# FCC TEST REPORT
For

Recordex USA, Inc.

Interactive Flat Panel

Model No.: ST-860U

FCC ID: 2ADKE-ST-860U

| | | |
|---|---|---|
| Prepared for | : | Recordex USA, Inc. |
| Address | : | 10-50 46th Avenue, Long Island City, NY 11101 |
| Prepared by | : | Accurate Technology Co., Ltd. |
| Address | : | F1, Bldg. A&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District Shenzhen 518057, P.R. China<br><br>Tel: +86-755-26503290<br>Fax: +86-755-26503396 |

| | | |
|---|---|---|
| Report No. | : | ATE20170899 |
| Date of Test | : | June 2-June 5, 2017 |
| Date of Report | : | June 7, 2017 |

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# Test Report

| | | |
|---|---|---|
| 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 |
| EUT Description | : | Interactive Flat Panel |
| Model No. | : | ST-860U |
| Trade Name | : | RECORDEX |

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart B Class B:2016**
**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 : June 2-June 5, 2017
Date of Report : June 7, 2017

Prepared by : _____
(St[illegible]Yang, 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.Description of Device (EUT)

| | | |
|---|---|---|
| Product | : | Interactive Flat Panel |
| Model No. | : | ST-860U |
| Test Voltage | : | INPUT: AC 100-240V~50/60Hz 6.5A |
| Trade Name | : | RECORDEX |
| Remark(s) | : | The EUT highest operating frequency provided by Manufacturer is 1.2GHz and include 2.4GHz wifi, the radiated emission measurement shall be made up to 26.5 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 receiver | : | May 31, 2017 |
| Date of Test | : | June 2-June 5, 2017 |

## 2.2.Accessory and Auxiliary Equipment

| | | |
|---|---|---|
| Notebook PC | : | Manufacturer: LENOVO<br>M/N: 4290-RT8<br>S/N: R9-FW93G 11/08 |
| media player | : | Manufacturer: TOSHIBA<br>M/N: STOR.E TV+<br>S/N: 101200005 |
| USB Memory Disk | : | Manufacturer: Smartocean<br>M/N: 3611S/N: 101200005 |
| LCD Monitor | : | Manufacturer: DELL<br>M/N: 1704FPTt<br>S/N: 434 |
| Keyboard | : | Manufacturer: DELL<br>M/N: SK-8110<br>S/N: LR86682 |
| Mouse | : | Manufacturer: DELL<br>M/N: M071KC<br>S/N: 410042355 |
| Earphone | : | Manufacturer: APPLE<br>M/N: iPhone (Matching earphone)<br>S/N: 7M6369W3VQ5 |
| HDMI Line | : | HDMI line length of 1 meters, have shield and magnetic ring |
| VGA Line | : | VGA line length of 1 meters, have shield and magnetic ring |
| AV Line | : | AV line length of 0.8 meters, have shield and magnetic ring |
| DP Line | : | DP line length of 0.8 meters, have shield and magnetic ring |
| TOUCH Line | : | TOUCH line length of 1.2 meters, have shield and magnetic ring |
| Net port line | : | Net port length of 4 meters, have shield and magnetic ring |

## 2.3.Description of Test Facility

EMC Lab : Listed by Federal Communications Commission (FCC)
The Registration Number is 752051

Listed by Innovation, Science and Economic Development Canada (ISEDC)
The Registration Number is 5077A-2

Accredited by China National Accreditation Service for Conformity Assessment (CNAS)
The Registration Number is CNAS L3193

Accredited by American Association for Laboratory Accreditation (A2LA)
The Certificate Number is 4297.01

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 | = | 2.23dB, k=2 |
| Radiated emission expanded uncertainty (9kHz-30MHz) | = | 3.08dB, k=2 |
| Radiated emission expanded uncertainty (30MHz-1000MHz) | = | 4.42dB, k=2 |
| Radiated emission expanded uncertainty (Above 1GHz) | = | 4.06dB, k=2 |

# 3. MEASURING DEVICE AND TEST EQUIPMENT

## 3.1. For Radiated Emission Measurement

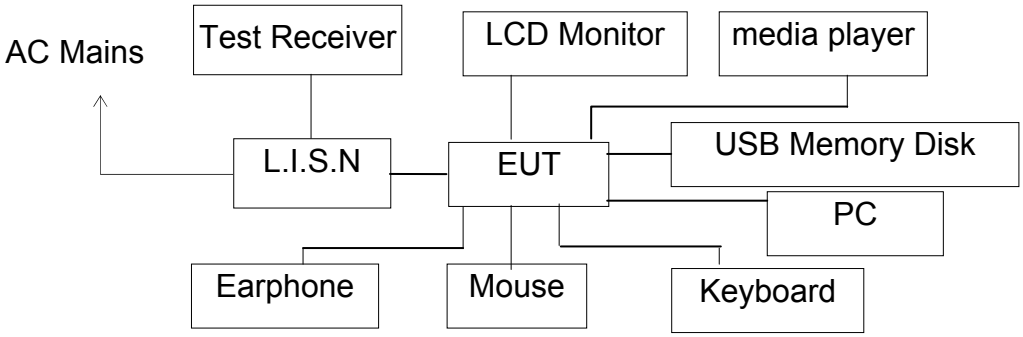
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Spectrum Analyzer | Agilent | E7405A | MY45115511 | Jan.07, 2017 | 1 Year |
| 2. | Spectrum Analyzer | Rohde&Schwarz | FSV40 | 101495 | Jan.07, 2017 | 1 Year |
| 3. | Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | Jan.07, 2017 | 1 Year |
| 4. | Test Receiver | Rohde& Schwarz | ESPI | 100396/003 | Jan.07, 2017 | 1 Year |
| 5. | Test Receiver | Rohde& Schwarz | ESPI | 101526/003 | Jan.07, 2017 | 1 Year |
| 6. | Test Receiver | Rohde& Schwarz | ESR | 101817 | Jan.07, 2017 | 1 Year |
| 7. | Bilog Antenna | Schwarzbeck | VULB9163 | 9163-194 | Jan.13, 2017 | 1 Year |
| 8. | Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | Jan.13, 2017 | 1 Year |
| 9. | Log.-Per.Antenna | Schwarzbeck | VUSLP 9111B | 9111B-074 | Jan.13, 2017 | 1 Year |
| 10. | Biconical Broad Band Antenna | Schwarzbeck | VHBB 9124+BBA 9106 | 9124-617 | Jan.13, 2017 | 1 Year |
| 11. | Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | Jan.13, 2017 | 1 Year |
| 12. | Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | Jan.13, 2017 | 1 Year |
| 13. | Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-1067 | Jan.13, 2017 | 1 Year |
| 14. | Vertical Active Monopole Antenna | Schwarzbeck | VAMP 9243 | 9243-370 | Jan.13, 2017 | 1 Year |
| 15. | RF Switching Unit+PreAMP | Compliance Direction | RSU-M2 | 38322 | Jan.07, 2017 | 1 Year |
| 16. | Pre-Amplifier | Agilent | 8447D | 294A10619 | Jan.07, 2017 | 1 Year |
| 17. | Pre-Amplifier | Rohde&Schwarz | CBLU11835 40-01 | 3791 | Jan.07, 2017 | 1 Year |
| 18. | 50 Coaxial Switch | Anritsu Corp | MP59B | 6200237248 | Jan.07, 2017 | 1 Year |
| 19. | 50 Coaxial Switch | Anritsu Corp | MP59B | 6200506474 | Jan.07, 2017 | 1 Year |
| 20. | RF Coaxial Cable | Schwarzbeck | N-5m | No.1 | Jan.07, 2017 | 1 Year |
| 21. | RF Coaxial Cable | Schwarzbeck | N-1m | No.6 | Jan.07, 2017 | 1 Year |
| 22. | RF Coaxial Cable | Schwarzbeck | N-1m | No.7 | Jan.07, 2017 | 1 Year |
| 23. | RF Coaxial Cable | SUHNER | N-3m | No.8 | Jan.07, 2017 | 1 Year |
| 24. | RF Coaxial Cable | RESENBERGER | N-3.5m | No.9 | Jan.07, 2017 | 1 Year |
| 25. | RF Coaxial Cable | SUHNER | N-6m | No.10 | Jan.07, 2017 | 1 Year |
| 26. | RF Coaxial Cable | RESENBERGER | N-12m | No.11 | Jan.07, 2017 | 1 Year |
| 27. | RF Coaxial Cable | RESENBERGER | N-0.5m | No.12 | Jan.07, 2017 | 1 Year |
| 28. | RF Coaxial Cable | SUHNER | N-2m | No.13 | Jan.07, 2017 | 1 Year |
| 29. | RF Coaxial Cable | SUHNER | N-0.5m | No.15 | Jan.07, 2017 | 1 Year |
| 30. | RF Coaxial Cable | SUHNER | N-2m | No.16 | Jan.07, 2017 | 1 Year |
| 31. | RF Coaxial Cable | RESENBERGER | N-6m | No.17 | Jan.07, 2017 | 1 Year |

## 3.2. The Equipment Used to Measure Conducted Disturbance (L.I.S.N)

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Test Receiver | Rohde & Schwarz | ESCS30 | 100307 | Jan.07, 2017 | 1 Year |
| 2. | Test Receiver | Rohde & Schwarz | ESPI3 | 100396/003 | Jan.07, 2017 | 1 Year |
| 3. | Test Receiver | Rohde & Schwarz | ESPI3 | 101526/003 | Jan.07, 2017 | 1 Year |
| 4. | L.I.S.N. | Schwarzbeck | NLSK8126 | 8126431 | Jan.07, 2017 | 1 Year |
| 5. | L.I.S.N. | Rohde & Schwarz | ESH3-Z5 | 100305 | Jan.07, 2017 | 1 Year |
| 6. | L.I.S.N. | Rohde & Schwarz | ESH3-Z5 | 100310 | Jan.07, 2017 | 1 Year |
| 7. | L.I.S.N. | Rohde & Schwarz | ESH3-Z6 | 100132 | Jan.07, 2017 | 1 Year |
| 8. | Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100305 | Jan.07, 2017 | 1 Year |
| 9. | Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100312 | Jan.07, 2017 | 1 Year |
| 10. | Pulse Limiter | Rohde & Schwarz | ESH3-Z2 | 100815 | Jan.07, 2017 | 1 Year |
| 11. | 50Ω Coaxial Switch | Anritsu Corp | MP59B | 6200283936 | Jan.07, 2017 | 1 Year |
| 12. | 50Ω Coaxial Switch | Anritsu Corp | MP59B | 6200283933 | Jan.07, 2017 | 1 Year |
| 13. | 50Ω Coaxial Switch | Anritsu Corp | MP59B | 6200506474 | Jan.07, 2017 | 1 Year |
| 14. | VOLTAGE PROBE | Schwarzbeck | TK9416 | N/A | Jan.07, 2017 | 1 Year |
| 15. | RF CURRENT PROBE | Rohde & Schwarz | EZ-17 | 100048 | Jan.07, 2017 | 1 Year |
| 16. | 8-Wire Impedance Stabilisation Network | Schwarzbeck | CAT5 8158 | 8158-0035 | Jan.07, 2017 | 1 Year |
| 17. | RF Coaxial Cable | SUHNER | N-2m | No.2 | Jan.07, 2017 | 1 Year |
| 18. | RF Coaxial Cable | SUHNER | N-2m | No.3 | Jan.07, 2017 | 1 Year |
| 19. | RF Coaxial Cable | SUHNER | N-2m | No.14 | Jan.07, 2017 | 1 Year |

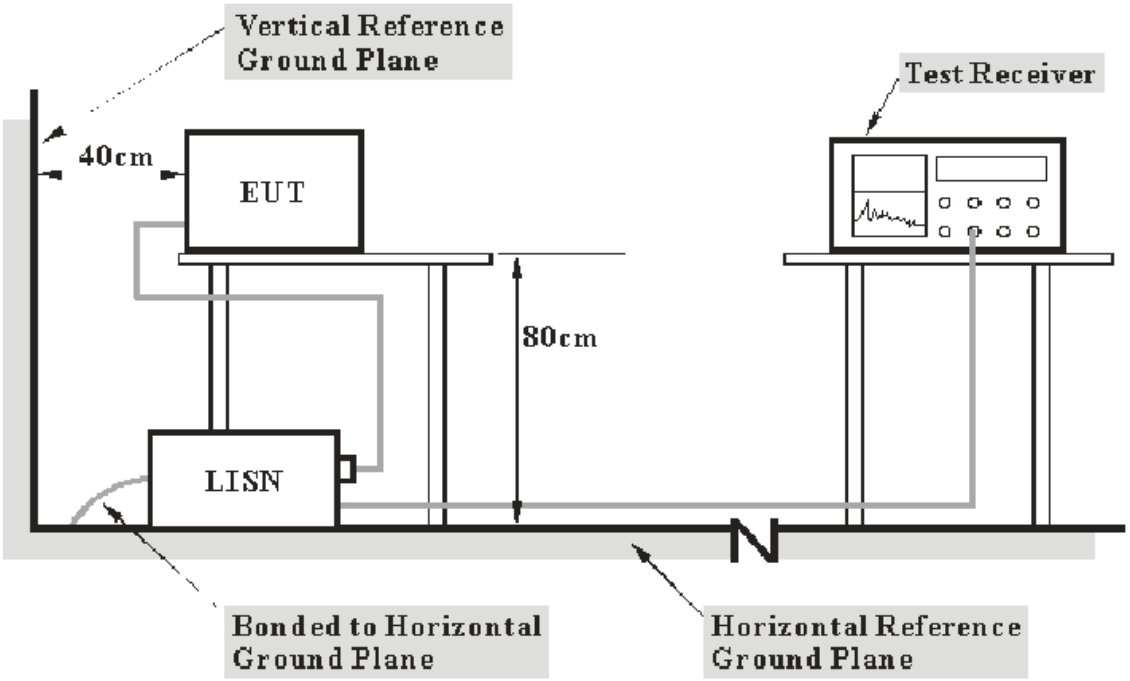
# 4. POWER LINE CONDUCTED MEASUREMENT

## 4.1.Block Diagram of Test Setup




(EUT: Interactive Flat Panel)

## 4.2.EUT Setup




Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

## 4.3.Test mode description

Test mode 1: USB Playing
Test mode 2: AV IN
Test mode 3: VGA IN
Test mode 4: DP IN
Test mode 5: HDMI IN
Test mode 6: Memory Playing

Note: EUT have two USB Playingterfaces, the USB TOUCH port is used to output the touch for external devices connected to PC, Another USB Playingterface is used for system upgrades or service.
There is a detailed description of the interface On the fifth page of the user manual.

## 4.4.Power Line Conducted Emission Measurement Limits

| Frequency (MHz) | Limit dB(μV) | |
|---|---|---|
| | Quasi-peak Level | Average Level |
| 0.15 - 0.50 | 66.0 – 56.0 * | 56.0 – 46.0 * |
| 0.50 - 5.00 | 56.0 | 46.0 |
| 5.00 - 30.00 | 60.0 | 50.0 |
| NOTE1: The lower limit shall apply at the transition frequencies.<br>NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz. | | |

## 4.5.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.

## 4.6.Operating Condition of EUT

4.6.1.Setup the EUT and simulator as shown as Section 4.1.

4.6.2.Turn on the power of all equipment.

4.6.3.Let the EUT work in test mode and measure it.

## 4.7.Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.
The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at ATC is ±2.23dB.

## 4.8.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 AC 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.

## 4.9.DATA SAMPLE

| Frequency (MHz) | Transducer value (dB) | QuasiPeak Level (dBμV) | Average Level (dBμV) | QuasiPeak Limit (dBμV) | Average Limit (dBμV) | QuasiPeak Margin (dB) | Average Margin (dB) | Remark (Pass/Fail) |
|---|---|---|---|---|---|---|---|---|
| X.XX | 10.8 | 44.6 | 33.6 | 56.0 | 46.0 | 11.4 | 12.4 | Pass |

Frequency(MHz) = Emission frequency in MHz
Transducer value(dB) = Insertion loss of LISN + Cable Loss
Level(dBμV) = Quasi-peak Reading/Average Reading + Transducer value
Limit (dBμV) = Limit stated in standard
Margin = Limit (dBμV) - Level (dBμV)

Calculation Formula:
Margin = Limit (dBμV) - Level (dBμV)

## 4.10.Power Line Conducted Emission Measurement Results

**PASS.**

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

Maximizing procedure was performed on the six (6) highest emissions of the EUT. Emissions attenuated more than 20 dB below the permissible value are not reported.

All data was recorded in the Quasi-peak and average detection mode.

The spectral diagrams are attached as below.

