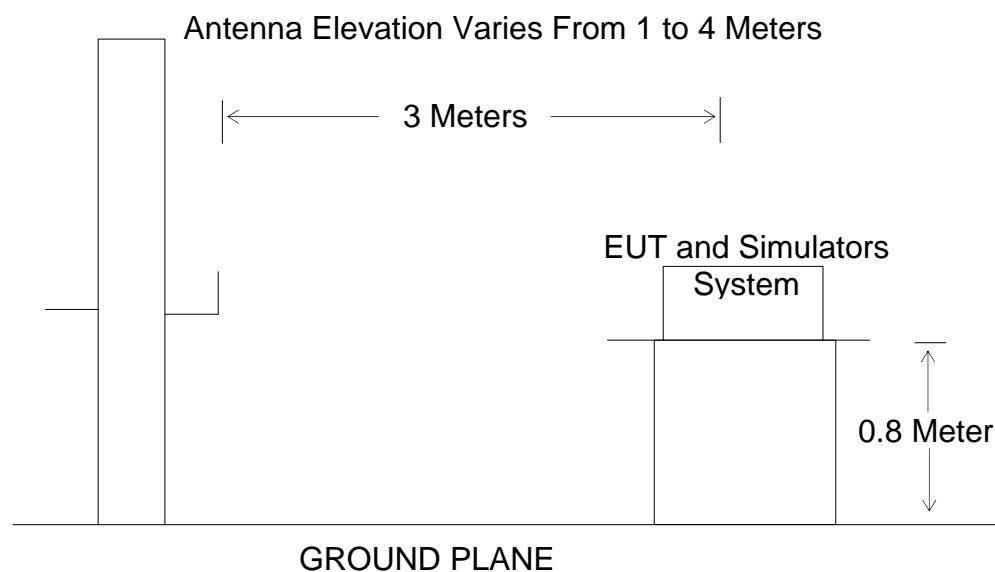
| Item | Equipment                        | Manufacturer         | Model No.                | Serial No. | Last Cal.    | Cal. Interval |
|------|----------------------------------|----------------------|--------------------------|------------|--------------|---------------|
| 1.   | Spectrum Analyzer                | Agilent              | E7405A                   | MY45115511 | Jan.10, 2015 | 1 Year        |
| 2.   | Spectrum Analyzer                | Rohde&Schwarz        | FSV40                    | 101495     | Jan.10, 2015 | 1 Year        |
| 3.   | Test Receiver                    | Rohde&Schwarz        | ESCS30                   | 100307     | Jan.10, 2015 | 1 Year        |
| 4.   | Test Receiver                    | Rohde & Schwarz      | ESPI                     | 100396/003 | Jan.10, 2015 | 1 Year        |
| 5.   | Test Receiver                    | Rohde & Schwarz      | ESPI                     | 101526/003 | Jan.10, 2015 | 1 Year        |
| 6.   | Test Receiver                    | Rohde & Schwarz      | ESR                      | 101817     | Jan.10, 2015 | 1 Year        |
| 7.   | Bilog Antenna                    | Schwarzbeck          | VULB9163                 | 9163-194   | Jan.15, 2015 | 1 Year        |
| 8.   | Bilog Antenna                    | Schwarzbeck          | VULB9163                 | 9163-323   | Jan.15, 2015 | 1 Year        |
| 9.   | Log.-Per.Antenna                 | Schwarzbeck          | VUSLP<br>9111B           | 9111B-074  | Jan.15, 2015 | 1 Year        |
| 10.  | Biconical Broad Band Antenna     | Schwarzbeck          | VHBB<br>9124+BBA<br>9106 | 9124-617   | Jan.15, 2015 | 1 Year        |
| 11.  | Loop Antenna                     | Schwarzbeck          | FMZB1516                 | 1516131    | Jan.15, 2015 | 1 Year        |
| 12.  | Horn Antenna                     | Schwarzbeck          | BBHA9120D                | 9120D-655  | Jan.15, 2015 | 1 Year        |
| 13.  | Horn Antenna                     | Schwarzbeck          | BBHA9120D                | 9120D-1067 | Jan.15, 2015 | 1 Year        |
| 14.  | Vertical Active Monopole Antenna | Schwarzbeck          | VAMP 9243                | 9243-370   | Jan.15, 2015 | 1 Year        |
| 15.  | RF Switching Unit+PreAMP         | Compliance Direction | RSU-M2                   | 38322      | Jan.10, 2015 | 1 Year        |
| 16.  | Pre-Amplifier                    | Agilent              | 8447D                    | 294A10619  | Jan.10, 2015 | 1 Year        |
| 17.  | Pre-Amplifier                    | Rohde&Schwarz        | CBLU11835<br>40-01       | 3791       | Jan.10, 2015 | 1 Year        |
| 18.  | 50 Coaxial Switch                | Anritsu Corp         | MP59B                    | 6200237248 | Jan.10, 2015 | 1 Year        |
| 19.  | 50 Coaxial Switch                | Anritsu Corp         | MP59B                    | 6200506474 | Jan.10, 2015 | 1 Year        |
| 20.  | RF Coaxial Cable                 | Schwarzbeck          | N-5m                     | No.1       | Jan.10, 2015 | 1 Year        |
| 21.  | RF Coaxial Cable                 | Schwarzbeck          | N-1m                     | No.6       | Jan.10, 2015 | 1 Year        |
| 22.  | RF Coaxial Cable                 | Schwarzbeck          | N-1m                     | No.7       | Jan.10, 2015 | 1 Year        |
| 23.  | RF Coaxial Cable                 | SUHNER               | N-3m                     | No.8       | Jan.10, 2015 | 1 Year        |
| 24.  | RF Coaxial Cable                 | RESENBERGER          | N-3.5m                   | No.9       | Jan.10, 2015 | 1 Year        |
| 25.  | RF Coaxial Cable                 | SUHNER               | N-6m                     | No.10      | Jan.10, 2015 | 1 Year        |
| 26.  | RF Coaxial Cable                 | RESENBERGER          | N-12m                    | No.11      | Jan.10, 2015 | 1 Year        |
| 27.  | RF Coaxial Cable                 | RESENBERGER          | N-0.5m                   | No.12      | Jan.10, 2015 | 1 Year        |
| 28.  | RF Coaxial Cable                 | SUHNER               | N-2m                     | No.13      | Jan.10, 2015 | 1 Year        |
| 29.  | RF Coaxial Cable                 | SUHNER               | N-0.5m                   | No.15      | Jan.10, 2015 | 1 Year        |
| 30.  | RF Coaxial Cable                 | SUHNER               | N-2m                     | No.16      | Jan.10, 2015 | 1 Year        |
| 31.  | RF Coaxial Cable                 | RESENBERGER          | N-6m                     | No.17      | Jan.10, 2015 | 1 Year        |

## 4.2. Block Diagram of Test Setup

### 4.2.1. Block diagram of connection between the EUT and simulators



### 4.2.2. Anechoic Chamber Test Setup Diagram



## 4.3. Radiated Emission Limit (Class B)

| Frequency<br>MHz | Distance<br>Meters | Field Strengths Limit |                            |
|------------------|--------------------|-----------------------|----------------------------|
|                  |                    | $\mu\text{V/m}$       | $\text{dB}(\mu\text{V/m})$ |
| 30-88            | 3                  | 100                   | 40.0                       |
| 88-216           | 3                  | 150                   | 43.5                       |
| 216-960          | 3                  | 200                   | 46.0                       |
| 960-1000         | 3                  | 500                   | 54.0                       |

Remark: (1) Emission level dB ( $\mu\text{V}$ ) = 20 log Emission level  $\mu\text{V/m}$ .  
(2) The smaller limit shall apply at the cross point between two frequency bands.  
(3) Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.

#### 4.4.EUT Configuration on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

##### 4.4.1. Interactive Flat Panel (EUT)

Model Number: ST-650U

Serial Number: N/A

Manufacturer: Recordex USA, Inc.

#### 4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.2.

4.5.2.Turn on the power of all equipment.

4.5.3.Let the EUT work in test mode (AV, USB, HDMI, VGA, WAN) and measure it.

#### 4.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4 : 2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz from 30MHz to 1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

#### 4.7.Radiated Emission Noise Measurement Result

**PASS.**

Model Number: ST-650U

Test mode: USB

|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector   |
|------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|------------|
|            |     |                |                     |                |                    |                   |                | Horizontal |
| Horizontal | 1   | 77.4680        | 53.10               | -21.50         | 31.60              | 40.00             | -8.40          | QP         |
|            | 2   | 114.8224       | 61.21               | -22.34         | 38.87              | 43.50             | -4.63          | QP         |
|            | 3   | 385.8981       | 55.23               | -15.76         | 39.47              | 46.00             | -6.53          | QP         |
|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector   |
|            |     |                |                     |                |                    |                   |                | Vertical   |
| Vertical   | 1   | 75.8520        | 56.26               | -21.59         | 34.67              | 40.00             | -5.33          | QP         |
|            | 2   | 117.6814       | 62.19               | -22.45         | 39.74              | 43.50             | -3.76          | QP         |
|            | 3   | 381.8519       | 59.52               | -15.78         | 43.74              | 46.00             | -2.26          | QP         |
| Above 1G   |     |                |                     |                |                    |                   |                |            |
|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector   |
|            |     |                |                     |                |                    |                   |                | Horizontal |
| Horizontal | 1   | 1165.580       | 64.34               | -10.79         | 53.55              | 74.00             | -20.45         | peak       |
|            | 2   | 1165.580       | 57.30               | -10.79         | 46.51              | 54.00             | -7.49          | AVG        |
|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector   |
|            |     |                |                     |                |                    |                   |                | Vertical   |
| Vertical   | 1   | 1165.580       | 61.31               | -10.79         | 50.52              | 74.00             | -23.48         | peak       |
|            | 2   | 1165.580       | 54.67               | -10.79         | 43.88              | 54.00             | -10.12         | AVG        |