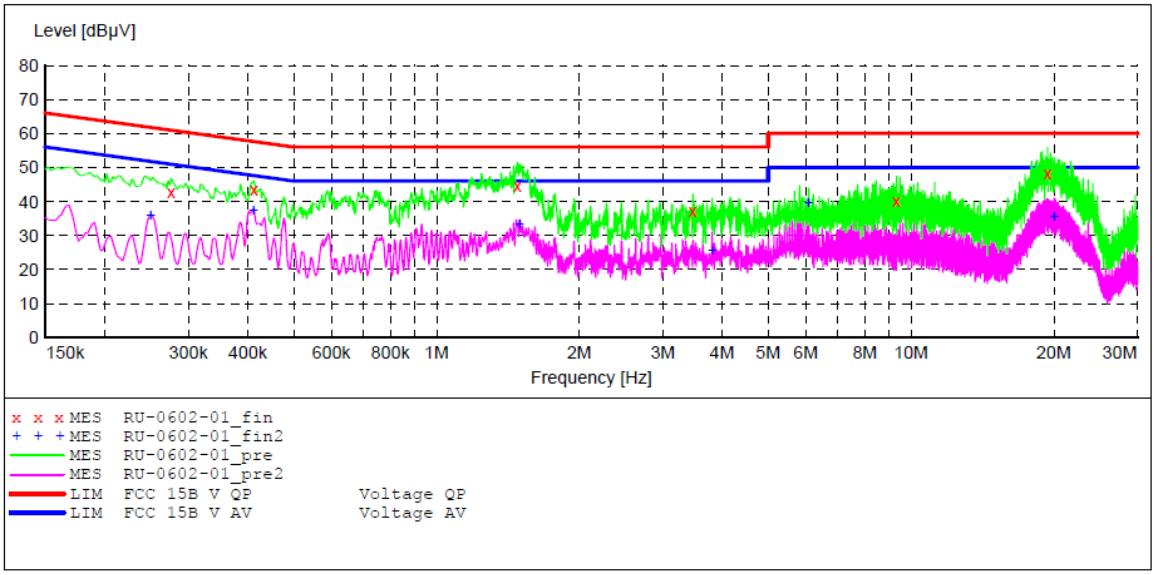
***ACCURATE TECHNOLOGY CO.,LTD***

***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                 Interactive Flat Panel  M/N:ST-860U
Manufacturer:        Recordex USA, Inc.
Operating Condition: USB PLAY
Test Site:           2#Shielding Room
Operator:            DING
Test Specification:  L   240V/60Hz
Comment:             Report NO.:ATE20170899
Start of Test:       2017-6-2 / 17:47:15
```

***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    NSLK8126 2008
                                  Average
```




***MEASUREMENT RESULT: "RU-0602-01_fin"***

2017-6-2 17:48

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.276000 | 42.90 | 10.5 | 61 | 18.0 | QP | L1 | GND |
| 0.412000 | 43.60 | 10.6 | 58 | 14.0 | QP | L1 | GND |
| 1.482000 | 44.60 | 10.8 | 56 | 11.4 | QP | L1 | GND |
| 3.470000 | 37.20 | 11.0 | 56 | 18.8 | QP | L1 | GND |
| 9.315000 | 40.20 | 11.2 | 60 | 19.8 | QP | L1 | GND |
| 19.390000 | 48.20 | 11.3 | 60 | 11.8 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-01_fin2"***

2017-6-2 17:48

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.250000 | 36.20 | 10.5 | 52 | 15.6 | AV | L1 | GND |
| 0.412000 | 37.60 | 10.6 | 48 | 10.0 | AV | L1 | GND |
| 1.498000 | 33.60 | 10.8 | 46 | 12.4 | AV | L1 | GND |
| 3.810000 | 25.80 | 11.0 | 46 | 20.2 | AV | L1 | GND |
| 6.085000 | 39.80 | 11.1 | 50 | 10.2 | AV | L1 | GND |
| 20.015000 | 35.90 | 11.3 | 50 | 14.1 | AV | L1 | GND |

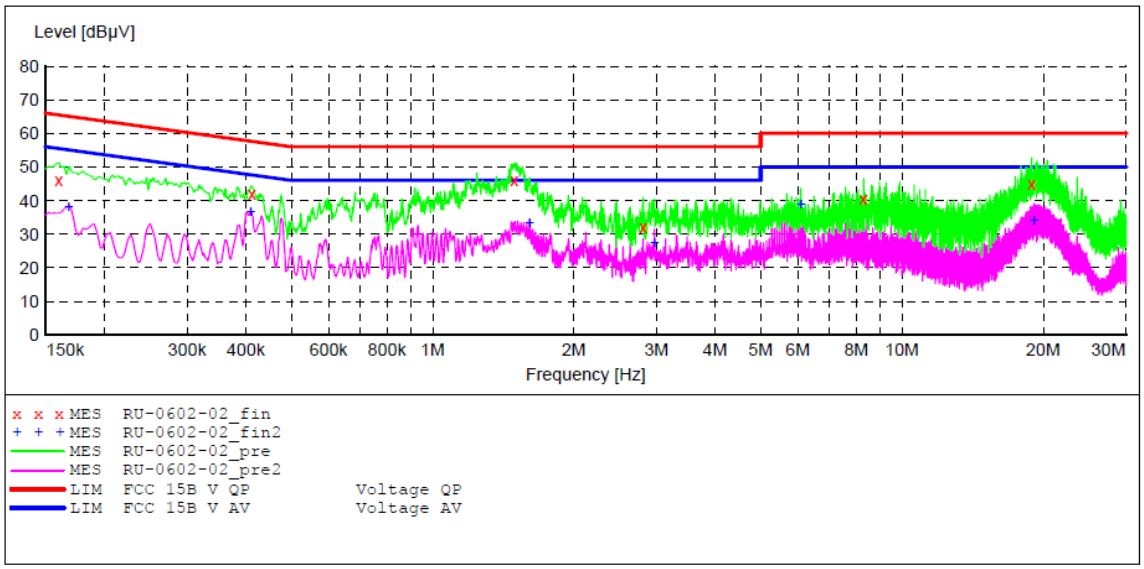
***ACCURATE TECHNOLOGY CO.,LTD***

***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                  Interactive Flat Panel  M/N:ST-860U
Manufacturer:         Recordex USA, Inc.
Operating Condition:  USB PLAY
Test Site:            2#Shielding Room
Operator:             DING
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20170899
Start of Test:        2017-6-2 / 17:50:20
```

***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   NSLK8126 2008
                                  Average
```




***MEASUREMENT RESULT: "RU-0602-02_fin"***

2017-6-2 17:51

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.160000 | 46.00 | 10.4 | 66 | 19.5 | QP | N | GND |
| 0.412000 | 41.90 | 10.6 | 58 | 15.7 | QP | N | GND |
| 1.494000 | 46.10 | 10.8 | 56 | 9.9 | QP | N | GND |
| 2.810000 | 32.20 | 11.0 | 56 | 23.8 | QP | N | GND |
| 8.285000 | 40.70 | 11.2 | 60 | 19.3 | QP | N | GND |
| 18.895000 | 44.90 | 11.3 | 60 | 15.1 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-02_fin2"***

2017-6-2 17:51

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.168000 | 38.30 | 10.4 | 55 | 16.8 | AV | N | GND |
| 0.410000 | 37.00 | 10.6 | 48 | 10.6 | AV | N | GND |
| 1.610000 | 33.40 | 10.9 | 46 | 12.6 | AV | N | GND |
| 2.970000 | 27.60 | 11.0 | 46 | 18.4 | AV | N | GND |
| 6.090000 | 38.90 | 11.1 | 50 | 11.1 | AV | N | GND |
| 19.115000 | 34.40 | 11.3 | 50 | 15.6 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

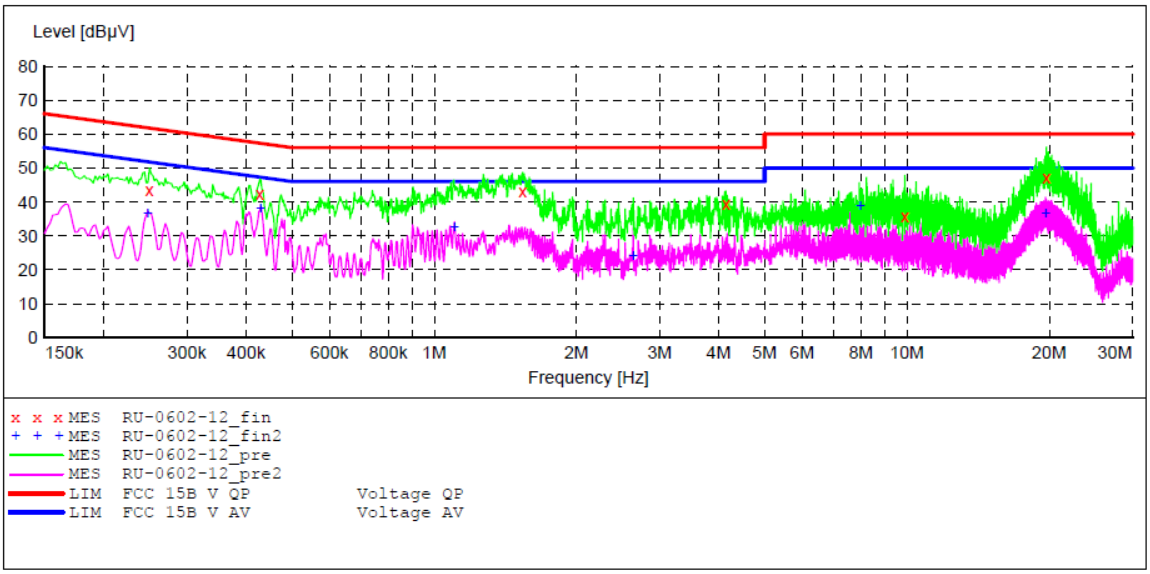
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: DP IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:54:00

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-12_fin"***

2017-6-2 18:56

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.250000 | 43.50 | 10.5 | 62 | 18.3 | QP | L1 | GND |
| 0.428000 | 42.30 | 10.6 | 57 | 15.0 | QP | L1 | GND |
| 1.538000 | 43.20 | 10.8 | 56 | 12.8 | QP | L1 | GND |
| 4.140000 | 39.60 | 11.0 | 56 | 16.4 | QP | L1 | GND |
| 9.890000 | 35.60 | 11.2 | 60 | 24.4 | QP | L1 | GND |
| 19.730000 | 47.20 | 11.3 | 60 | 12.8 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-12_fin2"***

2017-6-2 18:56

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 36.80 | 10.5 | 52 | 15.0 | AV | L1 | GND |
| 0.430000 | 38.30 | 10.6 | 47 | 9.0 | AV | L1 | GND |
| 1.104000 | 32.70 | 10.8 | 46 | 13.3 | AV | L1 | GND |
| 2.635000 | 24.50 | 10.9 | 46 | 21.5 | AV | L1 | GND |
| 7.980000 | 39.20 | 11.2 | 50 | 10.8 | AV | L1 | GND |
| 19.640000 | 37.00 | 11.3 | 50 | 13.0 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

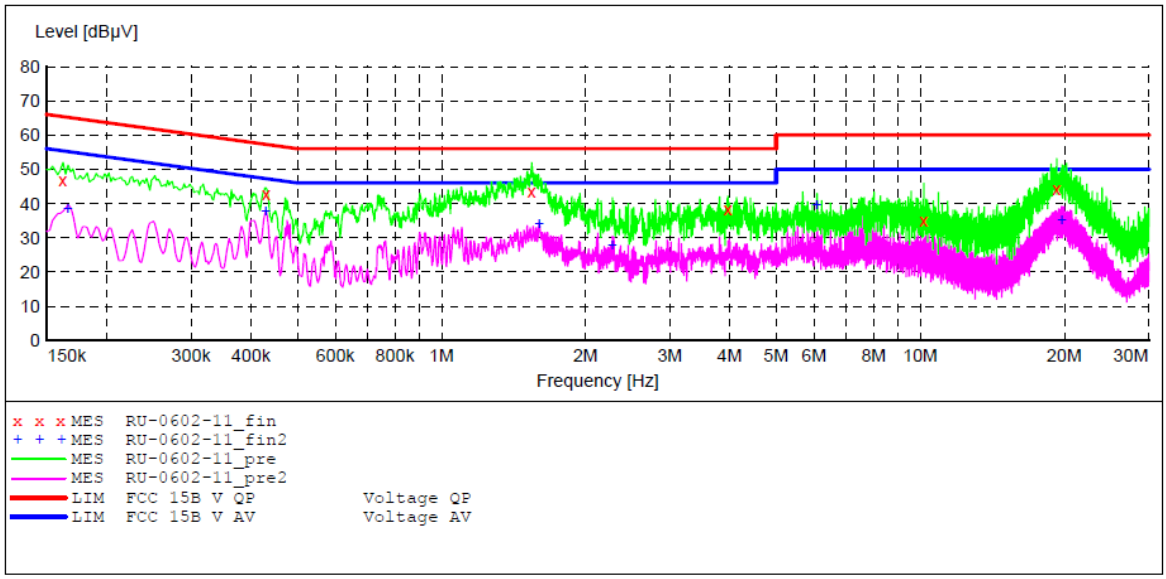
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: DP IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:50:59

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-11_fin"***

2017-6-2 18:52

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.162000 | 46.70 | 10.4 | 65 | 18.7 | QP | N | GND |
| 0.430000 | 42.70 | 10.6 | 57 | 14.6 | QP | N | GND |
| 1.542000 | 43.60 | 10.8 | 56 | 12.4 | QP | N | GND |
| 3.965000 | 38.20 | 11.0 | 56 | 17.8 | QP | N | GND |
| 10.170000 | 35.10 | 11.2 | 60 | 24.9 | QP | N | GND |
| 19.255000 | 44.40 | 11.3 | 60 | 15.6 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-11_fin2"***

2017-6-2 18:52

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.166000 | 38.80 | 10.4 | 55 | 16.4 | AV | N | GND |
| 0.430000 | 38.10 | 10.6 | 47 | 9.2 | AV | N | GND |
| 1.600000 | 34.10 | 10.9 | 46 | 11.9 | AV | N | GND |
| 2.275000 | 28.20 | 10.9 | 46 | 17.8 | AV | N | GND |
| 6.085000 | 40.00 | 11.1 | 50 | 10.0 | AV | N | GND |
| 19.715000 | 35.40 | 11.3 | 50 | 14.6 | AV | N | GND |

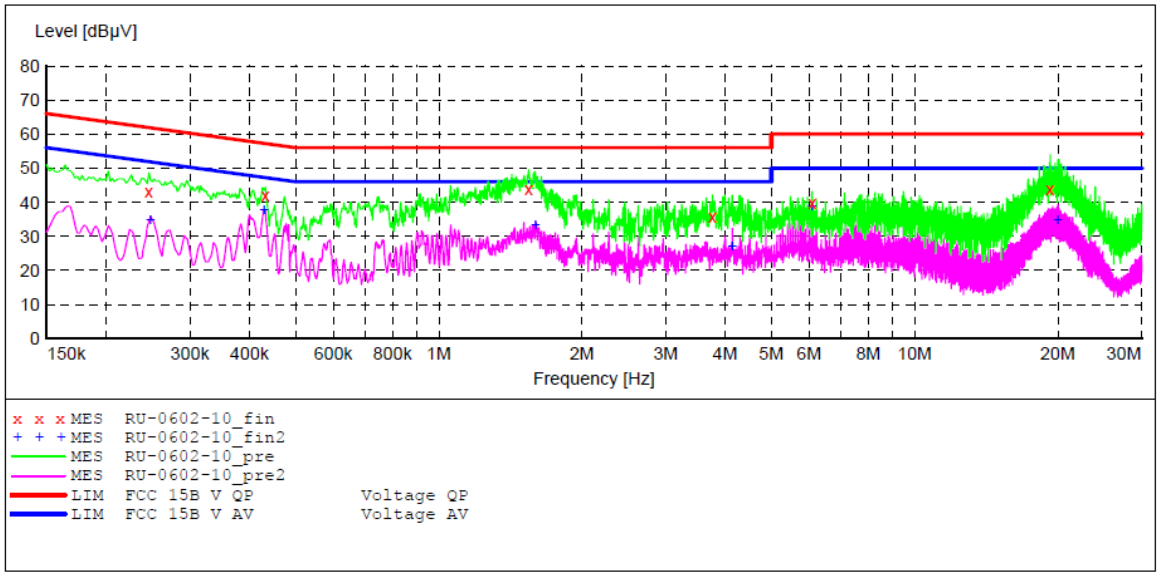
***ACCURATE TECHNOLOGY CO.,LTD***

***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                  Interactive Flat Panel  M/N:ST-860U
Manufacturer:         Recordex USA, Inc.
Operating Condition:  AV IN
Test Site:            2#Shielding Room
Operator:             DING
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20170899
Start of Test:        2017-6-2 / 18:46:44
```

***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   NSLK8126 2008
                                  Average
```




***MEASUREMENT RESULT: "RU-0602-10_fin"***

2017-6-2 18:49

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 43.30 | 10.5 | 62 | 18.6 | QP | N | GND |
| 0.432000 | 42.20 | 10.6 | 57 | 15.0 | QP | N | GND |
| 1.546000 | 44.00 | 10.8 | 56 | 12.0 | QP | N | GND |
| 3.760000 | 35.60 | 11.0 | 56 | 20.4 | QP | N | GND |
| 6.090000 | 39.90 | 11.1 | 60 | 20.1 | QP | N | GND |
| 19.265000 | 43.90 | 11.3 | 60 | 16.1 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-10_fin2"***

2017-6-2 18:49

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 35.00 | 10.5 | 52 | 16.8 | AV | N | GND |
| 0.430000 | 38.00 | 10.6 | 47 | 9.3 | AV | N | GND |
| 1.598000 | 33.40 | 10.9 | 46 | 12.6 | AV | N | GND |
| 4.140000 | 27.30 | 11.0 | 46 | 18.7 | AV | N | GND |
| 6.090000 | 39.10 | 11.1 | 50 | 10.9 | AV | N | GND |
| 19.980000 | 34.90 | 11.3 | 50 | 15.1 | AV | N | GND |

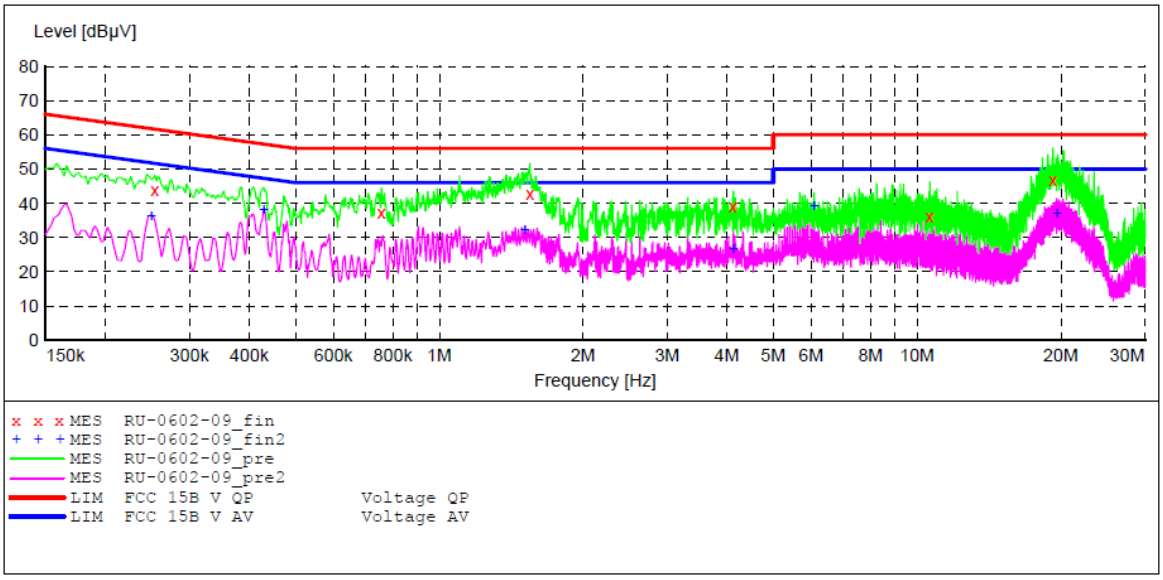
***ACCURATE TECHNOLOGY CO.,LTD***

***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                  Interactive Flat Panel  M/N:ST-860U
Manufacturer:         Recordex USA, Inc.
Operating Condition:  AV IN
Test Site:            2#Shielding Room
Operator:             DING
Test Specification:   L   240V/60Hz
Comment:              Report NO.:ATE20170899
Start of Test:        2017-6-2 / 18:39:36
```

***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   NSLK8126 2008
                                  Average
```




***MEASUREMENT RESULT: "RU-0602-09_fin"***

2017-6-2 18:45

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.254000 | 43.80 | 10.5 | 62 | 17.8 | QP | L1 | GND |
| 0.756000 | 37.20 | 10.7 | 56 | 18.8 | QP | L1 | GND |
| 1.548000 | 42.70 | 10.8 | 56 | 13.3 | QP | L1 | GND |
| 4.120000 | 38.90 | 11.0 | 56 | 17.1 | QP | L1 | GND |
| 10.630000 | 36.10 | 11.2 | 60 | 23.9 | QP | L1 | GND |
| 19.245000 | 46.80 | 11.3 | 60 | 13.2 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-09_fin2"***

2017-6-2 18:45

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.250000 | 36.60 | 10.5 | 52 | 15.2 | AV | L1 | GND |
| 0.430000 | 38.20 | 10.6 | 47 | 9.1 | AV | L1 | GND |
| 1.510000 | 32.30 | 10.8 | 46 | 13.7 | AV | L1 | GND |
| 4.125000 | 27.10 | 11.0 | 46 | 18.9 | AV | L1 | GND |
| 6.090000 | 39.40 | 11.1 | 50 | 10.6 | AV | L1 | GND |
| 19.620000 | 37.20 | 11.3 | 50 | 12.8 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

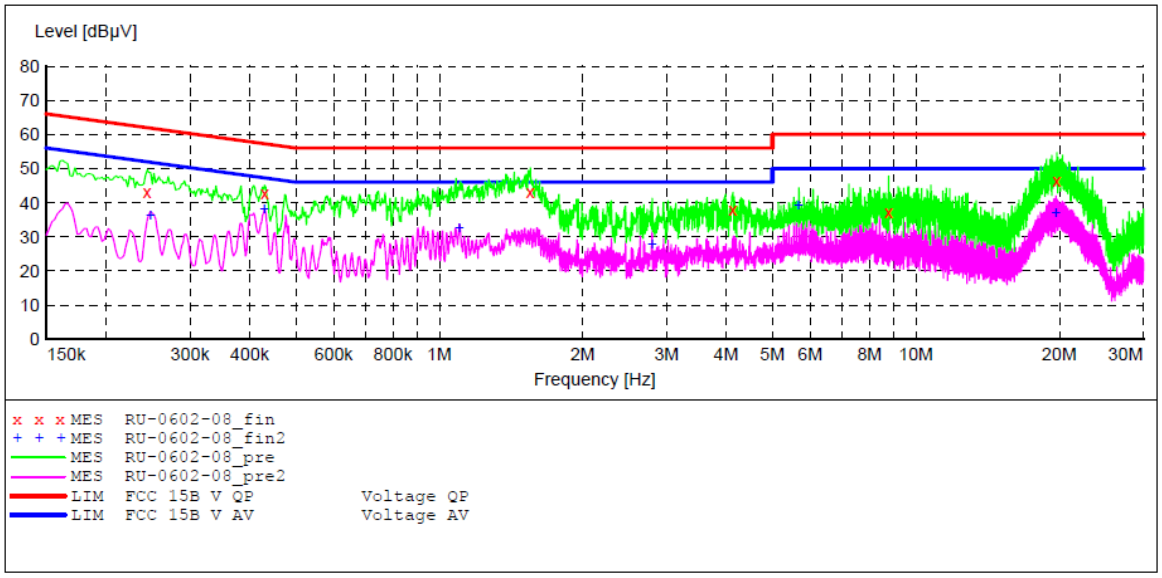
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: HDMI IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:34:45

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-08_fin"***

2017-6-2 18:37

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 43.30 | 10.5 | 62 | 18.7 | QP | L1 | GND |
| 0.430000 | 42.60 | 10.6 | 57 | 14.7 | QP | L1 | GND |
| 1.552000 | 43.00 | 10.8 | 56 | 13.0 | QP | L1 | GND |
| 4.130000 | 37.90 | 11.0 | 56 | 18.1 | QP | L1 | GND |
| 8.765000 | 37.40 | 11.2 | 60 | 22.6 | QP | L1 | GND |
| 19.755000 | 46.60 | 11.3 | 60 | 13.4 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-08_fin2"***

2017-6-2 18:37

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 36.60 | 10.5 | 52 | 15.2 | AV | L1 | GND |
| 0.430000 | 38.20 | 10.6 | 47 | 9.1 | AV | L1 | GND |
| 1.102000 | 33.00 | 10.8 | 46 | 13.0 | AV | L1 | GND |
| 2.795000 | 27.90 | 11.0 | 46 | 18.1 | AV | L1 | GND |
| 5.680000 | 39.30 | 11.1 | 50 | 10.7 | AV | L1 | GND |
| 19.655000 | 37.40 | 11.3 | 50 | 12.6 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

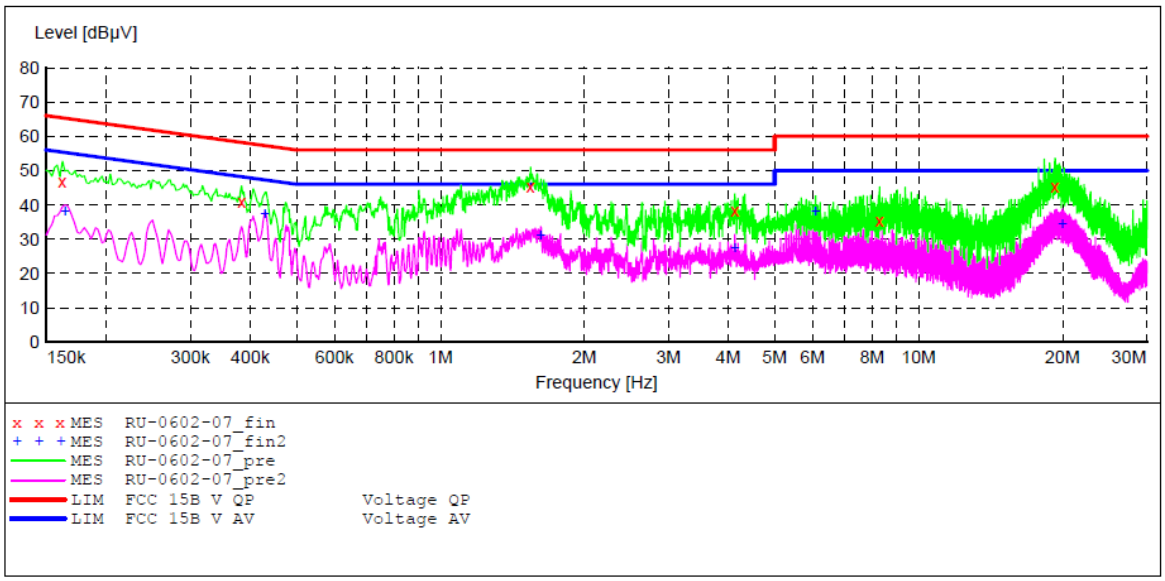
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: HDMI IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:31:36

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-07_fin"***

2017-6-2 18:33

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.162000 | 47.00 | 10.4 | 65 | 18.4 | QP | N | GND |
| 0.384000 | 40.80 | 10.6 | 58 | 17.4 | QP | N | GND |
| 1.544000 | 45.30 | 10.8 | 56 | 10.7 | QP | N | GND |
| 4.125000 | 38.30 | 11.0 | 56 | 17.7 | QP | N | GND |
| 8.285000 | 35.30 | 11.2 | 60 | 24.7 | QP | N | GND |
| 19.275000 | 45.50 | 11.3 | 60 | 14.5 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-07_fin2"***

2017-6-2 18:33

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.164000 | 38.40 | 10.4 | 55 | 16.9 | AV | N | GND |
| 0.430000 | 37.80 | 10.6 | 47 | 9.5 | AV | N | GND |
| 1.620000 | 31.20 | 10.9 | 46 | 14.8 | AV | N | GND |
| 4.125000 | 27.60 | 11.0 | 46 | 18.4 | AV | N | GND |
| 6.090000 | 38.50 | 11.1 | 50 | 11.5 | AV | N | GND |
| 19.955000 | 34.60 | 11.3 | 50 | 15.4 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