Model Number: ST-650U  
 Test mode: AV

|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Horizontal | 1   | 117.6814       | 62.06               | -22.45         | 39.61              | 43.50             | -3.89          | QP       |
|            | 2   | 168.4043       | 61.82               | -21.96         | 39.86              | 43.50             | -3.64          | QP       |
|            | 3   | 784.7128       | 45.35               | -8.02          | 37.33              | 46.00             | -8.67          | QP       |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 32.4109        | 54.02               | -17.14         | 36.88              | 40.00             | -3.12          | QP       |
|            | 2   | 75.5859        | 56.33               | -21.60         | 34.73              | 40.00             | -5.27          | QP       |
|            | 3   | 117.6815       | 60.15               | -22.45         | 37.70              | 43.50             | -5.80          | QP       |
| Above 1G   |     |                |                     |                |                    |                   |                |          |
| Horizontal | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1178.255       | 63.41               | -10.75         | 52.66              | 74.00             | -21.34         | peak     |
|            | 2   | 1178.255       | 57.10               | -10.75         | 46.35              | 54.00             | -7.65          | AVG      |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1191.067       | 63.62               | -10.71         | 52.91              | 74.00             | -21.09         | peak     |
|            | 2   | 1191.067       | 56.70               | -10.71         | 45.99              | 54.00             | -8.01          | AVG      |

Model Number: ST-650U

Test mode: HDMI

|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Horizontal | 1   | 117.6814       | 60.41               | -22.45         | 37.96              | 43.50             | -5.54          | QP       |
|            | 2   | 354.6911       | 54.31               | -16.09         | 38.22              | 46.00             | -7.78          | QP       |
|            | 3   | 741.8155       | 49.42               | -8.79          | 40.63              | 46.00             | -5.37          | QP       |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 75.8520        | 55.30               | -21.59         | 33.71              | 40.00             | -6.29          | QP       |
|            | 2   | 117.6814       | 63.81               | -22.45         | 41.36              | 43.50             | -2.14          | QP       |
|            | 3   | 739.2136       | 49.81               | -8.85          | 40.96              | 46.00             | -5.04          | QP       |
| Above 1G   |     |                |                     |                |                    |                   |                |          |
| Horizontal | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1029.261       | 66.89               | -11.20         | 55.69              | 74.00             | -18.31         | peak     |
|            | 2   | 1029.261       | 56.37               | -11.20         | 45.17              | 54.00             | -8.83          | Avg      |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 2371.288       | 55.09               | -6.35          | 48.74              | 74.00             | -25.26         | peak     |
|            | 2   | 2371.288       | 46.21               | -6.35          | 39.86              | 54.00             | -14.14         | Avg      |

Model Number: ST-650U

Test mode: VGA

|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Horizontal | 1   | 114.8224       | 62.84               | -22.34         | 40.50              | 43.50             | -3.00          | QP       |
|            | 2   | 166.6383       | 63.55               | -22.15         | 41.40              | 43.50             | -2.10          | QP       |
|            | 3   | 771.0475       | 49.67               | -8.26          | 41.41              | 46.00             | -4.59          | QP       |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 31.4021        | 54.10               | -16.99         | 37.11              | 40.00             | -2.89          | QP       |
|            | 2   | 114.4197       | 63.33               | -22.32         | 41.01              | 43.50             | -2.49          | QP       |
|            | 3   | 176.8951       | 62.53               | -22.14         | 40.39              | 43.50             | -3.11          | QP       |
| Above 1G   |     |                |                     |                |                    |                   |                |          |
| Horizontal | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1157.206       | 63.52               | -10.82         | 52.70              | 74.00             | -21.30         | peak     |
|            | 2   | 1157.206       | 56.97               | -10.82         | 46.15              | 54.00             | -7.85          | AVG      |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1023.710       | 66.71               | -11.22         | 55.49              | 74.00             | -18.51         | peak     |
|            | 2   | 1023.710       | 59.70               | -11.22         | 48.48              | 54.00             | -5.52          | AVG      |

Model Number: ST-650U  
 Test mode: WAN IN

|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|------------|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|
| Horizontal | 1   | 114.8224       | 60.45               | -22.34         | 38.11              | 43.50             | -5.39          | QP       |
|            | 2   | 146.8392       | 62.00               | -23.75         | 38.25              | 43.50             | -5.25          | QP       |
|            | 3   | 173.2050       | 60.80               | -22.13         | 38.67              | 43.50             | -4.83          | QP       |
| Vertical   | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 31.8464        | 52.97               | -17.06         | 35.91              | 40.00             | -4.09          | QP       |
|            | 2   | 75.3208        | 57.36               | -21.61         | 35.75              | 40.00             | -4.25          | QP       |
| Above 1G   | 3   | 117.6814       | 60.00               | -22.45         | 37.55              | 43.50             | -5.95          | QP       |
|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1348.816       | 61.84               | -10.21         | 51.63              | 74.00             | -22.37         | peak     |
| Vertical   | 2   | 1348.816       | 54.10               | -10.21         | 43.89              | 54.00             | -10.11         | Avg      |
|            | No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector |
|            | 1   | 1186.781       | 66.29               | -10.73         | 55.56              | 74.00             | -18.44         | peak     |
| Above 1G   | 2   | 1186.781       | 59.10               | -10.73         | 48.37              | 54.00             | -5.63          | Avg      |

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #780

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 13/49/12

EUT: Interactive Flat Panel

Engineer Signature:

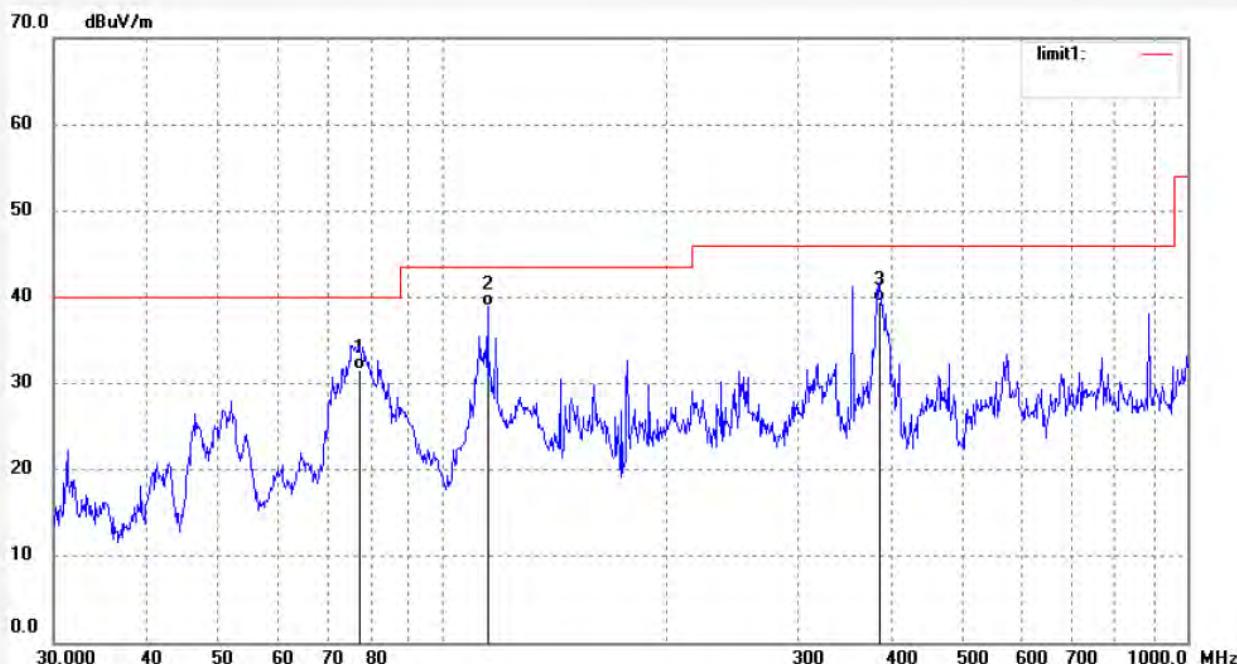
Mode: USB Playing

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 77.4680        | 53.10               | -21.50         | 31.60              | 40.00             | -8.40          | QP       |                |                  |        |
| 2   | 114.8224       | 61.21               | -22.34         | 38.87              | 43.50             | -4.63          | QP       |                |                  |        |
| 3   | 385.8981       | 55.23               | -15.76         | 39.47              | 46.00             | -6.53          | QP       |                |                  |        |

Job No.: STAR2015 #781

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 13/53/11

EUT: Interactive Flat Panel

Engineer Signature:

Mode: USB Playing

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 75.8520        | 56.26               | -21.59         | 34.67              | 40.00             | -5.33          | QP       |                |                  |        |
| 2   | 117.6814       | 62.19               | -22.45         | 39.74              | 43.50             | -3.76          | QP       |                |                  |        |
| 3   | 381.8519       | 59.52               | -15.78         | 43.74              | 46.00             | -2.26          | QP       |                |                  |        |

Job No.: STAR2015 #782

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 13/58/38

EUT: Interactive Flat Panel

Engineer Signature:

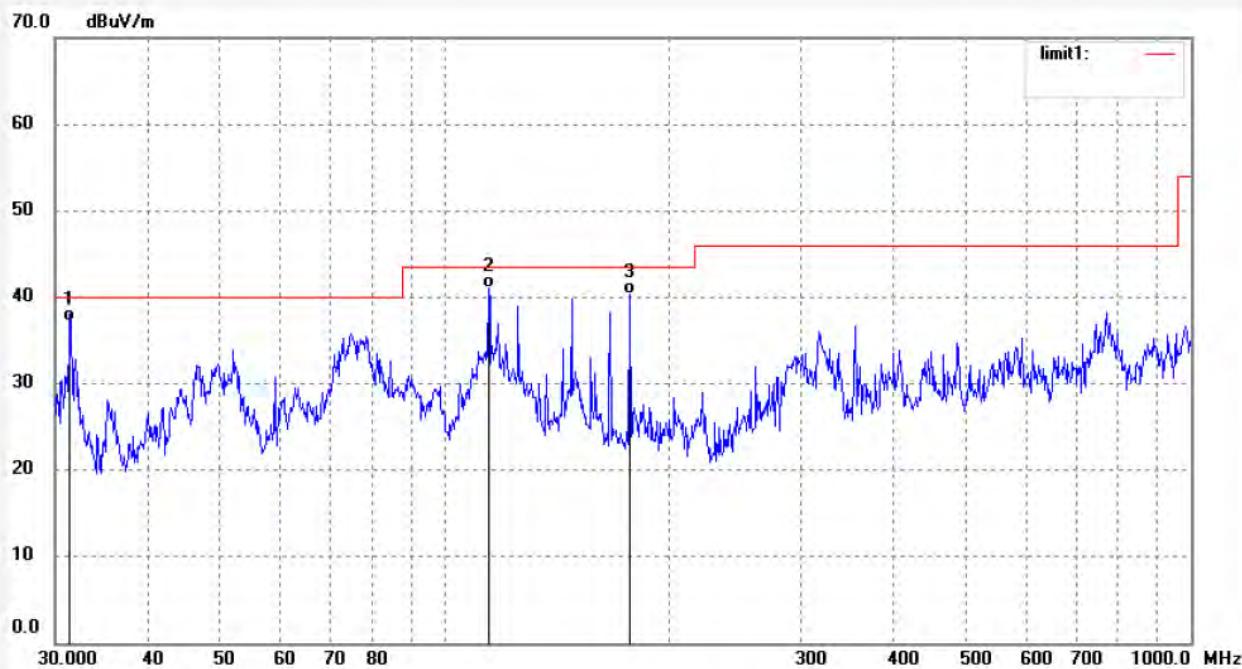
Mode: VGA

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 31.4021        | 54.10               | -16.99         | 37.11              | 40.00             | -2.89          | QP       |                |                  |        |
| 2   | 114.4197       | 63.33               | -22.32         | 41.01              | 43.50             | -2.49          | QP       |                |                  |        |
| 3   | 176.8951       | 62.53               | -22.14         | 40.39              | 43.50             | -3.11          | QP       |                |                  |        |

Job No.: STAR2015 #783

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/03/43

EUT: Interactive Flat Panel

Engineer Signature:

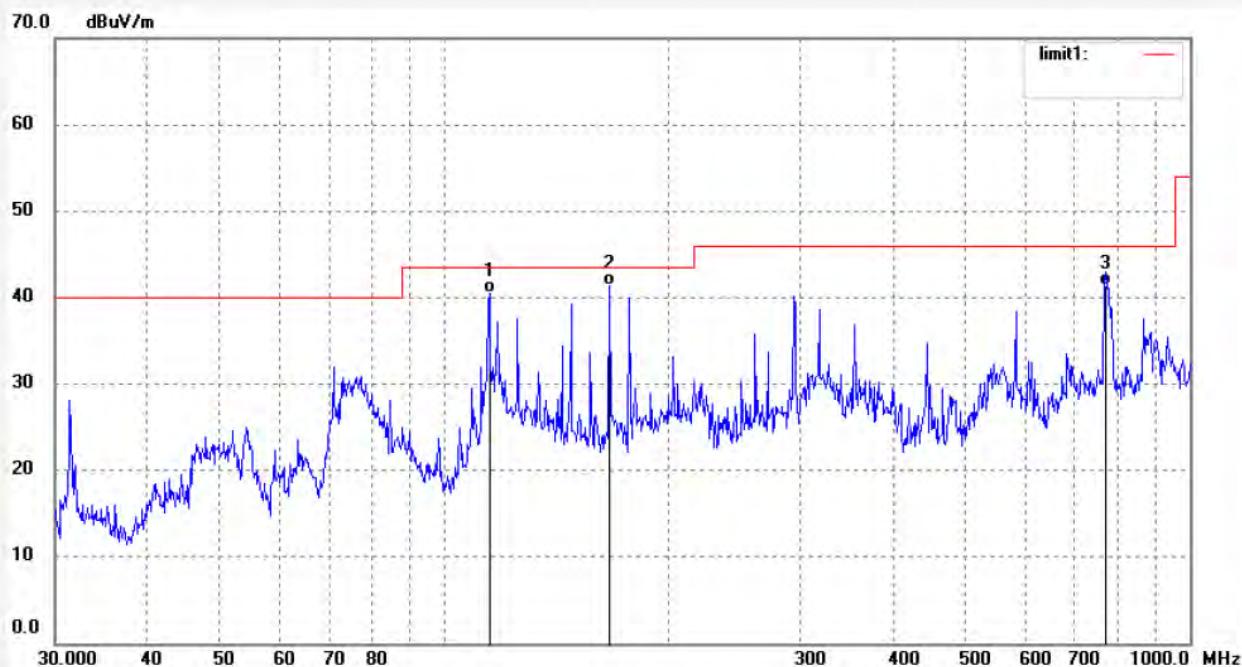
Mode: VGA

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 114.8224       | 62.84               | -22.34         | 40.50              | 43.50             | -3.00          | QP       |                |                  |        |
| 2   | 166.6383       | 63.55               | -22.15         | 41.40              | 43.50             | -2.10          | QP       |                |                  |        |
| 3   | 771.0475       | 49.67               | -8.26          | 41.41              | 46.00             | -4.59          | QP       |                |                  |        |

## ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A.Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #784

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/07/27

EUT: Interactive Flat Panel

Engineer Signature:

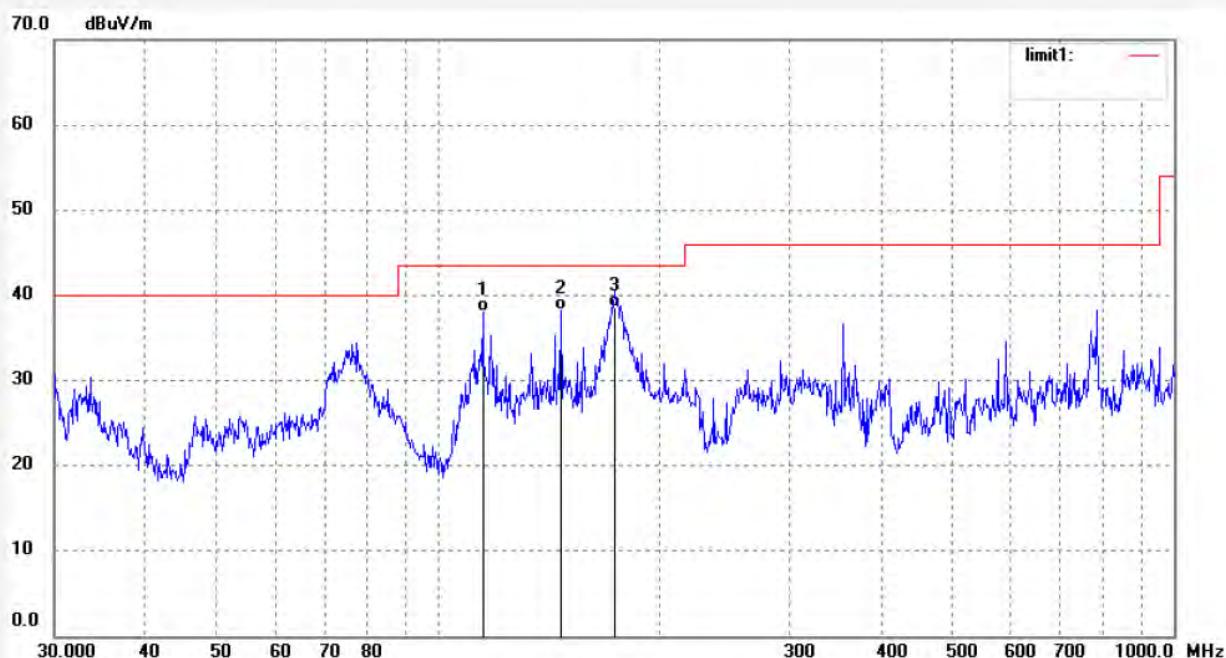
Mode: WAN IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 114.8224       | 60.45               | -22.34         | 38.11              | 43.50             | -5.39          | QP       |                |                  |        |
| 2   | 146.8392       | 62.00               | -23.75         | 38.25              | 43.50             | -5.25          | QP       |                |                  |        |
| 3   | 173.2050       | 60.80               | -22.13         | 38.67              | 43.50             | -4.83          | QP       |                |                  |        |



## ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #785

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/11/25

EUT: Interactive Flat Panel

Engineer Signature:

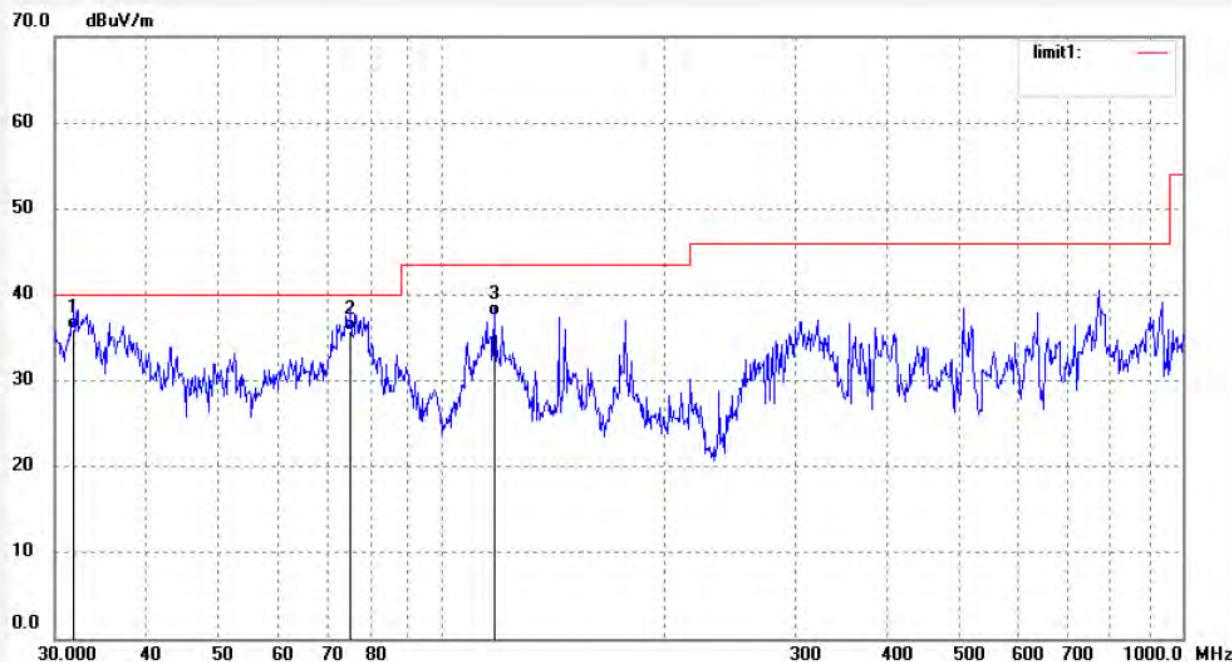
Mode: WAN IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 31.8464        | 52.97               | -17.06         | 35.91              | 40.00             | -4.09          | QP       |                |                  |        |
| 2   | 75.3208        | 57.36               | -21.61         | 35.75              | 40.00             | -4.25          | QP       |                |                  |        |
| 3   | 117.6814       | 60.00               | -22.45         | 37.55              | 43.50             | -5.95          | QP       |                |                  |        |

Job No.: STAR2015 #786

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/15/24

EUT: Interactive Flat Panel

Engineer Signature:

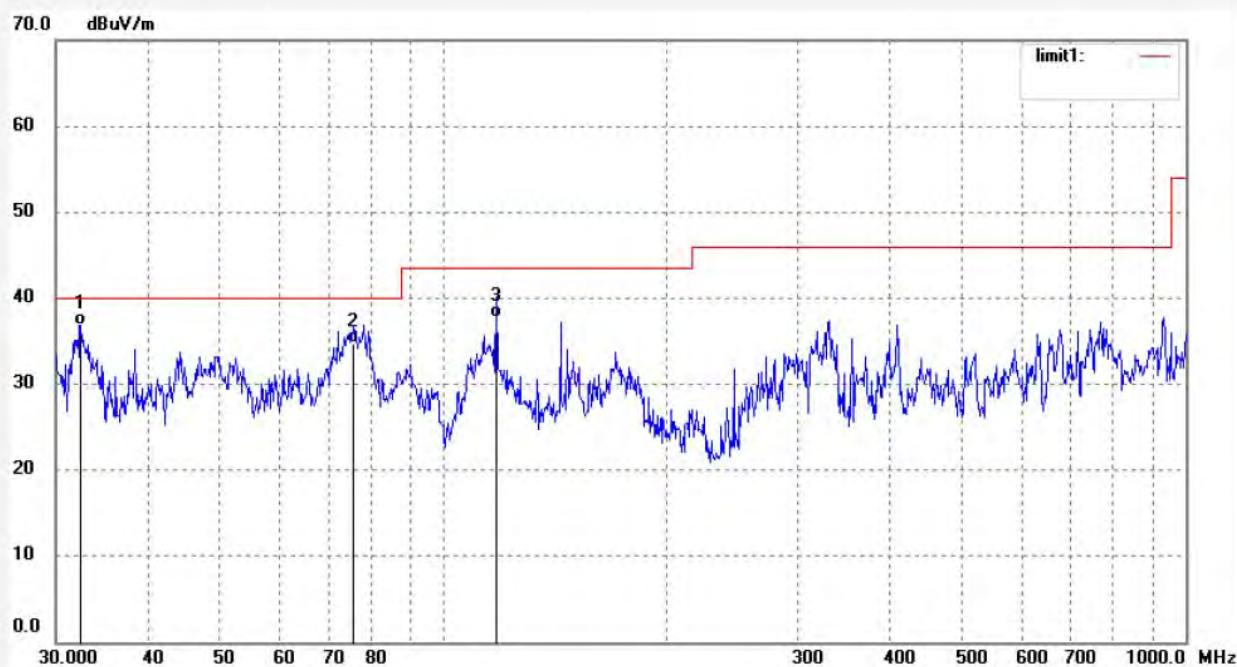
Mode: AV IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 32.4109     | 54.02            | -17.14      | 36.88           | 40.00          | -3.12       | QP       |             |               |        |
| 2   | 75.5859     | 56.33            | -21.60      | 34.73           | 40.00          | -5.27       | QP       |             |               |        |
| 3   | 117.6815    | 60.15            | -22.45      | 37.70           | 43.50          | -5.80       | QP       |             |               |        |

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #787

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp. ( C)/Hum.(%) 25 C / 55 %

Time: 14/18/41

EUT: Interactive Flat Panel

Engineer Signature:

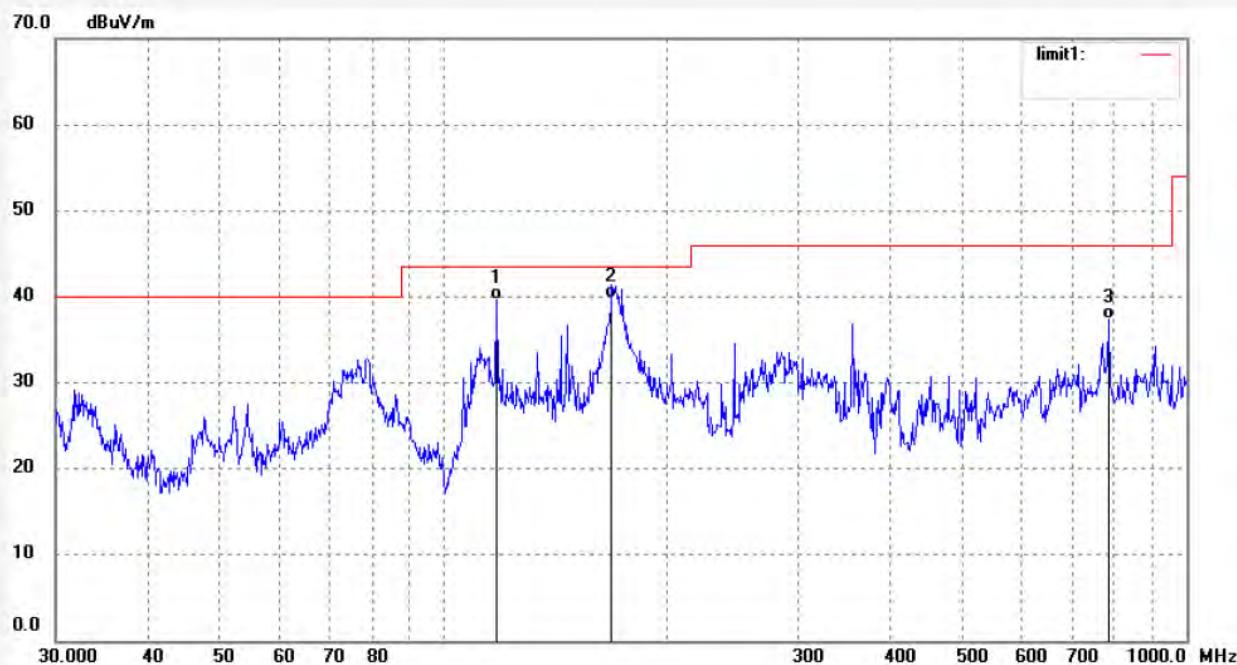
Mode: AV IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 117.6814    | 62.06            | -22.45      | 39.61           | 43.50          | -3.89       | QP       |             |               |        |
| 2   | 168.4043    | 61.82            | -21.96      | 39.86           | 43.50          | -3.64       | QP       |             |               |        |
| 3   | 784.7128    | 45.35            | -8.02       | 37.33           | 46.00          | -8.67       | QP       |             |               |        |

Job No.: STAR2015 #788

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/22/38

EUT: Interactive Flat Panel

Engineer Signature:

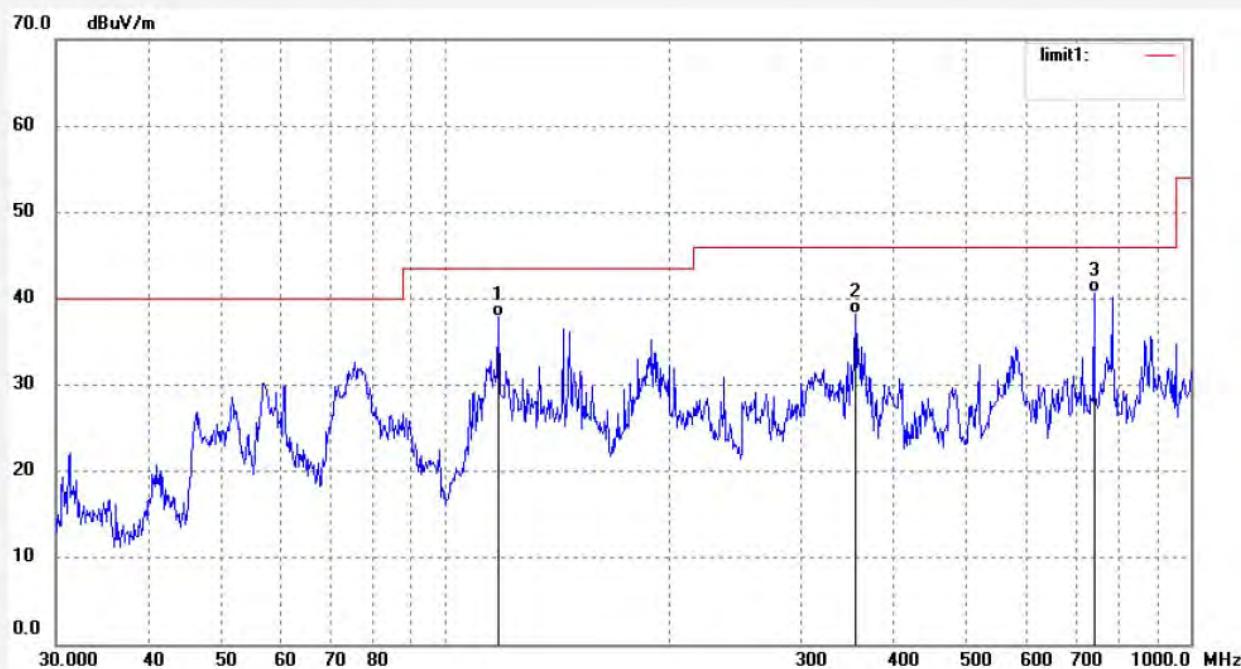
Mode: HDMI IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 117.6814       | 60.41               | -22.45         | 37.96              | 43.50             | -5.54          | QP       |                |                  |        |
| 2   | 354.6911       | 54.31               | -16.09         | 38.22              | 46.00             | -7.78          | QP       |                |                  |        |
| 3   | 741.8155       | 49.42               | -8.79          | 40.63              | 46.00             | -5.37          | QP       |                |                  |        |

Job No.: STAR2015 #789

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/26/27

EUT: Interactive Flat Panel

Engineer Signature:

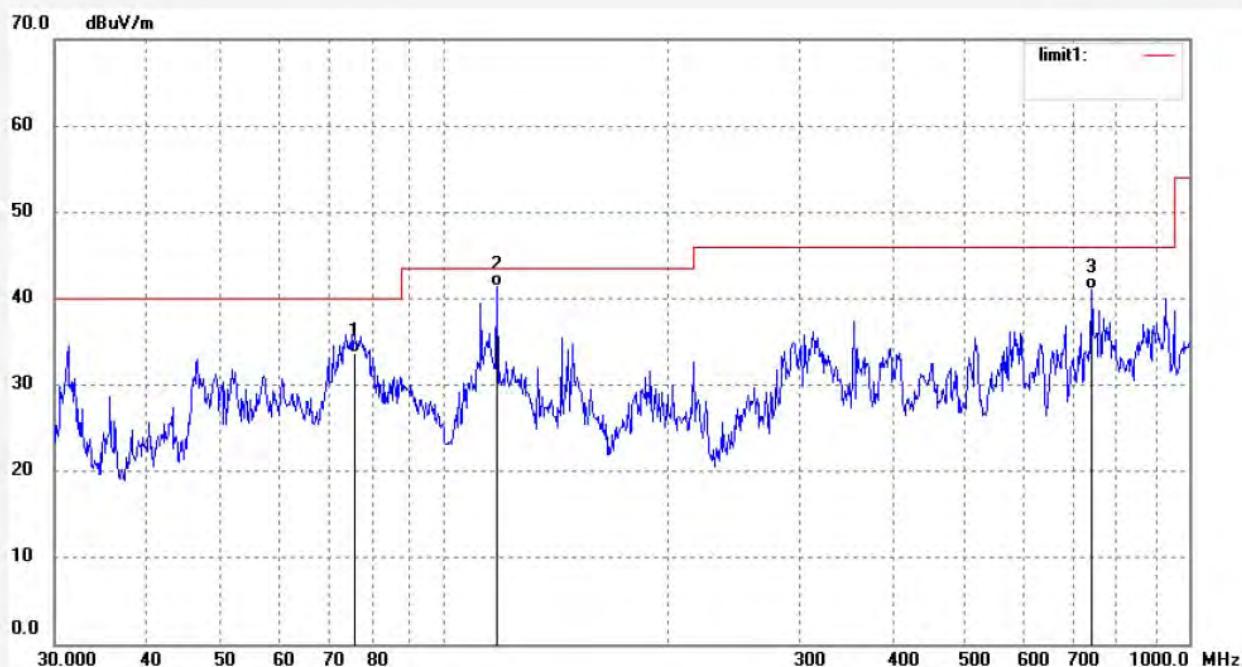
Mode: HDMI IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 75.8520        | 55.30               | -21.59         | 33.71              | 40.00             | -6.29          | QP       |                |                  |        |
| 2   | 117.6814       | 63.81               | -22.45         | 41.36              | 43.50             | -2.14          | QP       |                |                  |        |
| 3   | 739.2136       | 49.81               | -8.85          | 40.96              | 46.00             | -5.04          | QP       |                |                  |        |

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #790

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/40/31

EUT: Interactive Flat Panel

Engineer Signature:

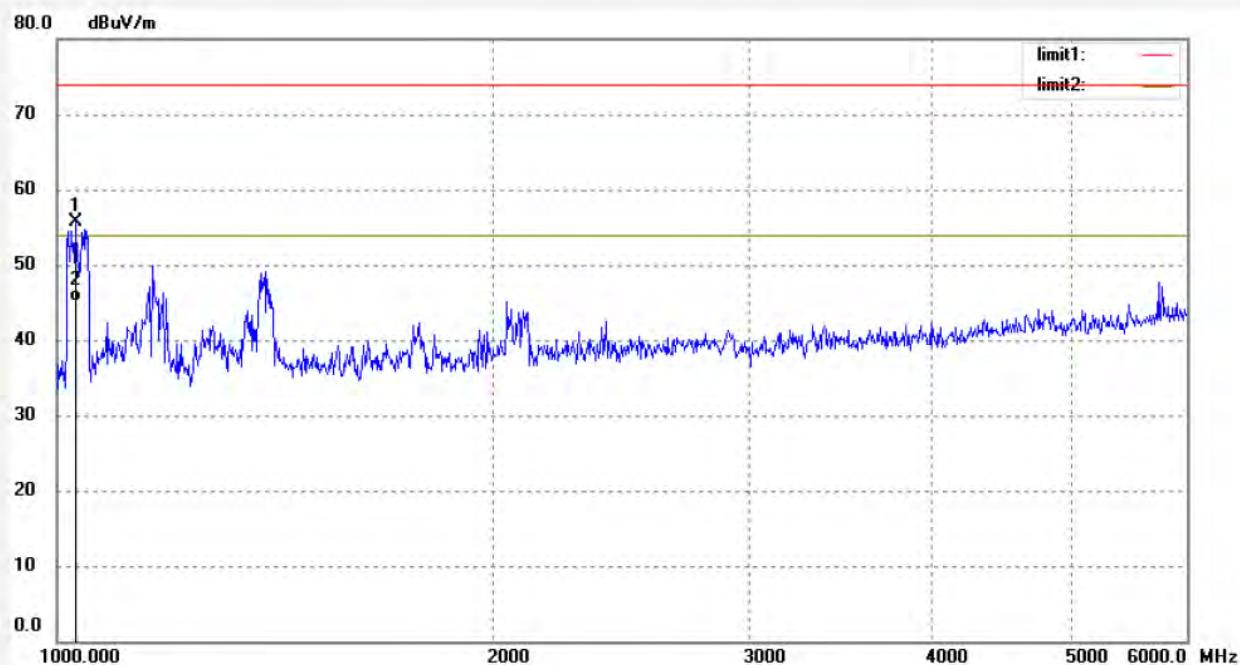
Mode: HDMI IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180