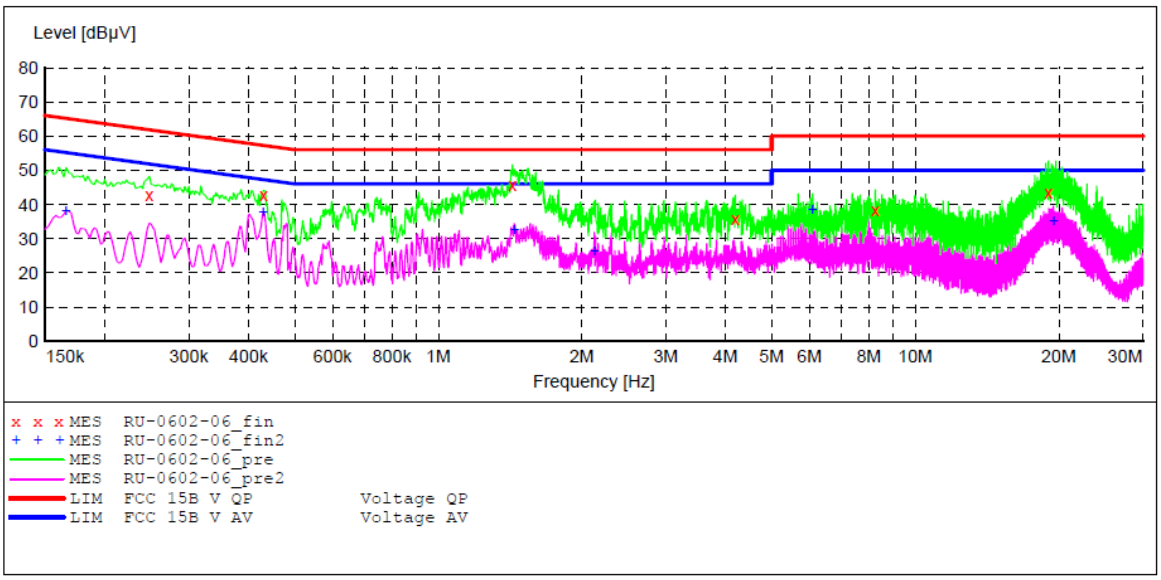
***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                  Interactive Flat Panel  M/N:ST-860U
Manufacturer:         Recordex USA, Inc.
Operating Condition:  VGA IN
Test Site:            2#Shielding Room
Operator:             DING
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20170899
Start of Test:        2017-6-2 / 18:27:25
```

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-06_fin"***

2017-6-2 18:29

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 42.60 | 10.5 | 62 | 19.2 | QP | N | GND |
| 0.430000 | 42.70 | 10.6 | 57 | 14.6 | QP | N | GND |
| 1.430000 | 45.70 | 10.8 | 56 | 10.3 | QP | N | GND |
| 4.190000 | 35.90 | 11.0 | 56 | 20.1 | QP | N | GND |
| 8.240000 | 38.40 | 11.2 | 60 | 21.6 | QP | N | GND |
| 19.010000 | 43.60 | 11.3 | 60 | 16.4 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-06_fin2"***

2017-6-2 18:29

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.166000 | 38.40 | 10.4 | 55 | 16.8 | AV | N | GND |
| 0.430000 | 38.00 | 10.6 | 47 | 9.3 | AV | N | GND |
| 1.444000 | 32.70 | 10.8 | 46 | 13.3 | AV | N | GND |
| 2.125000 | 26.60 | 10.9 | 46 | 19.4 | AV | N | GND |
| 6.090000 | 38.70 | 11.1 | 50 | 11.3 | AV | N | GND |
| 19.465000 | 35.30 | 11.3 | 50 | 14.7 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

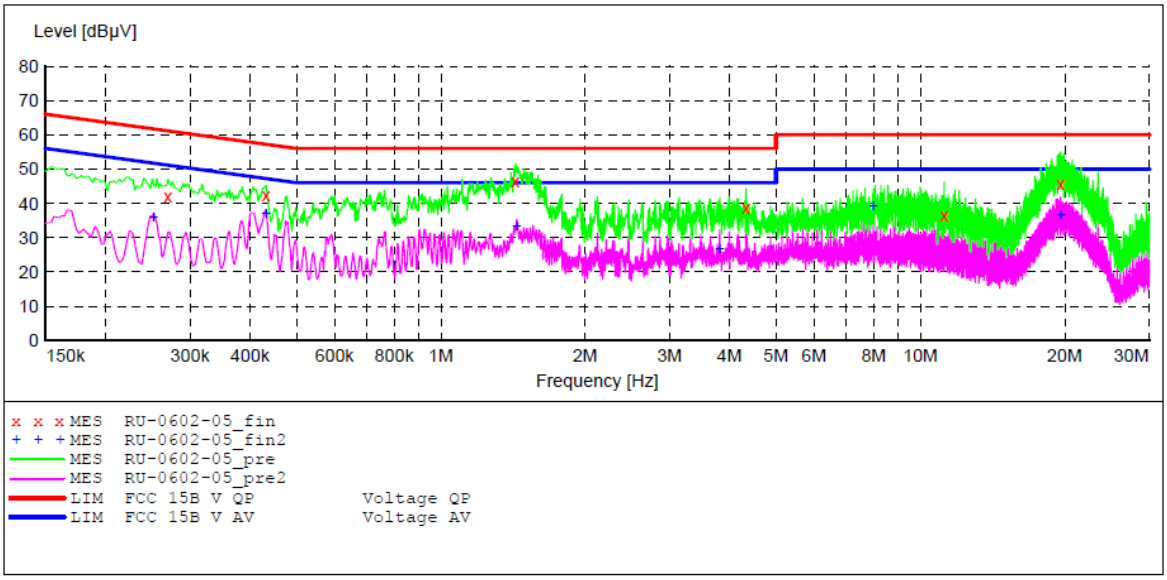
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: VGA IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:23:55

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-05_fin"***

2017-6-2 18:25

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.270000 | 42.10 | 10.5 | 61 | 19.0 | QP | L1 | GND |
| 0.432000 | 42.40 | 10.6 | 57 | 14.8 | QP | L1 | GND |
| 1.432000 | 46.40 | 10.8 | 56 | 9.6 | QP | L1 | GND |
| 4.330000 | 38.70 | 11.0 | 56 | 17.3 | QP | L1 | GND |
| 11.215000 | 36.70 | 11.2 | 60 | 23.3 | QP | L1 | GND |
| 19.600000 | 45.70 | 11.3 | 60 | 14.3 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-05_fin2"***

2017-6-2 18:25

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.252000 | 36.30 | 10.5 | 52 | 15.4 | AV | L1 | GND |
| 0.432000 | 37.30 | 10.6 | 47 | 9.9 | AV | L1 | GND |
| 1.440000 | 33.60 | 10.8 | 46 | 12.4 | AV | L1 | GND |
| 3.815000 | 26.90 | 11.0 | 46 | 19.1 | AV | L1 | GND |
| 7.980000 | 39.30 | 11.2 | 50 | 10.7 | AV | L1 | GND |
| 19.600000 | 36.80 | 11.3 | 50 | 13.2 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

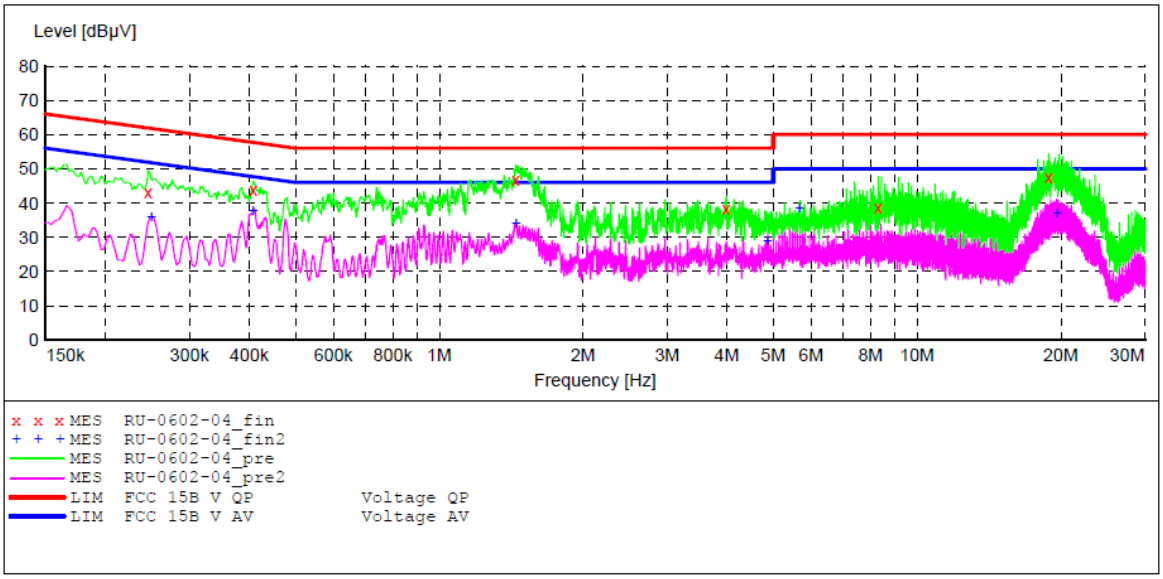
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: Mmemory Play
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 240V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 17:55:47

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-04_fin"***

2017-6-2 17:57

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 43.00 | 10.5 | 62 | 18.9 | QP | L1 | GND |
| 0.408000 | 43.90 | 10.6 | 58 | 13.8 | QP | L1 | GND |
| 1.446000 | 46.90 | 10.8 | 56 | 9.1 | QP | L1 | GND |
| 3.985000 | 38.30 | 11.0 | 56 | 17.7 | QP | L1 | GND |
| 8.295000 | 38.70 | 11.2 | 60 | 21.3 | QP | L1 | GND |
| 18.860000 | 47.70 | 11.3 | 60 | 12.3 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-04_fin2"***

2017-6-2 17:57

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.250000 | 36.30 | 10.5 | 52 | 15.5 | AV | L1 | GND |
| 0.408000 | 38.00 | 10.6 | 48 | 9.7 | AV | L1 | GND |
| 1.450000 | 34.20 | 10.8 | 46 | 11.8 | AV | L1 | GND |
| 4.870000 | 29.10 | 11.1 | 46 | 16.9 | AV | L1 | GND |
| 5.680000 | 38.80 | 11.1 | 50 | 11.2 | AV | L1 | GND |
| 19.595000 | 37.30 | 11.3 | 50 | 12.7 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

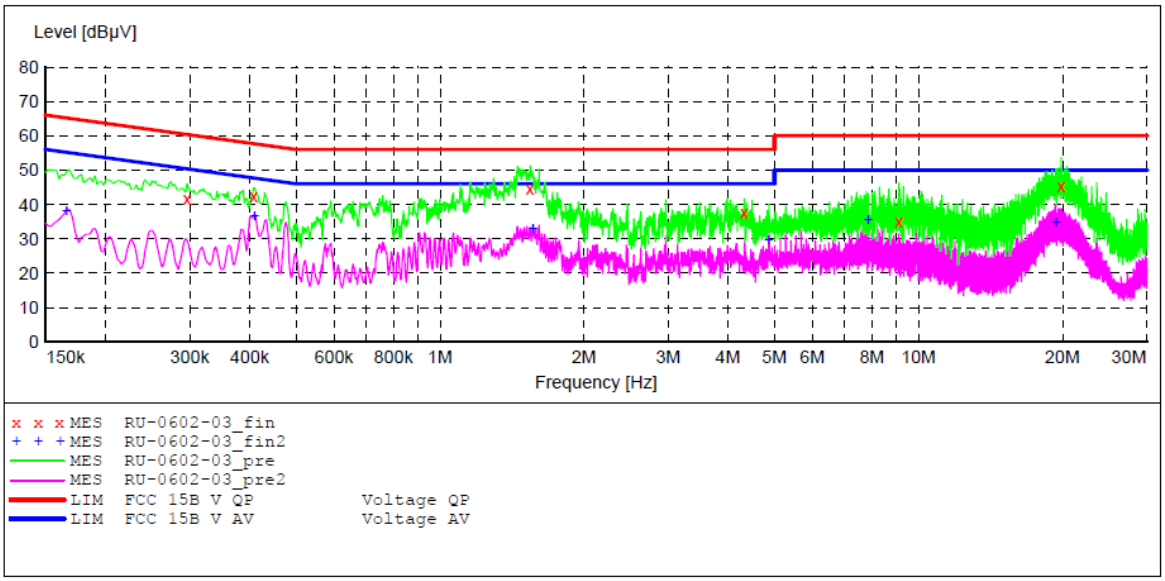
***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                  Interactive Flat Panel  M/N:ST-860U
Manufacturer:         Recordex USA, Inc.
Operating Condition:  Mmemory Play
Test Site:            2#Shielding Room
Operator:             DING
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20170899
Start of Test:        2017-6-2 / 17:52:47
```

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-03_fin"***

2017-6-2 17:54

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.296000 | 41.50 | 10.5 | 60 | 18.9 | QP | N | GND |
| 0.408000 | 42.30 | 10.6 | 58 | 15.4 | QP | N | GND |
| 1.544000 | 44.60 | 10.8 | 56 | 11.4 | QP | N | GND |
| 4.325000 | 37.60 | 11.0 | 56 | 18.4 | QP | N | GND |
| 9.110000 | 34.90 | 11.2 | 60 | 25.1 | QP | N | GND |
| 19.870000 | 45.20 | 11.3 | 60 | 14.8 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-03_fin2"***

2017-6-2 17:54

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.166000 | 38.40 | 10.4 | 55 | 16.8 | AV | N | GND |
| 0.410000 | 36.90 | 10.6 | 48 | 10.7 | AV | N | GND |
| 1.564000 | 33.20 | 10.8 | 46 | 12.8 | AV | N | GND |
| 4.870000 | 29.90 | 11.1 | 46 | 16.1 | AV | N | GND |
| 7.845000 | 35.80 | 11.1 | 50 | 14.2 | AV | N | GND |
| 19.370000 | 35.10 | 11.3 | 50 | 14.9 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

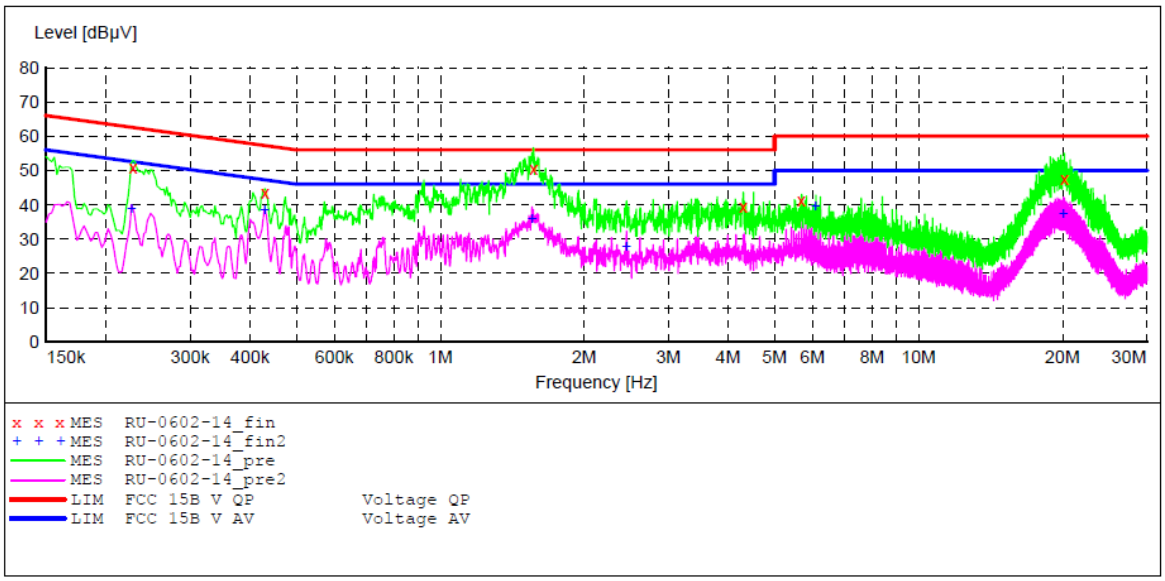
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: DP IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:03:45

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-14_fin"***

2017-6-2 19:08

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.228000 | 50.80 | 10.5 | 63 | 11.7 | QP | N | GND |
| 0.430000 | 43.60 | 10.6 | 57 | 13.7 | QP | N | GND |
| 1.566000 | 50.30 | 10.8 | 56 | 5.7 | QP | N | GND |
| 4.300000 | 39.60 | 11.0 | 56 | 16.4 | QP | N | GND |
| 5.690000 | 41.40 | 11.1 | 60 | 18.6 | QP | N | GND |
| 20.175000 | 47.40 | 11.3 | 60 | 12.6 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-14_fin2"***

2017-6-2 19:08

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.226000 | 38.90 | 10.5 | 53 | 13.7 | AV | N | GND |
| 0.430000 | 38.60 | 10.6 | 47 | 8.7 | AV | N | GND |
| 1.554000 | 36.30 | 10.8 | 46 | 9.7 | AV | N | GND |
| 2.450000 | 28.00 | 10.9 | 46 | 18.0 | AV | N | GND |
| 6.095000 | 39.90 | 11.1 | 50 | 10.1 | AV | N | GND |
| 20.060000 | 37.50 | 11.3 | 50 | 12.5 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

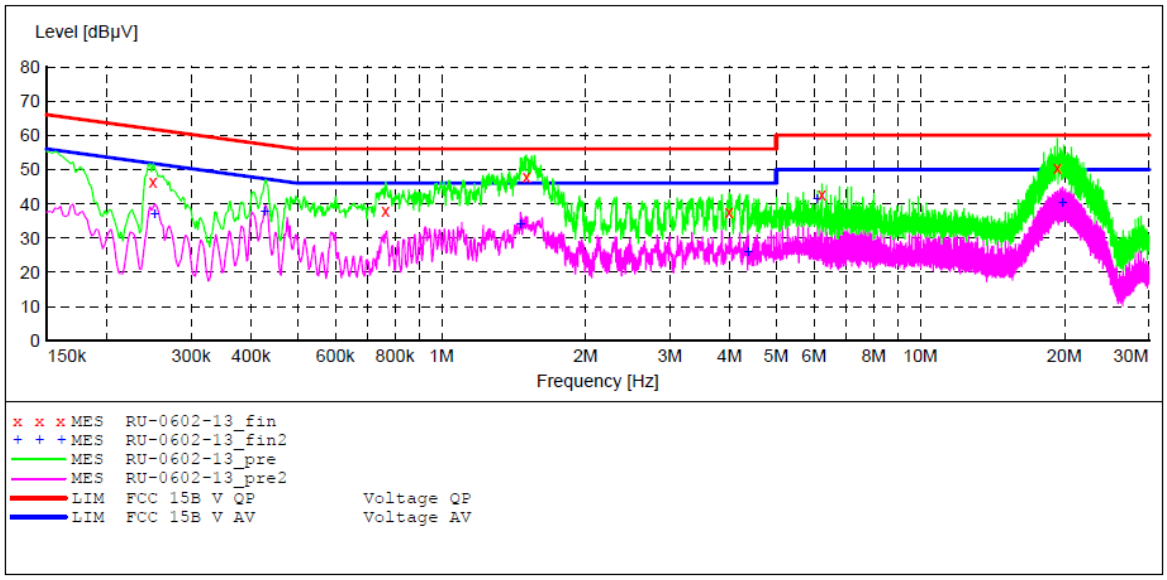
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: DP IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 18:57:49

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-13_fin"***

2017-6-2 19:03

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.250000 | 46.50 | 10.5 | 62 | 15.3 | QP | L1 | GND |
| 0.764000 | 38.00 | 10.7 | 56 | 18.0 | QP | L1 | GND |
| 1.504000 | 47.80 | 10.8 | 56 | 8.2 | QP | L1 | GND |
| 3.985000 | 37.60 | 11.0 | 56 | 18.4 | QP | L1 | GND |
| 6.230000 | 42.70 | 11.1 | 60 | 17.3 | QP | L1 | GND |
| 19.310000 | 50.40 | 11.3 | 60 | 9.6 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-13_fin2"***

2017-6-2 19:03

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.252000 | 37.40 | 10.5 | 52 | 14.3 | AV | L1 | GND |
| 0.428000 | 37.90 | 10.6 | 47 | 9.4 | AV | L1 | GND |
| 1.462000 | 34.30 | 10.8 | 46 | 11.7 | AV | L1 | GND |
| 4.365000 | 26.10 | 11.0 | 46 | 19.9 | AV | L1 | GND |
| 6.095000 | 41.60 | 11.1 | 50 | 8.4 | AV | L1 | GND |
| 19.805000 | 40.70 | 11.3 | 50 | 9.3 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

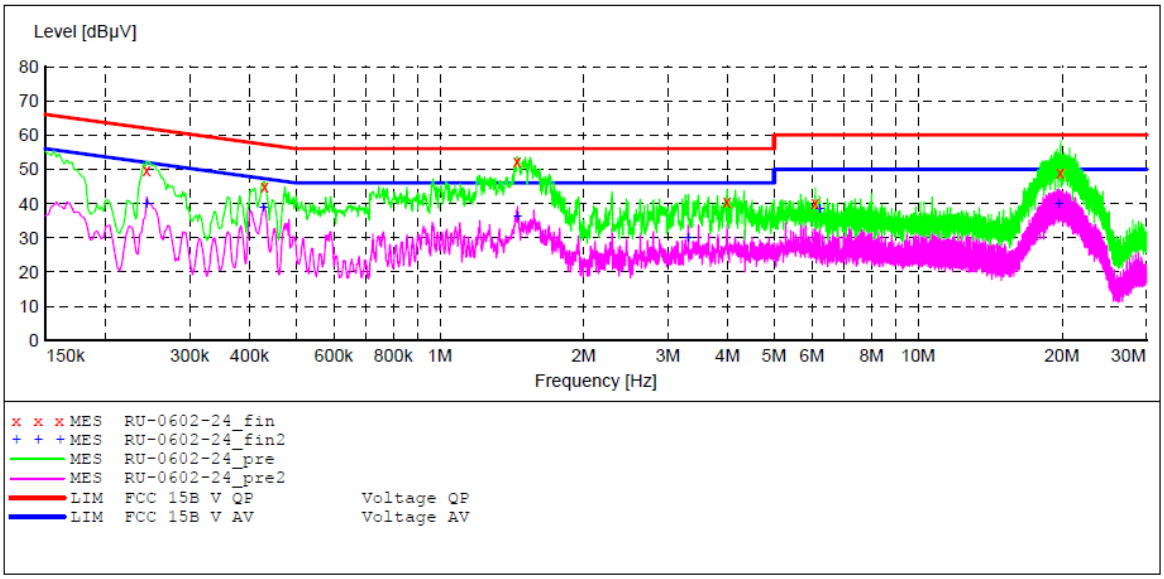
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: USB PLAY
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:36:50