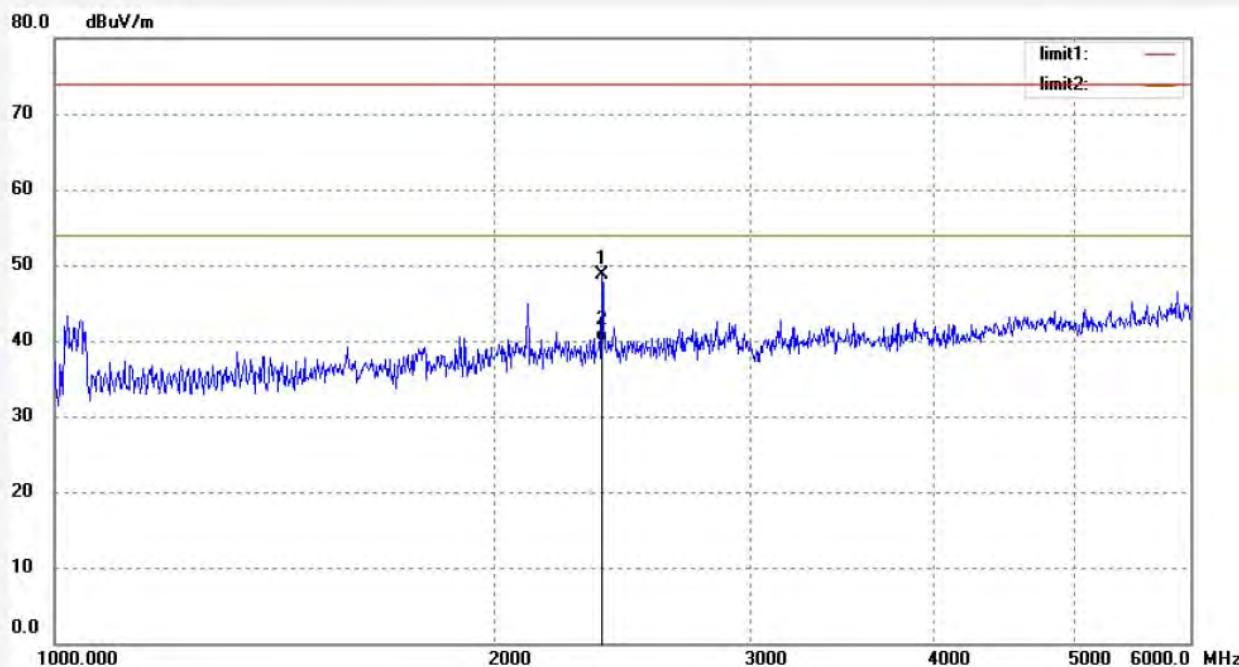


| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1029.261       | 66.89               | -11.20         | 55.69              | 74.00             | -18.31         | peak     |                |                  |        |
| 2   | 1029.261       | 56.37               | -11.20         | 45.17              | 54.00             | -8.83          | AVG      |                |                  |        |

Job No.: STAR2015 #791  
 Standard: FCC PK  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 25 C / 55 %  
 EUT: Interactive Flat Panel  
 Mode: HDMI IN  
 Model: ST-650  
 Manufacturer: Recordex

Polarization: Vertical  
 Power Source: AC 120V/60Hz  
 Date: 15/06/05/  
 Time: 14:45:26  
 Engineer Signature:  
 Distance: 3m

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 2371.288       | 55.09               | -6.35          | 48.74              | 74.00             | -25.26         | peak     |                |                  |        |
| 2   | 2371.288       | 46.21               | -6.35          | 39.86              | 54.00             | -14.14         | AVG      |                |                  |        |

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #792

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14:49:48

EUT: Interactive Flat Panel

Engineer Signature:

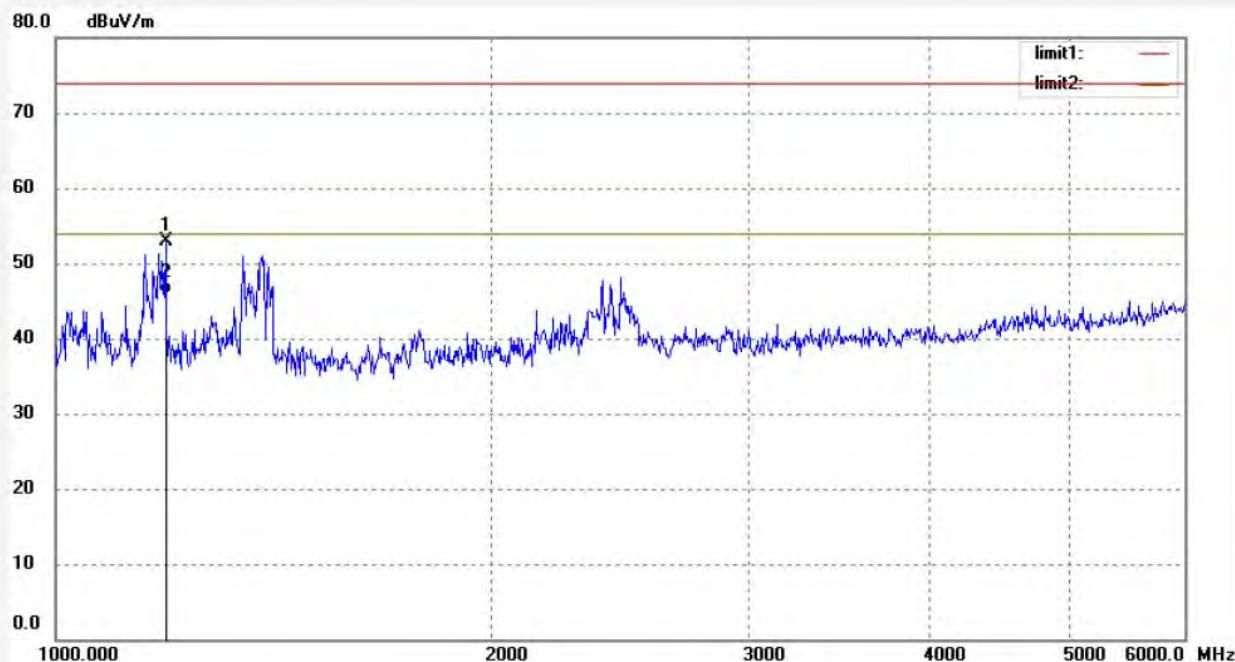
Mode: AV IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1191.067       | 63.62               | -10.71         | 52.91              | 74.00             | -21.09         | peak     |                |                  |        |
| 2   | 1191.067       | 56.70               | -10.71         | 45.99              | 54.00             | -8.01          | AVG      |                |                  |        |

Job No.: STAR2015 #793

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14/53/37

EUT: Interactive Flat Panel

Engineer Signature:

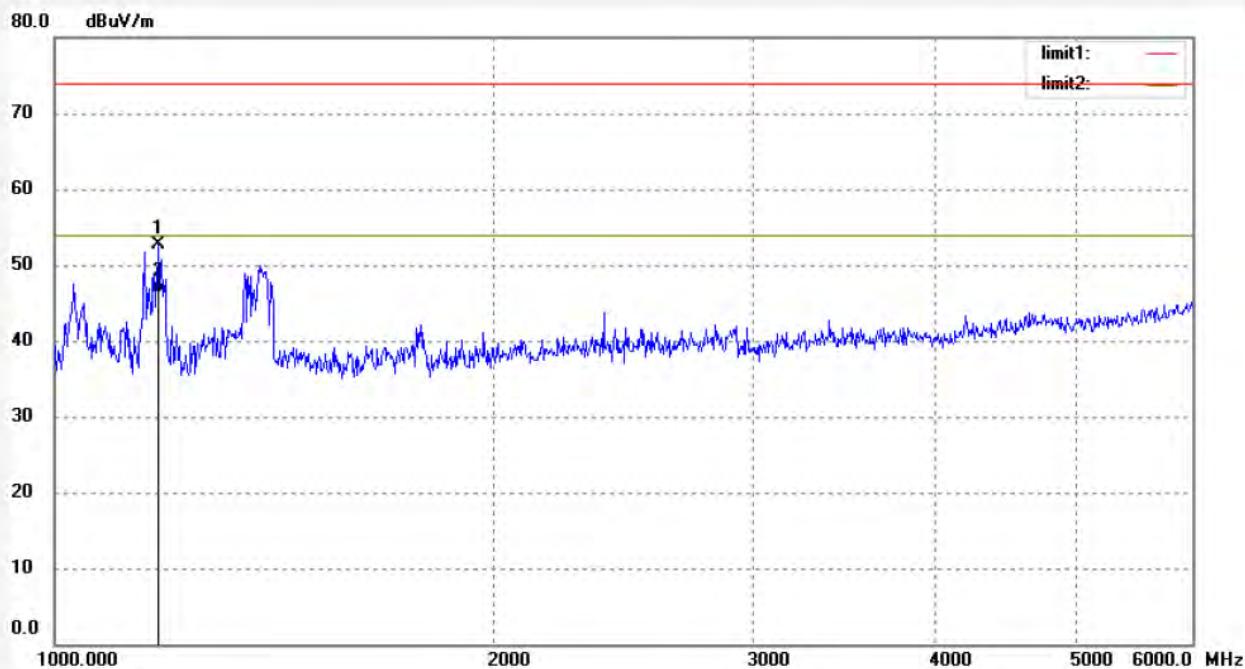
Mode: AV IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1178.255       | 63.41               | -10.75         | 52.66              | 74.00             | -21.34         | peak     |                |                  |        |
| 2   | 1178.255       | 57.10               | -10.75         | 46.35              | 54.00             | -7.65          | AVG      |                |                  |        |

## ACCURATE TECHNOLOGY CO., LTD.

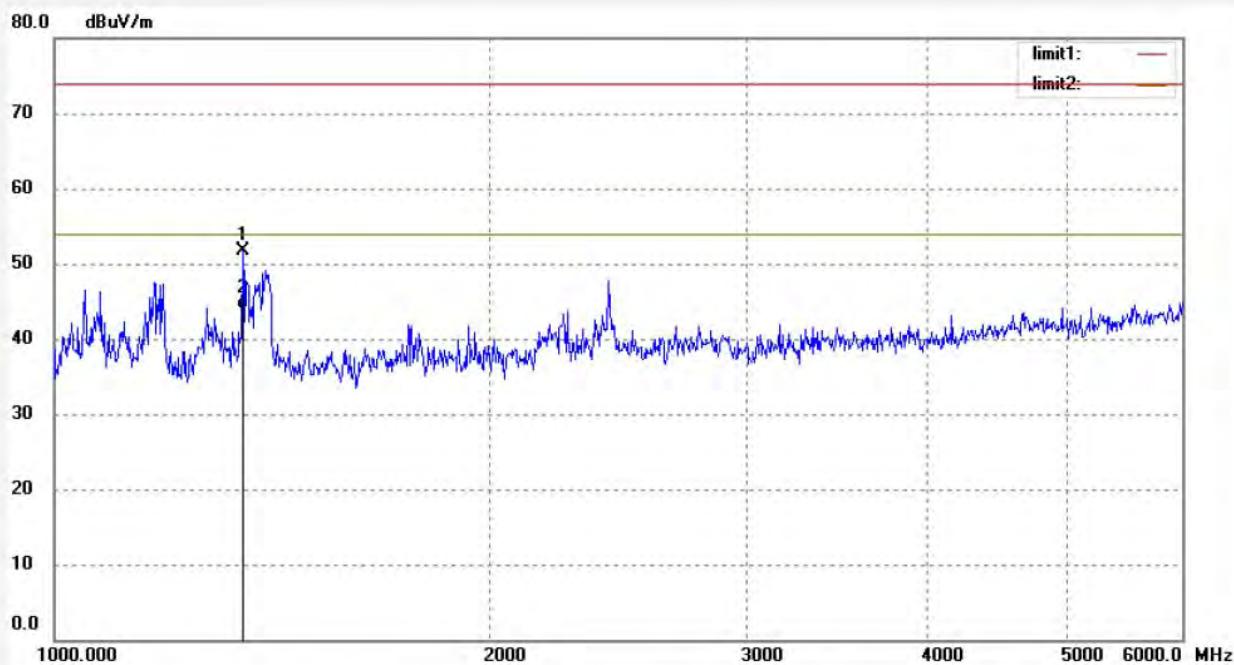
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: STAR2015 #794  
Standard: FCC PK  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Interactive Flat Panel  
Mode: WAN IN  
Model: ST-650  
Manufacturer: Recordex

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/06/05/  
Time: 14/58/54  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1348.816       | 61.84               | -10.21         | 51.63              | 74.00             | -22.37         | peak     |                |                  |        |
| 2   | 1348.816       | 54.10               | -10.21         | 43.89              | 54.00             | -10.11         | AVG      |                |                  |        |

Job No.: STAR2015 #795

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 15/03/38

EUT: Interactive Flat Panel

Engineer Signature:

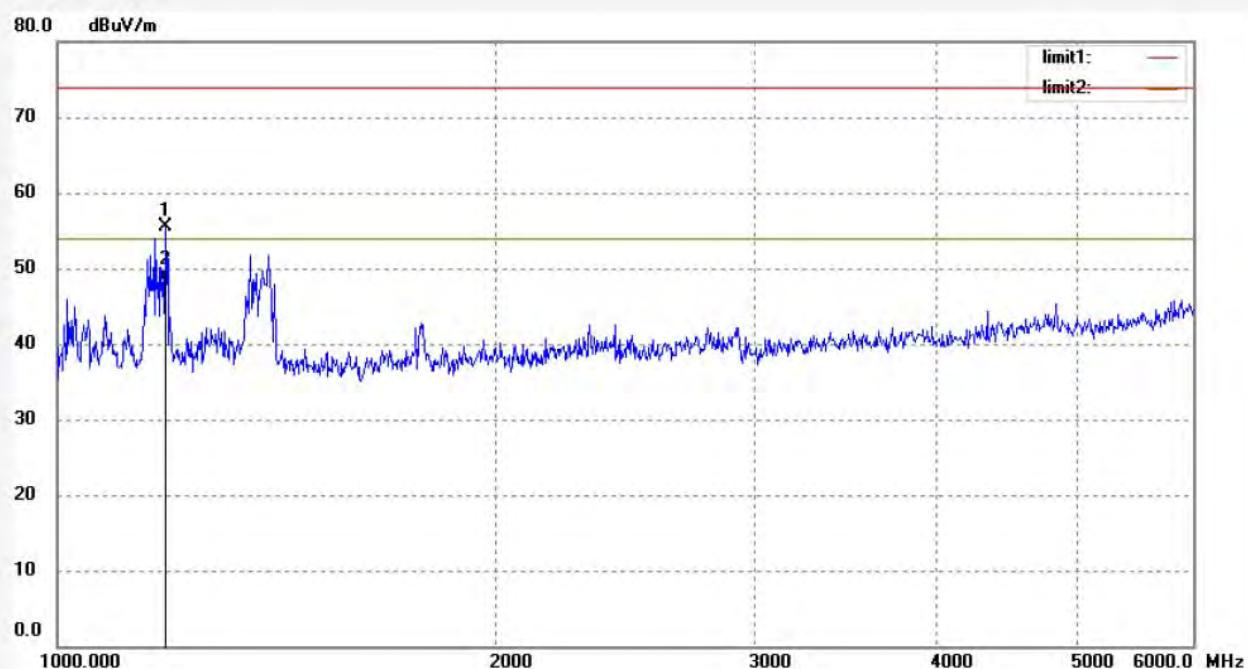
Mode: WAN IN

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1186.781       | 66.29               | -10.73         | 55.56              | 74.00             | -18.44         | peak     |                |                  |        |
| 2   | 1186.781       | 59.10               | -10.73         | 48.37              | 54.00             | -5.63          | AVG      |                |                  |        |

## ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #796

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 15/07/14

EUT: Interactive Flat Panel

Engineer Signature:

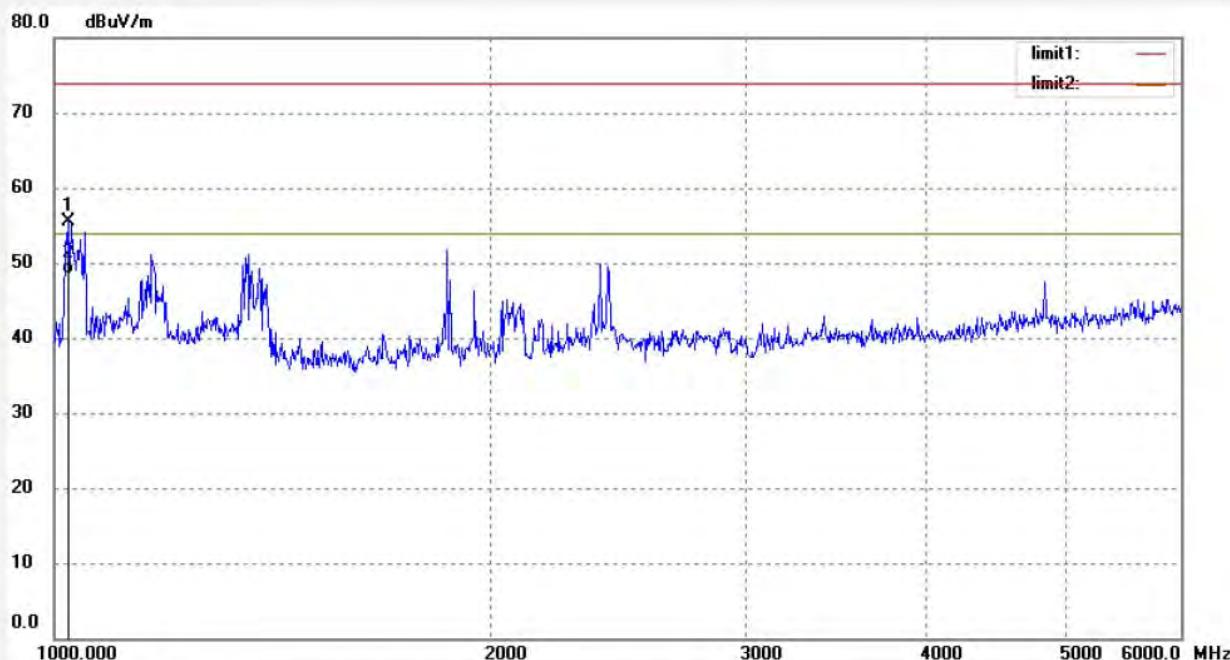
Mode: VGA

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1023.710       | 66.71               | -11.22         | 55.49              | 74.00             | -18.51         | peak     |                |                  |        |
| 2   | 1023.710       | 59.70               | -11.22         | 48.48              | 54.00             | -5.52          | AVG      |                |                  |        |

Job No.: STAR2015 #797

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 15/12/50

EUT: Interactive Flat Panel

Engineer Signature:

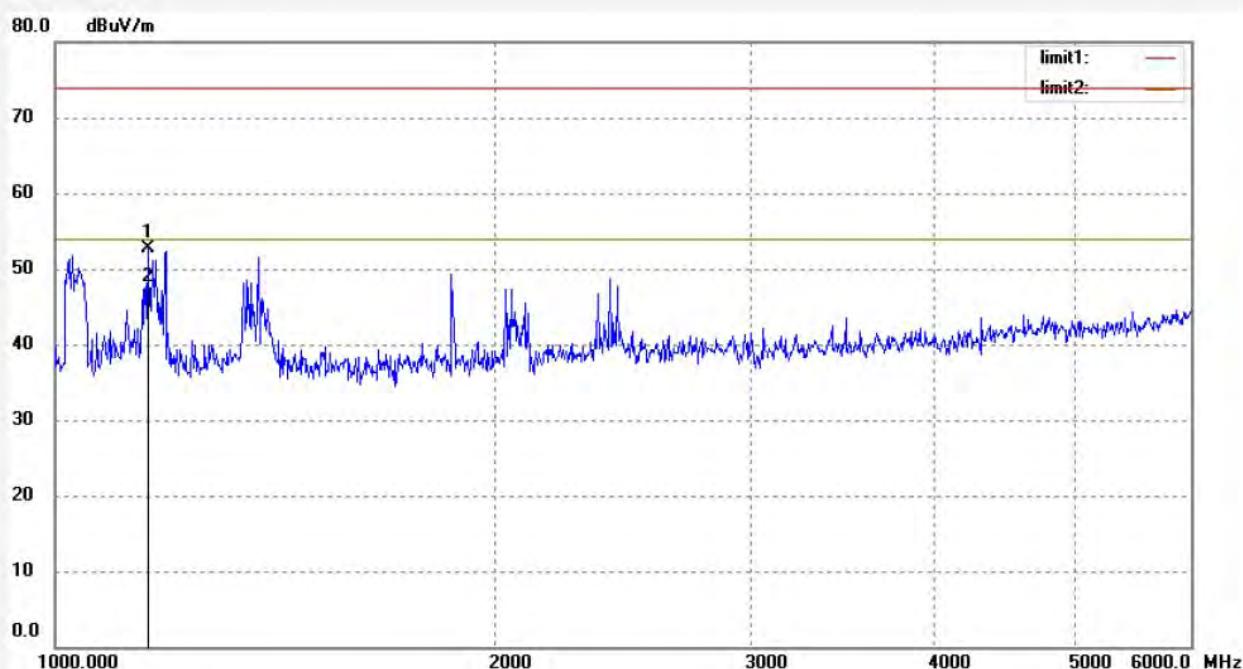
Mode: VGA

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1157.206       | 63.52               | -10.82         | 52.70              | 74.00             | -21.30         | peak     |                |                  |        |
| 2   | 1157.206       | 56.97               | -10.82         | 46.15              | 54.00             | -7.85          | AVG      |                |                  |        |