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-24_fin"***

2017-6-2 19:39

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 49.80 | 10.5 | 62 | 12.2 | QP | L1 | GND |
| 0.430000 | 45.00 | 10.6 | 57 | 12.3 | QP | L1 | GND |
| 1.450000 | 52.20 | 10.8 | 56 | 3.8 | QP | L1 | GND |
| 3.985000 | 40.60 | 11.0 | 56 | 15.4 | QP | L1 | GND |
| 6.095000 | 40.10 | 11.1 | 60 | 19.9 | QP | L1 | GND |
| 19.855000 | 48.90 | 11.3 | 60 | 11.1 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-24_fin2"***

2017-6-2 19:39

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 40.20 | 10.5 | 52 | 11.8 | AV | L1 | GND |
| 0.428000 | 39.10 | 10.6 | 47 | 8.2 | AV | L1 | GND |
| 1.454000 | 36.50 | 10.8 | 46 | 9.5 | AV | L1 | GND |
| 3.305000 | 30.10 | 11.0 | 46 | 15.9 | AV | L1 | GND |
| 6.230000 | 38.80 | 11.1 | 50 | 11.2 | AV | L1 | GND |
| 19.690000 | 40.20 | 11.3 | 50 | 9.8 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

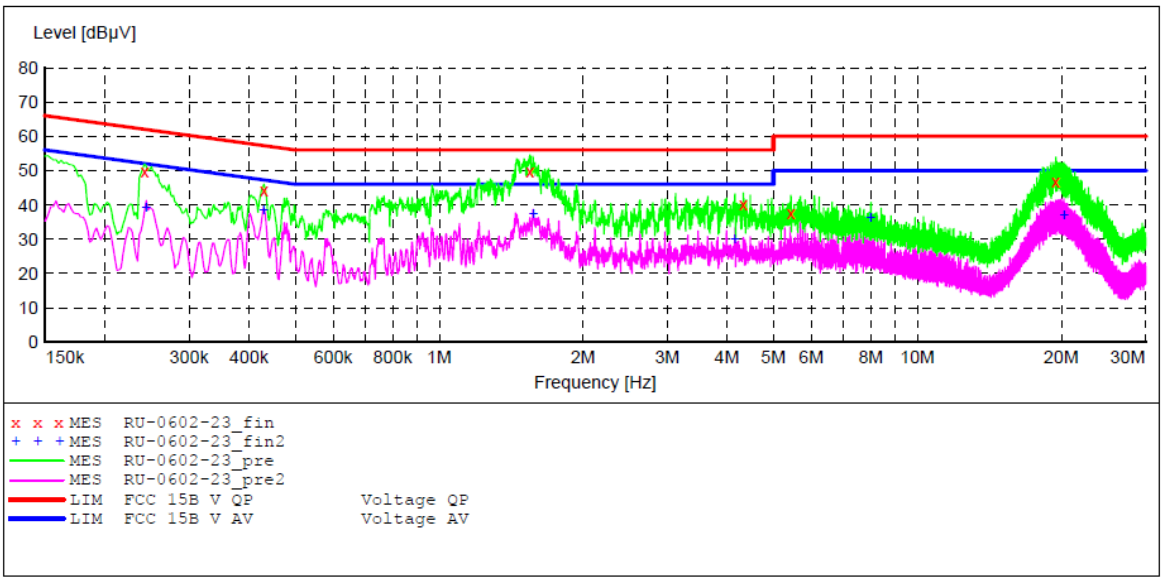
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: USB PLAY
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:33:14

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-23_fin"***

2017-6-2 19:34

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.242000 | 49.70 | 10.5 | 62 | 12.3 | QP | N | GND |
| 0.430000 | 44.40 | 10.6 | 57 | 12.9 | QP | N | GND |
| 1.548000 | 49.90 | 10.8 | 56 | 6.1 | QP | N | GND |
| 4.325000 | 40.10 | 11.0 | 56 | 15.9 | QP | N | GND |
| 5.435000 | 37.70 | 11.1 | 60 | 22.3 | QP | N | GND |
| 19.465000 | 46.70 | 11.3 | 60 | 13.3 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-23_fin2"***

2017-6-2 19:34

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 39.40 | 10.5 | 52 | 12.6 | AV | N | GND |
| 0.430000 | 38.80 | 10.6 | 47 | 8.5 | AV | N | GND |
| 1.572000 | 37.60 | 10.8 | 46 | 8.4 | AV | N | GND |
| 4.155000 | 30.40 | 11.0 | 46 | 15.6 | AV | N | GND |
| 7.990000 | 36.70 | 11.2 | 50 | 13.3 | AV | N | GND |
| 20.245000 | 37.30 | 11.3 | 50 | 12.7 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

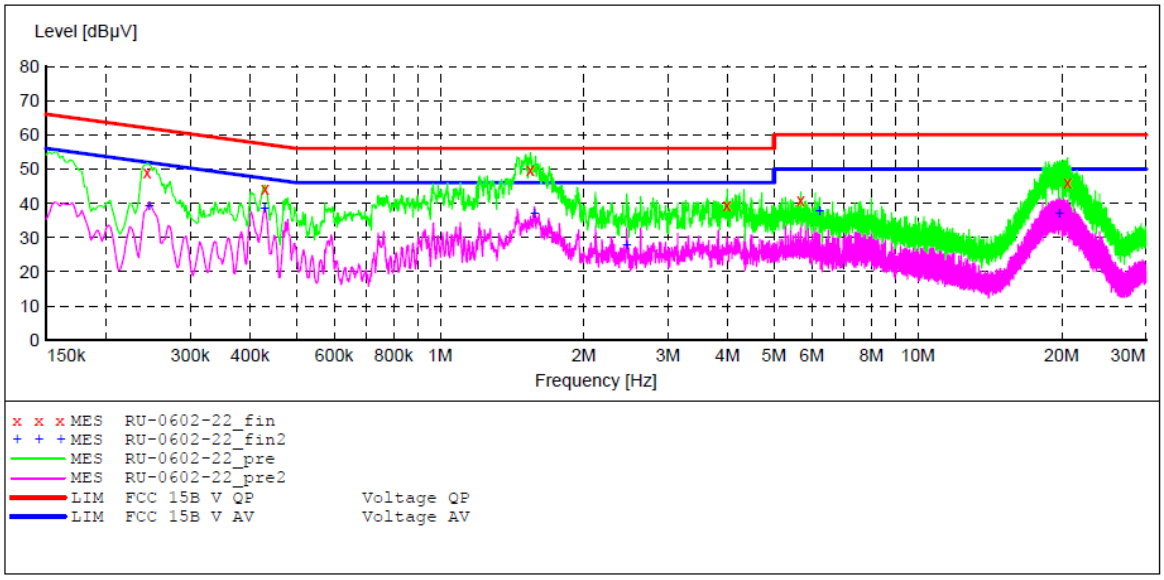
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: Mmemory Play
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:30:20

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-22_fin"***

2017-6-2 19:32

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 49.10 | 10.5 | 62 | 12.9 | QP | N | GND |
| 0.430000 | 44.30 | 10.6 | 57 | 13.0 | QP | N | GND |
| 1.546000 | 49.90 | 10.8 | 56 | 6.1 | QP | N | GND |
| 3.990000 | 39.50 | 11.0 | 56 | 16.5 | QP | N | GND |
| 5.685000 | 41.00 | 11.1 | 60 | 19.0 | QP | N | GND |
| 20.590000 | 46.00 | 11.3 | 60 | 14.0 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-22_fin2"***

2017-6-2 19:32

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 39.60 | 10.5 | 52 | 12.3 | AV | N | GND |
| 0.430000 | 38.80 | 10.6 | 47 | 8.5 | AV | N | GND |
| 1.576000 | 37.10 | 10.8 | 46 | 8.9 | AV | N | GND |
| 2.460000 | 28.00 | 10.9 | 46 | 18.0 | AV | N | GND |
| 6.230000 | 38.10 | 11.1 | 50 | 11.9 | AV | N | GND |
| 19.780000 | 37.30 | 11.3 | 50 | 12.7 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

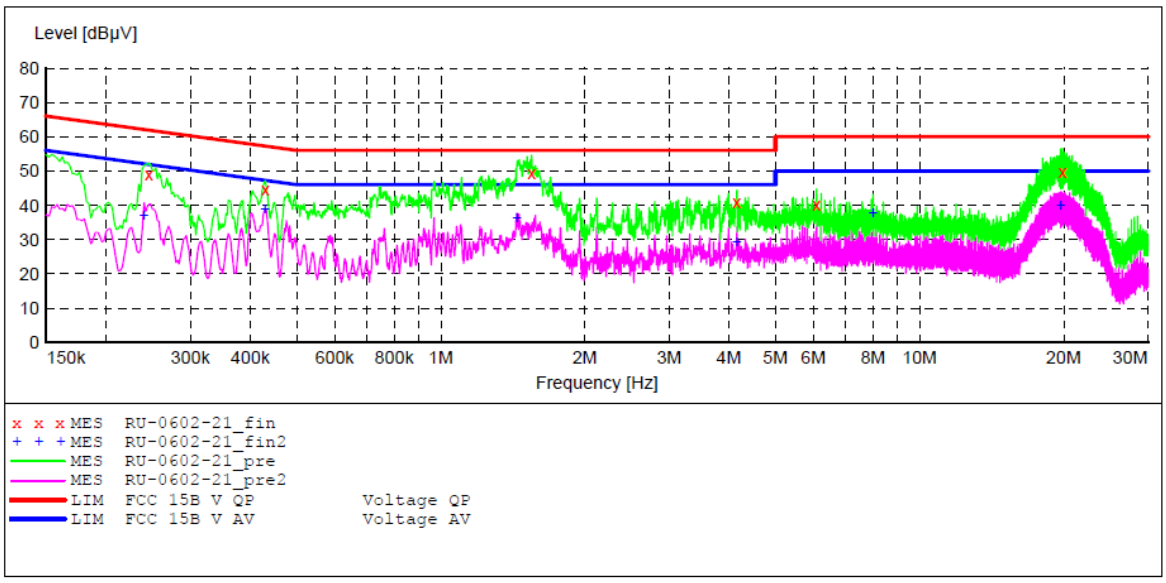
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: Mmemory Play
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:26:47

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-21_fin"***

2017-6-2 19:29

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 48.90 | 10.5 | 62 | 13.0 | QP | L1 | GND |
| 0.430000 | 44.70 | 10.6 | 57 | 12.6 | QP | L1 | GND |
| 1.548000 | 49.20 | 10.8 | 56 | 6.8 | QP | L1 | GND |
| 4.155000 | 40.90 | 11.0 | 56 | 15.1 | QP | L1 | GND |
| 6.090000 | 40.00 | 11.1 | 60 | 20.0 | QP | L1 | GND |
| 19.880000 | 49.70 | 11.3 | 60 | 10.3 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-21_fin2"***

2017-6-2 19:29

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.240000 | 37.10 | 10.5 | 52 | 15.0 | AV | L1 | GND |
| 0.430000 | 39.10 | 10.6 | 47 | 8.2 | AV | L1 | GND |
| 1.442000 | 36.40 | 10.8 | 46 | 9.6 | AV | L1 | GND |
| 4.150000 | 29.40 | 11.0 | 46 | 16.6 | AV | L1 | GND |
| 7.990000 | 37.90 | 11.2 | 50 | 12.1 | AV | L1 | GND |
| 19.695000 | 40.20 | 11.3 | 50 | 9.8 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

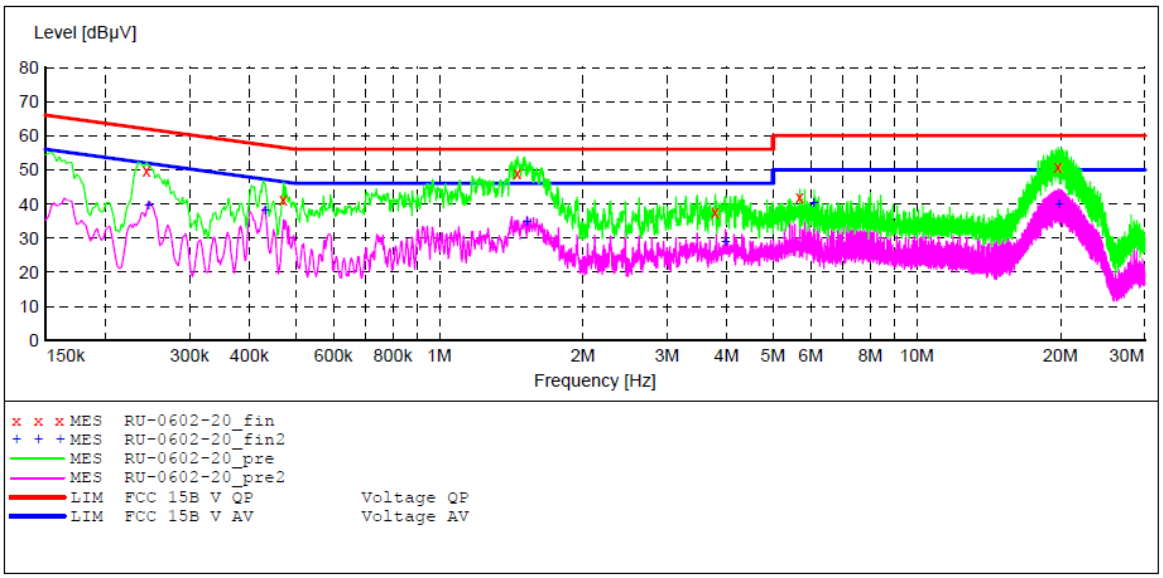
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: VGA IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:24:32

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-20_fin"***

2017-6-2 19:26

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 49.60 | 10.5 | 62 | 12.4 | QP | L1 | GND |
| 0.472000 | 41.20 | 10.6 | 57 | 15.3 | QP | L1 | GND |
| 1.458000 | 48.90 | 10.8 | 56 | 7.1 | QP | L1 | GND |
| 3.780000 | 37.70 | 11.0 | 56 | 18.3 | QP | L1 | GND |
| 5.690000 | 42.10 | 11.1 | 60 | 17.9 | QP | L1 | GND |
| 19.755000 | 50.90 | 11.3 | 60 | 9.1 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-20_fin2"***

2017-6-2 19:26

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 39.80 | 10.5 | 52 | 12.1 | AV | L1 | GND |
| 0.432000 | 38.40 | 10.6 | 47 | 8.8 | AV | L1 | GND |
| 1.528000 | 35.10 | 10.8 | 46 | 10.9 | AV | L1 | GND |
| 3.975000 | 29.30 | 11.0 | 46 | 16.7 | AV | L1 | GND |
| 6.095000 | 40.60 | 11.1 | 50 | 9.4 | AV | L1 | GND |
| 19.855000 | 40.10 | 11.3 | 50 | 9.9 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

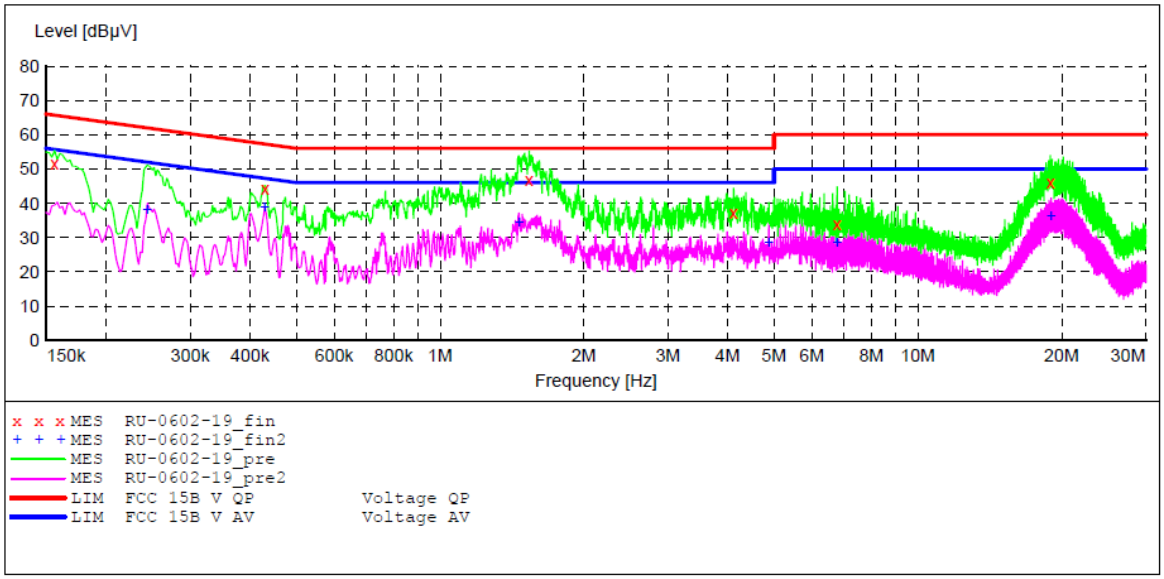
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: VGA IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:20:57