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Report No.: ATE20151180

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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #798

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 15/16/21

EUT: Interactive Flat Panel

Engineer Signature:

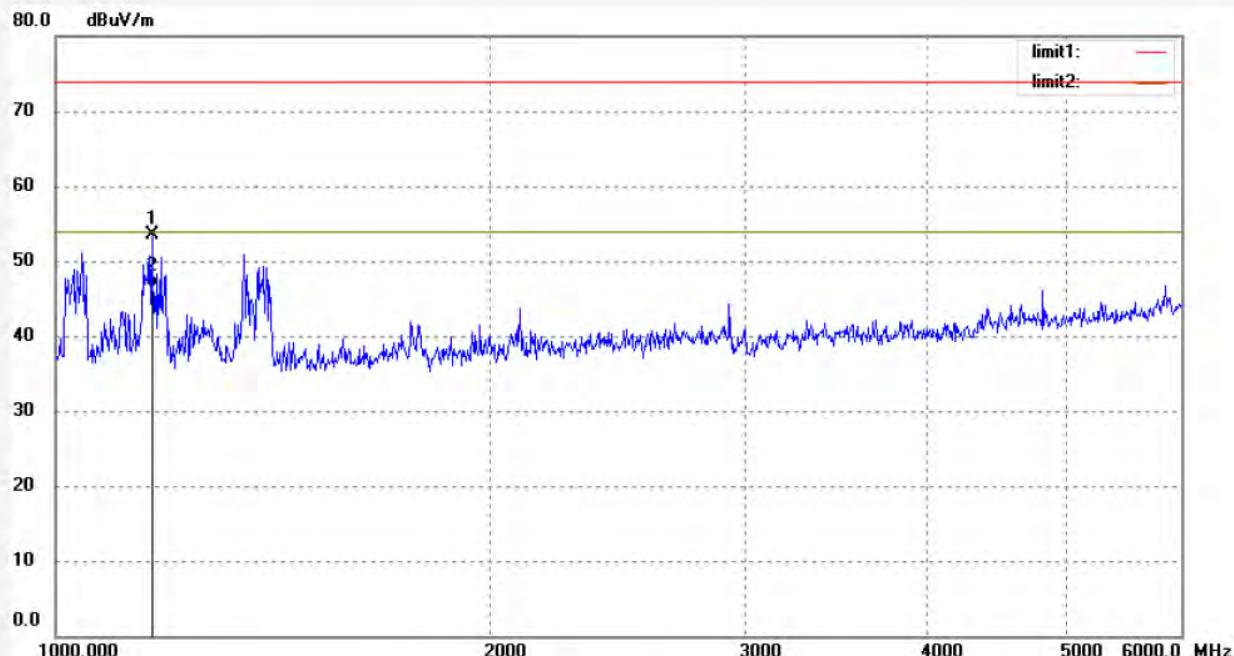
Mode: USB Playing

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1165.580       | 64.34               | -10.79         | 53.55              | 74.00             | -20.45         | peak     |                |                  |        |
| 2   | 1165.580       | 57.30               | -10.79         | 46.51              | 54.00             | -7.49          | AVG      |                |                  |        |

Job No.: STAR2015 #799

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/05/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 15/21/06

EUT: Interactive Flat Panel

Engineer Signature:

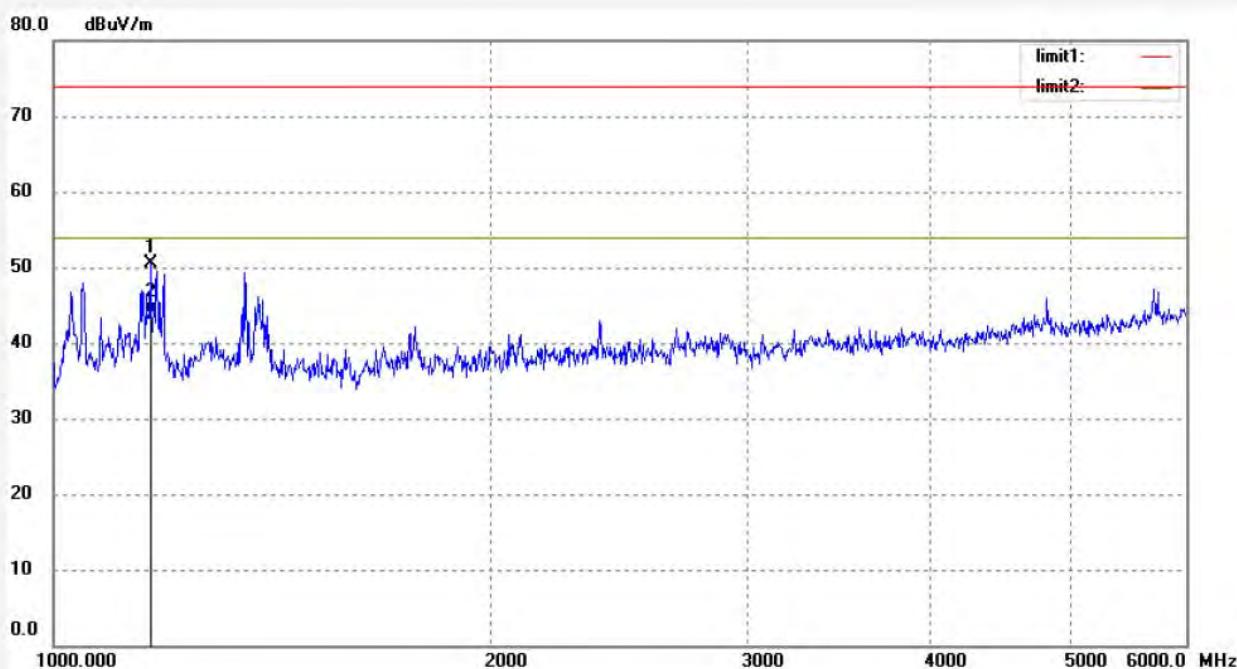
Mode: USB Playing

Distance: 3m

Model: ST-650

Manufacturer: Recordex

Note: Report No.:ATE20151180



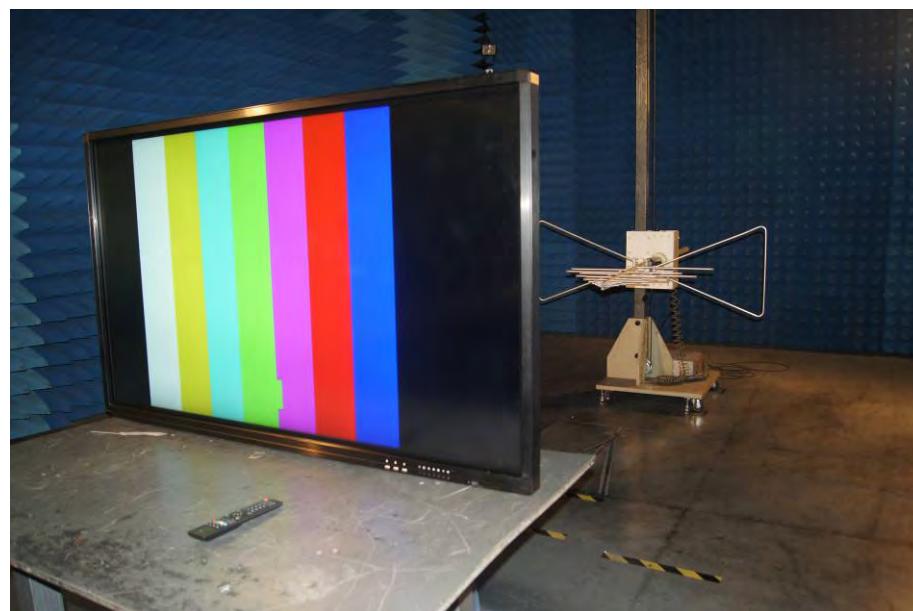
| No. | Freq.<br>(MHz) | Reading<br>(dBuV/m) | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height<br>(cm) | Degree<br>(deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1   | 1165.580       | 61.31               | -10.79         | 50.52              | 74.00             | -23.48         | peak     |                |                  |        |
| 2   | 1165.580       | 54.67               | -10.79         | 43.88              | 54.00             | -10.12         | AVG      |                |                  |        |

## 5. PHOTOGRAPHS

### 5.1.Photos of Power Line Conducted Measurement



### 5.2.Photos of Radiated Measurement





### 5.3.Photo of EUT