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-19_fin"***

2017-6-2 19:23

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.156000 | 51.50 | 10.4 | 66 | 14.2 | QP | N | GND |
| 0.430000 | 44.10 | 10.6 | 57 | 13.2 | QP | N | GND |
| 1.536000 | 46.80 | 10.8 | 56 | 9.2 | QP | N | GND |
| 4.115000 | 37.30 | 11.0 | 56 | 18.7 | QP | N | GND |
| 6.770000 | 33.80 | 11.1 | 60 | 26.2 | QP | N | GND |
| 18.925000 | 46.10 | 11.3 | 60 | 13.9 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-19_fin2"***

2017-6-2 19:23

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.244000 | 38.30 | 10.5 | 52 | 13.7 | AV | N | GND |
| 0.430000 | 39.00 | 10.6 | 47 | 8.3 | AV | N | GND |
| 1.462000 | 34.80 | 10.8 | 46 | 11.2 | AV | N | GND |
| 4.875000 | 28.60 | 11.1 | 46 | 17.4 | AV | N | GND |
| 6.770000 | 28.70 | 11.1 | 50 | 21.3 | AV | N | GND |
| 18.995000 | 36.60 | 11.3 | 50 | 13.4 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

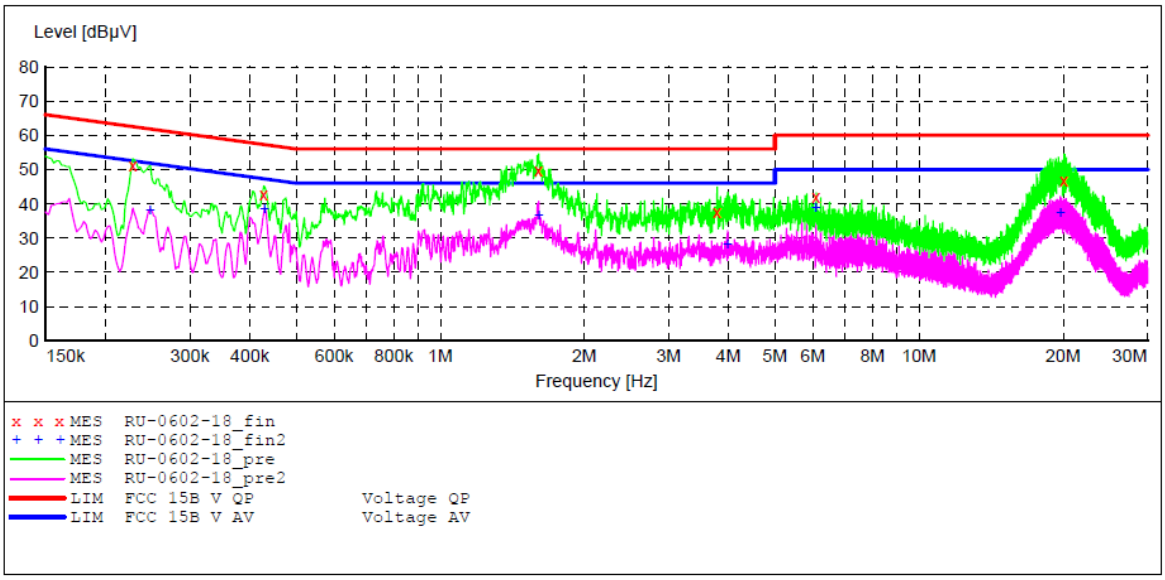
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: HDMI IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:18:16

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-18_fin"***

2017-6-2 19:19

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.228000 | 51.20 | 10.5 | 63 | 11.3 | QP | N | GND |
| 0.428000 | 42.80 | 10.6 | 57 | 14.5 | QP | N | GND |
| 1.604000 | 49.70 | 10.9 | 56 | 6.3 | QP | N | GND |
| 3.785000 | 37.80 | 11.0 | 56 | 18.2 | QP | N | GND |
| 6.095000 | 42.10 | 11.1 | 60 | 17.9 | QP | N | GND |
| 20.065000 | 46.80 | 11.3 | 60 | 13.2 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-18_fin2"***

2017-6-2 19:19

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 38.50 | 10.5 | 52 | 13.3 | AV | N | GND |
| 0.430000 | 38.60 | 10.6 | 47 | 8.7 | AV | N | GND |
| 1.604000 | 36.90 | 10.9 | 46 | 9.1 | AV | N | GND |
| 3.980000 | 28.50 | 11.0 | 46 | 17.5 | AV | N | GND |
| 6.095000 | 39.20 | 11.1 | 50 | 10.8 | AV | N | GND |
| 19.730000 | 37.80 | 11.3 | 50 | 12.2 | AV | N | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

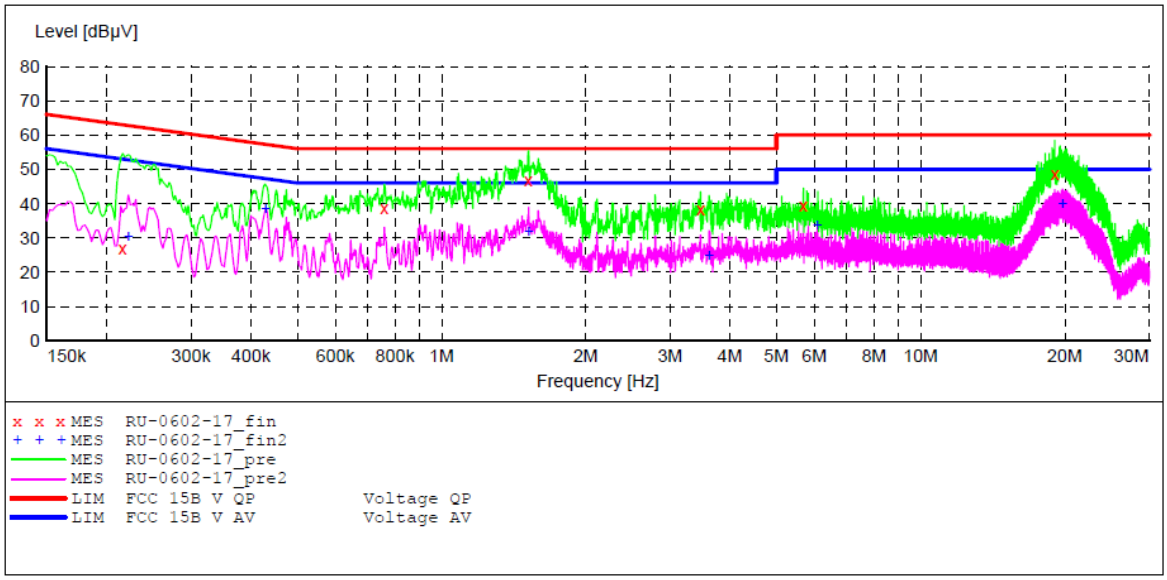
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: HDMI IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: L 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:13:57

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-17_fin"***

2017-6-2 19:15

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.216000 | 27.00 | 10.5 | 63 | 36.0 | QP | L1 | GND |
| 0.760000 | 38.60 | 10.7 | 56 | 17.4 | QP | L1 | GND |
| 1.518000 | 46.80 | 10.8 | 56 | 9.2 | QP | L1 | GND |
| 3.470000 | 38.30 | 11.0 | 56 | 17.7 | QP | L1 | GND |
| 5.690000 | 39.40 | 11.1 | 60 | 20.6 | QP | L1 | GND |
| 19.050000 | 48.70 | 11.3 | 60 | 11.3 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-17_fin2"***

2017-6-2 19:15

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.222000 | 30.70 | 10.5 | 53 | 22.0 | AV | L1 | GND |
| 0.430000 | 38.80 | 10.6 | 47 | 8.5 | AV | L1 | GND |
| 1.520000 | 32.10 | 10.8 | 46 | 13.9 | AV | L1 | GND |
| 3.615000 | 25.20 | 11.0 | 46 | 20.8 | AV | L1 | GND |
| 6.095000 | 34.00 | 11.1 | 50 | 16.0 | AV | L1 | GND |
| 19.760000 | 40.20 | 11.3 | 50 | 9.8 | AV | L1 | GND |

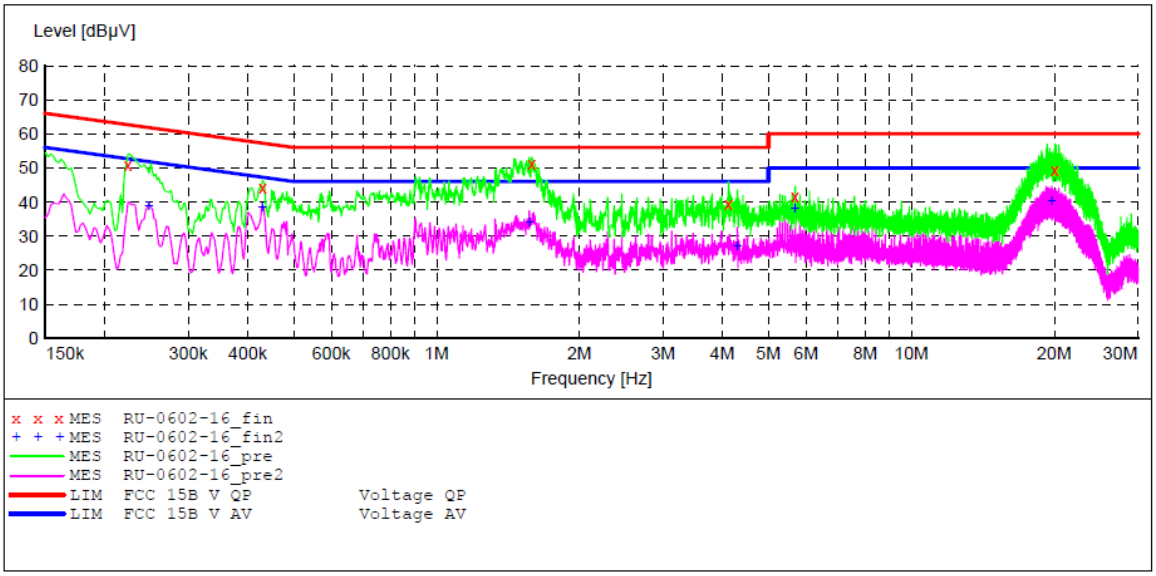
***ACCURATE TECHNOLOGY CO.,LTD***

***CONDUCTED EMISSION STANDARD FCC PART15B***

```
EUT:                 Interactive Flat Panel  M/N:ST-860U
Manufacturer:        Recordex USA, Inc.
Operating Condition: AV IN
Test Site:           2#Shielding Room
Operator:            DING
Test Specification:  L   120V/60Hz
Comment:             Report NO.:ATE20170899
Start of Test:       2017-6-2 / 19:11:24
```

***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    NSLK8126 2008
                                  Average
```




***MEASUREMENT RESULT: "RU-0602-16_fin"***

2017-6-2 19:13

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.224000 | 51.00 | 10.5 | 63 | 11.7 | QP | L1 | GND |
| 0.430000 | 44.10 | 10.6 | 57 | 13.2 | QP | L1 | GND |
| 1.586000 | 51.10 | 10.9 | 56 | 4.9 | QP | L1 | GND |
| 4.120000 | 39.40 | 11.0 | 56 | 16.6 | QP | L1 | GND |
| 5.690000 | 41.80 | 11.1 | 60 | 18.2 | QP | L1 | GND |
| 20.055000 | 49.50 | 11.3 | 60 | 10.5 | QP | L1 | GND |

***MEASUREMENT RESULT: "RU-0602-16_fin2"***

2017-6-2 19:13

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.248000 | 39.00 | 10.5 | 52 | 12.8 | AV | L1 | GND |
| 0.430000 | 38.80 | 10.6 | 47 | 8.5 | AV | L1 | GND |
| 1.568000 | 34.20 | 10.8 | 46 | 11.8 | AV | L1 | GND |
| 4.300000 | 27.50 | 11.0 | 46 | 18.5 | AV | L1 | GND |
| 5.690000 | 38.50 | 11.1 | 50 | 11.5 | AV | L1 | GND |
| 19.735000 | 40.40 | 11.3 | 50 | 9.6 | AV | L1 | GND |

***ACCURATE TECHNOLOGY CO.,LTD***

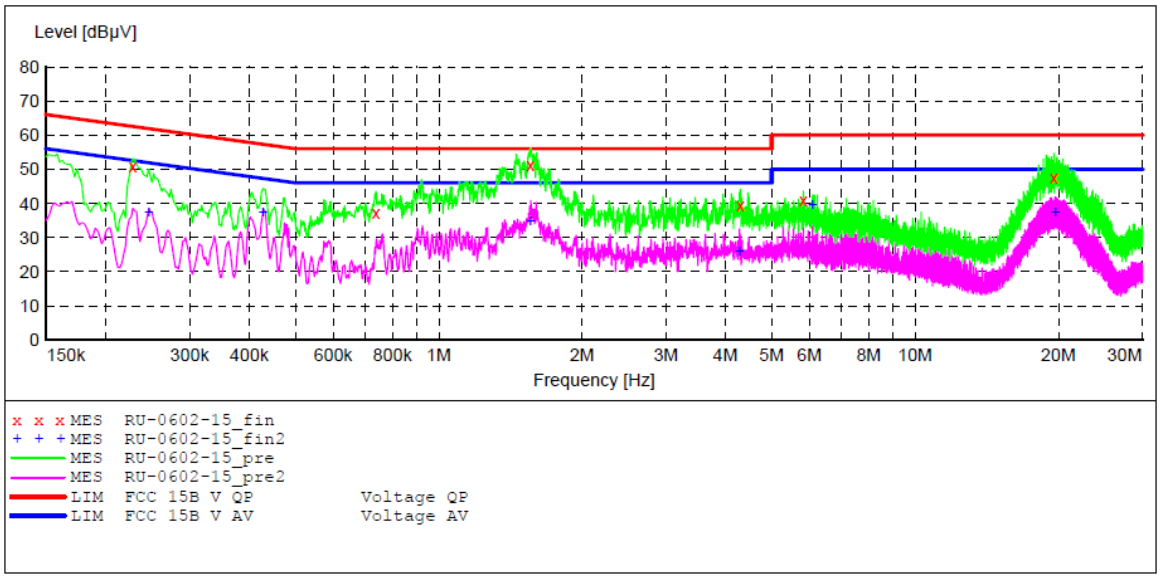
***CONDUCTED EMISSION STANDARD FCC PART15B***

EUT: Interactive Flat Panel M/N:ST-860U
Manufacturer: Recordex USA, Inc.
Operating Condition: AV IN
Test Site: 2#Shielding Room
Operator: DING
Test Specification: N 120V/60Hz
Comment: Report NO.:ATE20170899
Start of Test: 2017-6-2 / 19:09:08

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

Short Description: _SUB_STD_VTERM2 1.70

| Start Frequency | Stop Frequency | Step Width | Detector | Meas. Time | IF Bandw. | Transducer |
|---|---|---|---|---|---|---|
| 150.0 kHz | 30.0 MHz | 4.5 kHz | QuasiPeak<br>Average | 1.0 s | 9 kHz | NSLK8126 2008 |




***MEASUREMENT RESULT: "RU-0602-15_fin"***

2017-6-2 19:10

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.228000 | 51.00 | 10.5 | 63 | 11.5 | QP | N | GND |
| 0.738000 | 37.30 | 10.7 | 56 | 18.7 | QP | N | GND |
| 1.560000 | 51.20 | 10.8 | 56 | 4.8 | QP | N | GND |
| 4.300000 | 39.60 | 11.0 | 56 | 16.4 | QP | N | GND |
| 5.825000 | 40.80 | 11.1 | 60 | 19.2 | QP | N | GND |
| 19.560000 | 47.60 | 11.3 | 60 | 12.4 | QP | N | GND |

***MEASUREMENT RESULT: "RU-0602-15_fin2"***

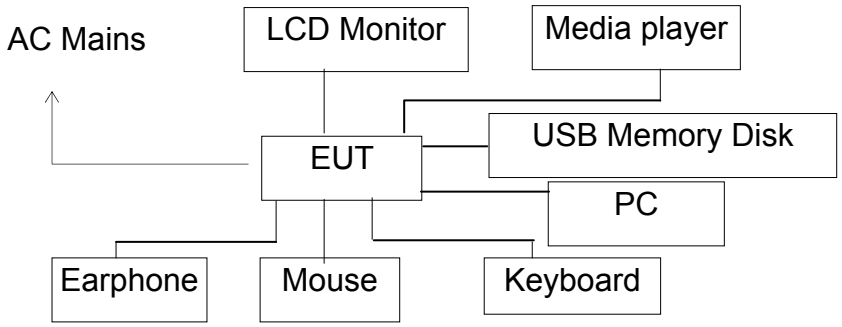
2017-6-2 19:10

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.246000 | 37.80 | 10.5 | 52 | 14.1 | AV | N | GND |
| 0.428000 | 37.70 | 10.6 | 47 | 9.6 | AV | N | GND |
| 1.560000 | 34.90 | 10.8 | 46 | 11.1 | AV | N | GND |
| 4.280000 | 26.10 | 11.0 | 46 | 19.9 | AV | N | GND |
| 6.095000 | 39.70 | 11.1 | 50 | 10.3 | AV | N | GND |
| 19.675000 | 37.70 | 11.3 | 50 | 12.3 | AV | N | GND |

# 5. RADIATED EMISSION MEASUREMENT

## 5.1.Block Diagram of Test

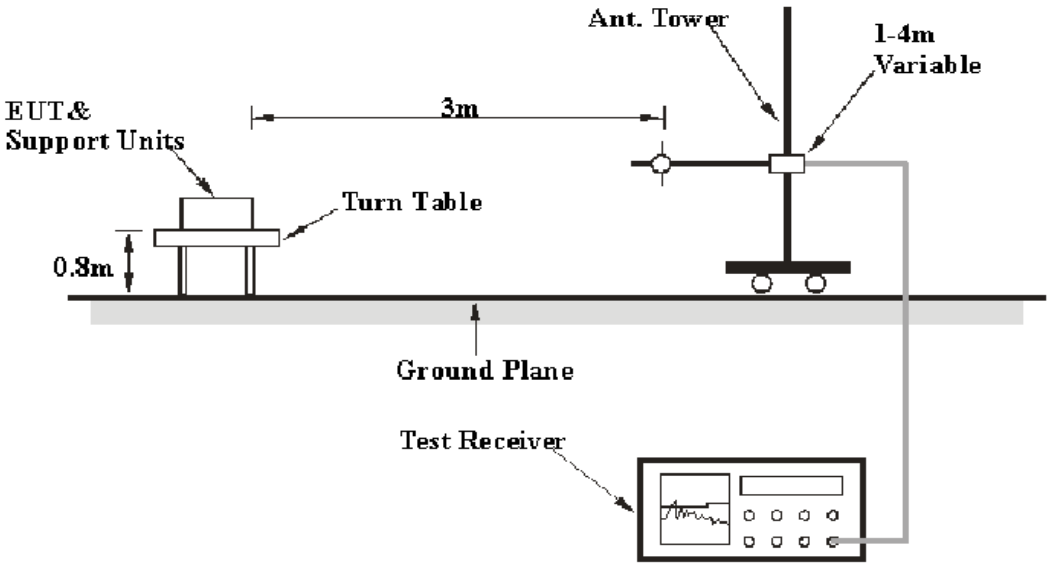
### 5.1.1.Block diagram of connection between the EUT and simulators



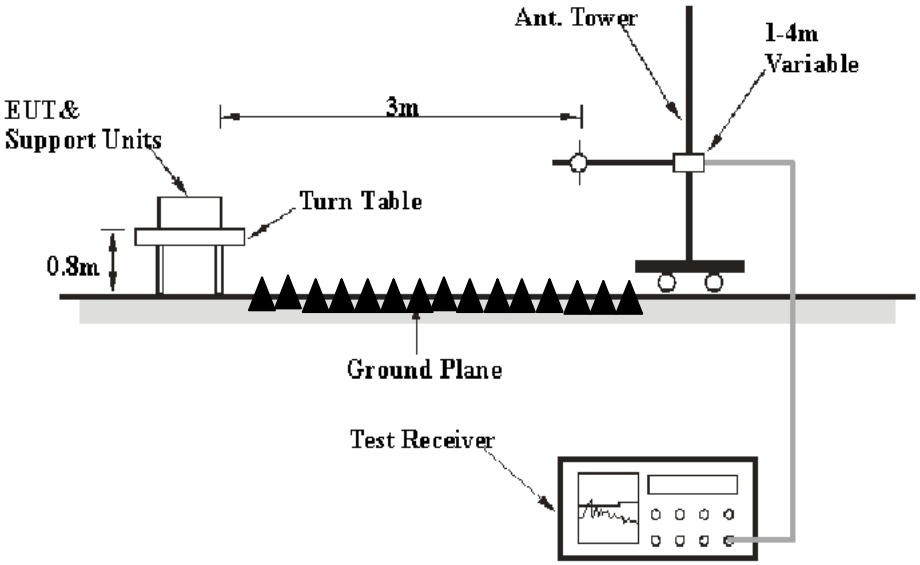

(EUT: Interactive Flat Panel)

### 5.1.2.Test System Setup

Below 1GHz:



Above 1GHz:




## 5.2.Test mode description

Test mode 1: USB Playing
Test mode 2: AV IN
Test mode 3: VGA IN
Test mode 4: DP IN
Test mode 5: HDMI IN
Test mode 6: Memory Playing

## 5.3.DATA SAMPLE

| Frequency (MHz) | Reading (dBμv) | Factor (dB/m) | Result (dBμv/m) | Limit (dBμv/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|
| X.XX | 46.53 | -13.62 | 33.91 | 40.0 | -6.09 | QP |

Frequency(MHz) = Emission frequency in MHz
Reading(dBμv) = Uncorrected Analyzer/Receiver reading
Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain
Result(dBμv/m) = Reading(dBμv) + Factor(dB/m)
Limit (dBμv/m) = Limit stated in standard
Margin (dB) = Result(dBμv/m) - Limit (dBμv/m)
QP = Quasi-peak Reading

Calculation Formula:
Margin(dB) = Result (dBμV/m)–Limit(dBμV/m)
Result(dBμV/m)= Reading(dBμV)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

## 5.4.Radiated Emission Limit (Class B)

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

| Frequency MHz | Distance Meters | Field Strengths Limit | |
|---|---|---|---|
| | | μV/m | dB(μV/m) |
| 30-88 | 3 | 100 | 40.0 |
| 88-216 | 3 | 150 | 43.5 |
| 216-960 | 3 | 200 | 46.0 |
| Above 960 | 3 | 500 | 54.0 |
| Remark:<br>(1) Emission level dB(μV) = 20 log Emission level μV/m.<br>(2) The smaller limit shall apply at the cross point between two frequency bands.<br>(3) Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system. | | | |

## 5.5.Manufacturer

The following equipments are 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.

### 5.5.1.Interactive Flat Panel (EUT)

Model Number**:** ST-860U
Manufacturer**:** Recordex USA, Inc.

## 5.6.Operating Condition of EUT

5.6.1.Setup the EUT and simulator as shown as Section 5.1

5.6.2.Turn on the power of all equipment.

5.6.3.Let the EUT work in test mode and measure it.

## 5.7.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.

The frequency range from 9kHz to 26500MHz is checked.
Note: The EUT highest operating frequency provided by Manufacturer is 1.2GHz and include 2.4GHz wifi, the radiated emission measurement shall be made up to 26.5 GHz

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz) |
|---|---|
| Below 1.705 ..... | 30. |
| 1.705–108 ..... | 1000. |
| 108–500 ..... | 2000. |
| 500–1000 ..... | 5000. |
| Above 1000 ..... | 5th harmonic of the highest frequency or 40 GHz, whichever is lower. |

## 5.8.Radiated Emission Noise Measurement Result

**PASS.**

The frequency range from 9kHz to 26500MHz is investigated.

The radiation emissions from 9kHz-30MHz is not reported, because the test values lower than the limits of 20dB.

The spectral diagrams are attached as below.

Below 1GHz

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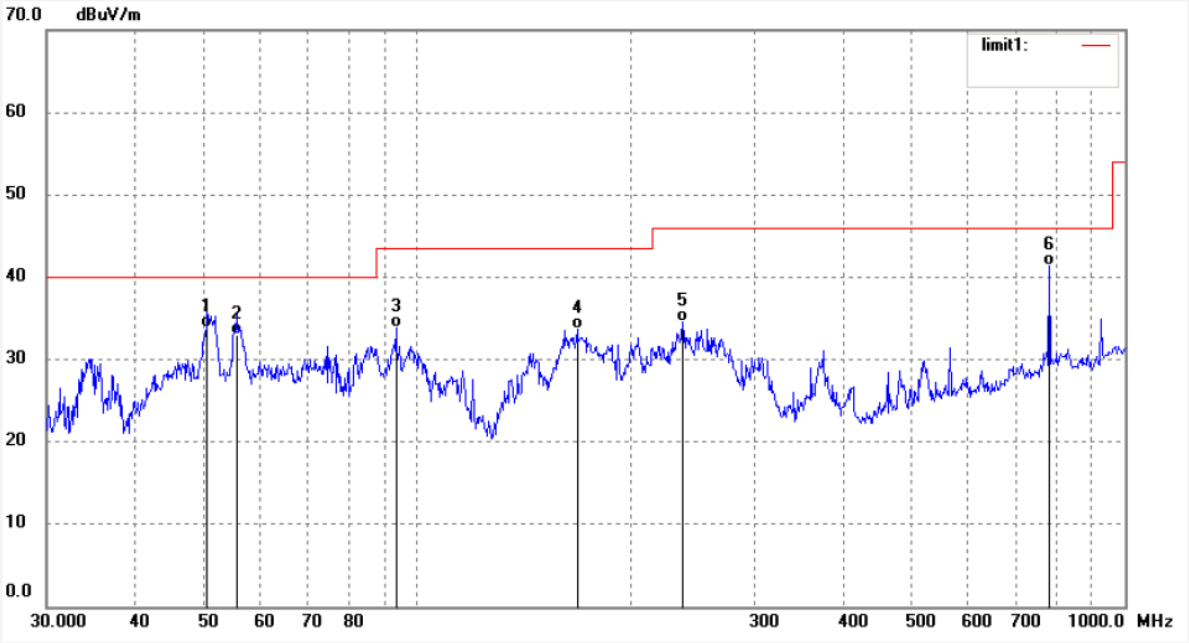
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: DING #1149
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: Mmemory Play
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/33/07
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.5859 | 46.53 | -12.62 | 33.91 | 40.00 | -6.09 | QP | | | |
| 2 | 55.6094 | 46.01 | -13.06 | 32.95 | 40.00 | -7.05 | QP | | | |
| 3 | 93.4402 | 48.73 | -14.83 | 33.90 | 43.50 | -9.60 | QP | | | |
| 4 | 168.4138 | 47.41 | -13.79 | 33.62 | 43.50 | -9.88 | QP | | | |
| 5 | 237.4758 | 45.27 | -10.75 | 34.52 | 46.00 | -11.48 | QP | | | |
| 6 | 782.3452 | 40.94 | 0.41 | 41.35 | 46.00 | -4.65 | QP | | | |

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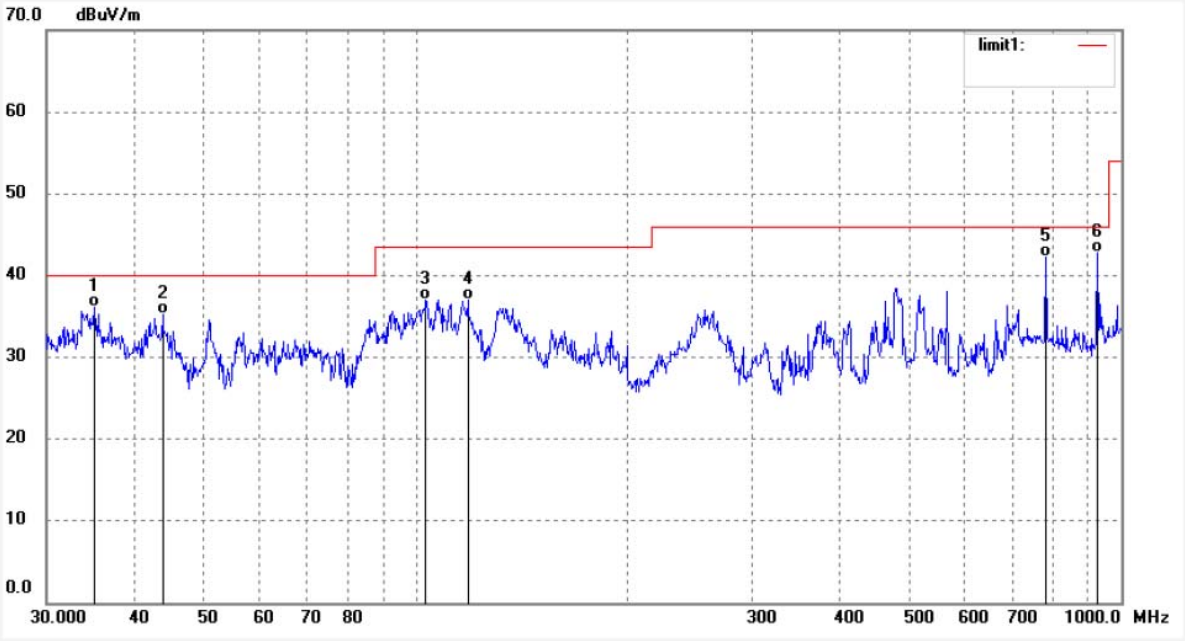
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: DING #1150
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: Mmemory Play
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/34/04
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.0048 | 46.52 | -10.41 | 36.11 | 40.00 | -3.89 | QP | | | |
| 2 | 43.8119 | 47.68 | -12.37 | 35.31 | 40.00 | -4.69 | QP | | | |
| 3 | 103.4419 | 50.63 | -13.61 | 37.02 | 43.50 | -6.48 | QP | | | |
| 4 | 118.6012 | 50.00 | -13.05 | 36.95 | 43.50 | -6.55 | QP | | | |
| 5 | 782.3451 | 41.84 | 0.41 | 42.25 | 46.00 | -3.75 | QP | | | |
| 6 | 925.7563 | 40.18 | 2.66 | 42.84 | 46.00 | -3.16 | QP | | | |

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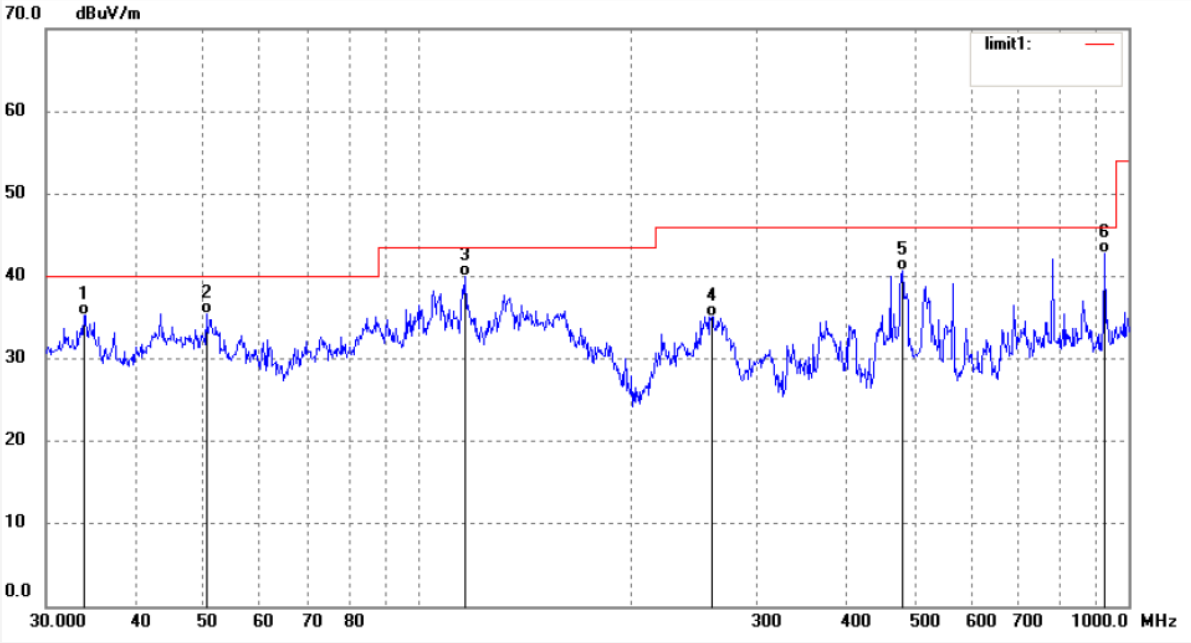
Fax:+86-0755-26503396

Job No.: DING #1151
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: HDMI IN
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/42/27
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.9174 | 45.39 | -10.10 | 35.29 | 40.00 | -4.71 | QP | | | |
| 2 | 50.4089 | 48.06 | -12.62 | 35.44 | 40.00 | -4.56 | QP | | | |
| 3 | 116.5400 | 53.10 | -13.06 | 40.04 | 43.50 | -3.46 | QP | | | |
| 4 | 259.2336 | 45.58 | -10.49 | 35.09 | 46.00 | -10.91 | QP | | | |
| 5 | 480.5276 | 45.49 | -4.88 | 40.61 | 46.00 | -5.39 | QP | | | |
| 6 | 925.7563 | 40.21 | 2.66 | 42.87 | 46.00 | -3.13 | QP | | | |

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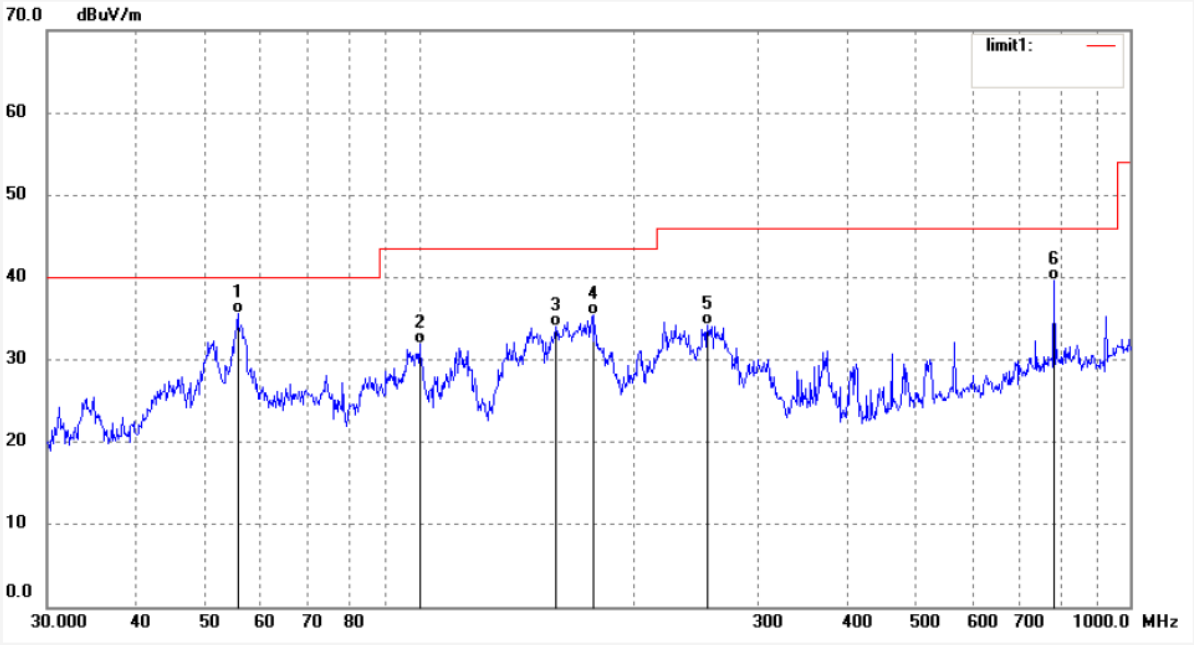
Fax:+86-0755-26503396

Job No.: DING #1152
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: HDMI IN
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/43/17
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.6094 | 48.68 | -13.06 | 35.62 | 40.00 | -4.38 | QP | | | |
| 2 | 100.2286 | 45.01 | -13.09 | 31.92 | 43.50 | -11.58 | QP | | | |
| 3 | 155.9100 | 48.90 | -14.87 | 34.03 | 43.50 | -9.47 | QP | | | |
| 4 | 175.6516 | 48.86 | -13.47 | 35.39 | 43.50 | -8.11 | QP | | | |
| 5 | 254.7283 | 44.75 | -10.53 | 34.22 | 46.00 | -11.78 | QP | | | |
| 6 | 782.3452 | 39.30 | 0.41 | 39.71 | 46.00 | -6.29 | QP | | | |

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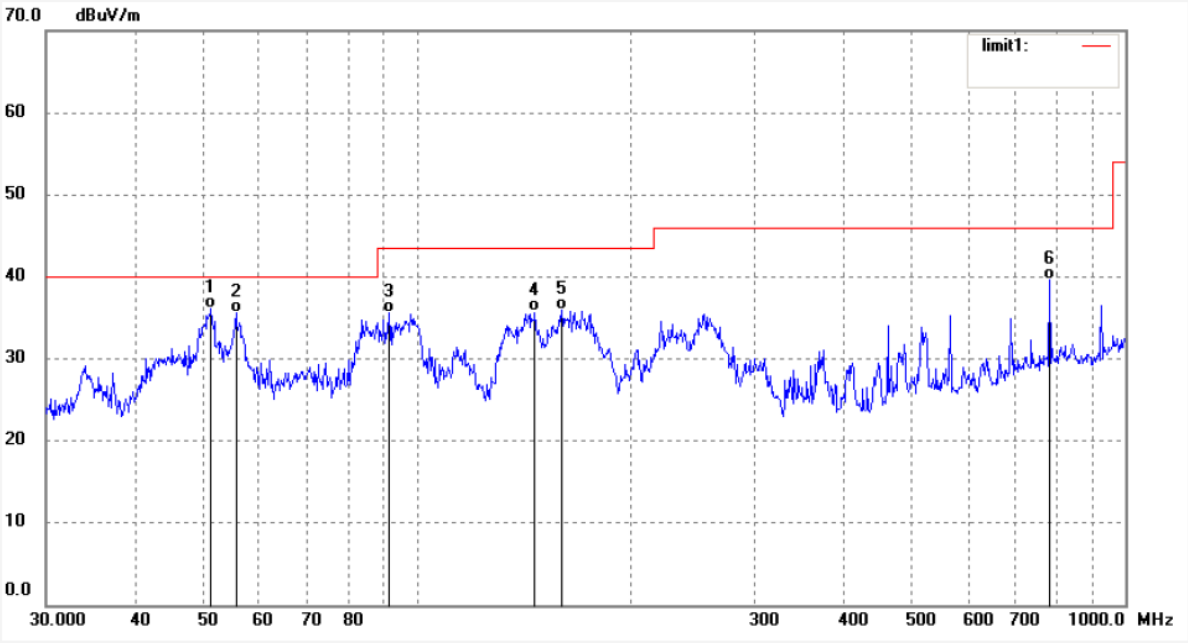
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: DING #1153
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: DP IN
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/44/40
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 51.3004 | 48.74 | -12.68 | 36.06 | 40.00 | -3.94 | QP | | | |
| 2 | 55.6094 | 48.68 | -13.06 | 35.62 | 40.00 | -4.38 | QP | | | |
| 3 | 91.4949 | 50.58 | -14.94 | 35.64 | 43.50 | -7.86 | QP | | | |
| 4 | 146.8876 | 50.78 | -15.08 | 35.70 | 43.50 | -7.80 | QP | | | |
| 5 | 160.3456 | 50.30 | -14.41 | 35.89 | 43.50 | -7.61 | QP | | | |
| 6 | 782.3453 | 39.30 | 0.41 | 39.71 | 46.00 | -6.29 | QP | | | |

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Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: DING #1154
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: DP IN
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/46/08
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899


| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 34.0363 | 44.20 | -10.13 | 34.07 | 40.00 | -5.93 | QP | | | |
| 2 | 50.5859 | 48.73 | -12.62 | 36.11 | 40.00 | -3.89 | QP | | | |
| 3 | 84.1099 | 52.03 | -15.53 | 36.50 | 40.00 | -3.50 | QP | | | |
| 4 | 134.0882 | 53.54 | -13.92 | 39.62 | 43.50 | -3.88 | QP | | | |
| 5 | 782.3452 | 42.37 | 0.41 | 42.78 | 46.00 | -3.22 | QP | | | |
| 6 | 925.7563 | 39.64 | 2.66 | 42.30 | 46.00 | -3.70 | QP | | | |

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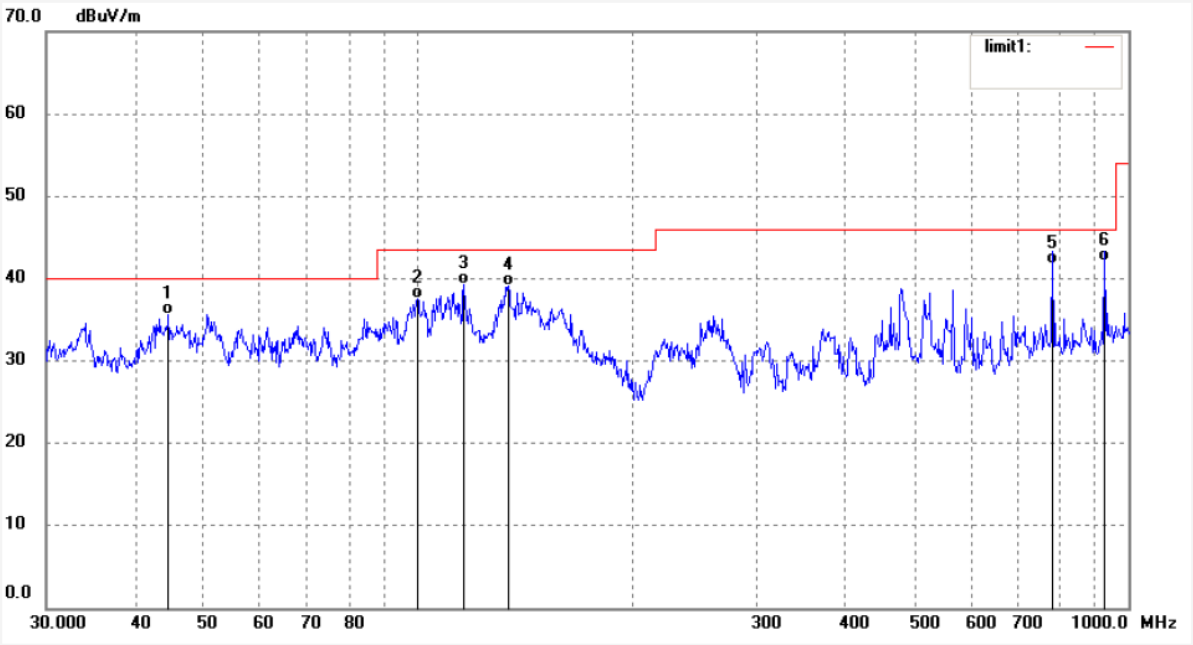
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

| | |
|---|---|
| Job No.: DING #1155 | Polarization: Vertical |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 17/06/03/ |
| Temp.( C)/Hum.(%) 23 C / 48 % | Time: 9/48/20 |
| EUT: Interactive Flat Panel | Engineer Signature: BLACK |
| Mode: AV IN | Distance: 3m |
| Model: ST-860U | |
| Manufacturer: Recordex USA,Inc. | |

Note: Report NO.:ATE20170899

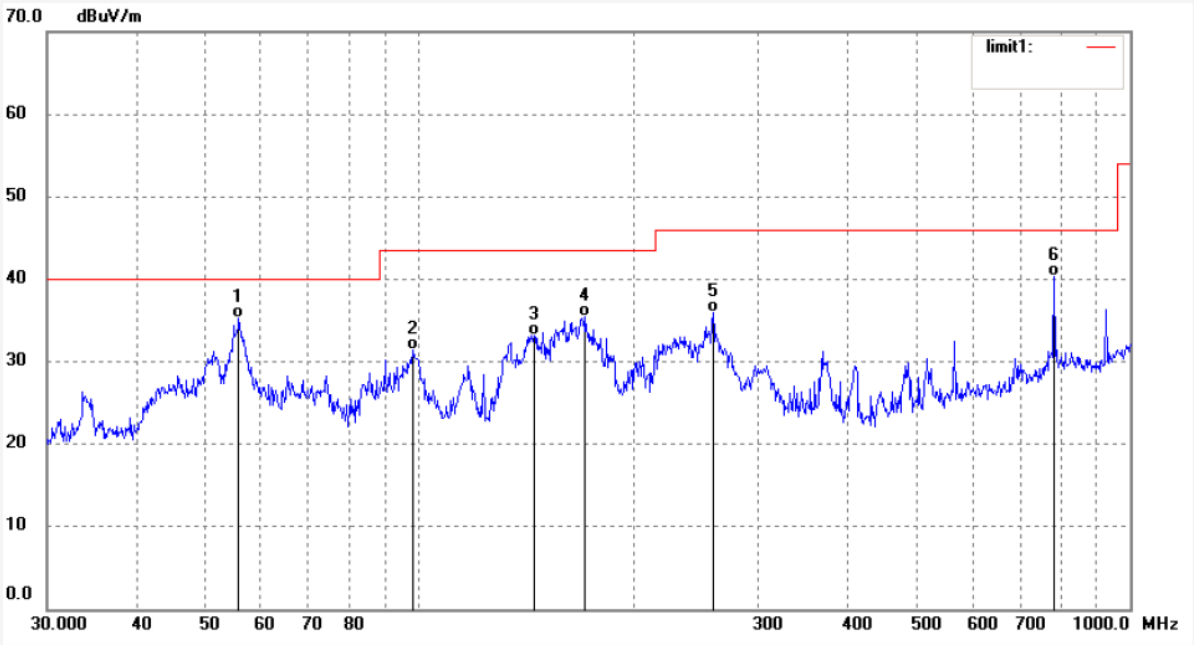



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44.5867 | 48.08 | -12.53 | 35.55 | 40.00 | -4.45 | QP | | | |
| 2 | 99.8777 | 50.54 | -13.09 | 37.45 | 43.50 | -6.05 | QP | | | |
| 3 | 116.1320 | 52.43 | -13.06 | 39.37 | 43.50 | -4.13 | QP | | | |
| 4 | 134.0882 | 53.04 | -13.92 | 39.12 | 43.50 | -4.38 | QP | | | |
| 5 | 782.3452 | 41.27 | 0.41 | 41.68 | 46.00 | -4.32 | QP | | | |
| 6 | 925.7563 | 39.46 | 2.66 | 42.12 | 46.00 | -3.88 | 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.: DING #1156 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: AC 120V/60Hz |
| Test item: Radiation Test | Date: 17/06/03/ |
| Temp.( C)/Hum.(%) 23 C / 48 % | Time: 9/50/05 |
| EUT: Interactive Flat Panel | Engineer Signature: BLACK |
| Mode: AV IN | Distance: 3m |
| Model: ST-860U | |
| Manufacturer: Recordex USA,Inc. | |

Note: Report NO.:ATE20170899



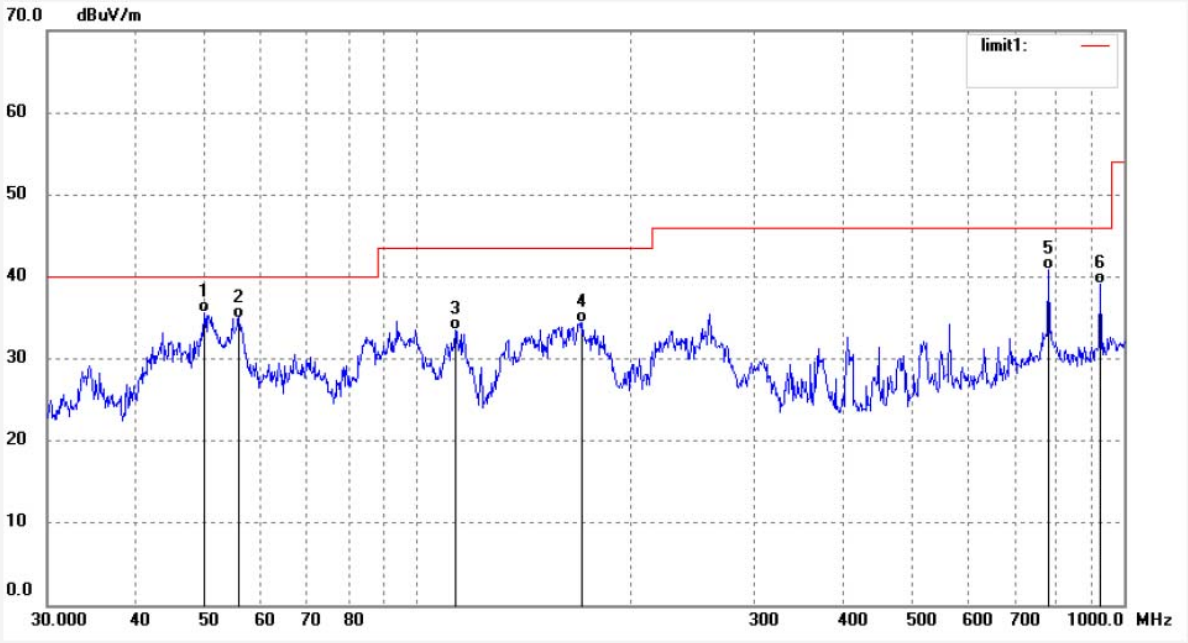

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55.8046 | 48.30 | -13.10 | 35.20 | 40.00 | -4.80 | QP | | | |
| 2 | 98.1419 | 45.09 | -13.68 | 31.41 | 43.50 | -12.09 | QP | | | |
| 3 | 145.3505 | 48.35 | -15.11 | 33.24 | 43.50 | -10.26 | QP | | | |
| 4 | 171.3925 | 48.94 | -13.52 | 35.42 | 43.50 | -8.08 | QP | | | |
| 5 | 259.2336 | 46.43 | -10.49 | 35.94 | 46.00 | -10.06 | QP | | | |
| 6 | 782.3451 | 39.93 | 0.41 | 40.34 | 46.00 | -5.66 | 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.: DING #1157
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: USB PLAY
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/52/53
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.0566 | 48.19 | -12.59 | 35.60 | 40.00 | -4.40 | QP | | | |
| 2 | 56.0007 | 48.14 | -13.14 | 35.00 | 40.00 | -5.00 | QP | | | |
| 3 | 113.3161 | 46.80 | -13.32 | 33.48 | 43.50 | -10.02 | QP | | | |
| 4 | 171.3925 | 47.94 | -13.52 | 34.42 | 43.50 | -9.08 | QP | | | |
| 5 | 782.3451 | 40.43 | 0.41 | 40.84 | 46.00 | -5.16 | QP | | | |
| 6 | 925.7563 | 36.47 | 2.66 | 39.13 | 46.00 | -6.87 | QP | | | |

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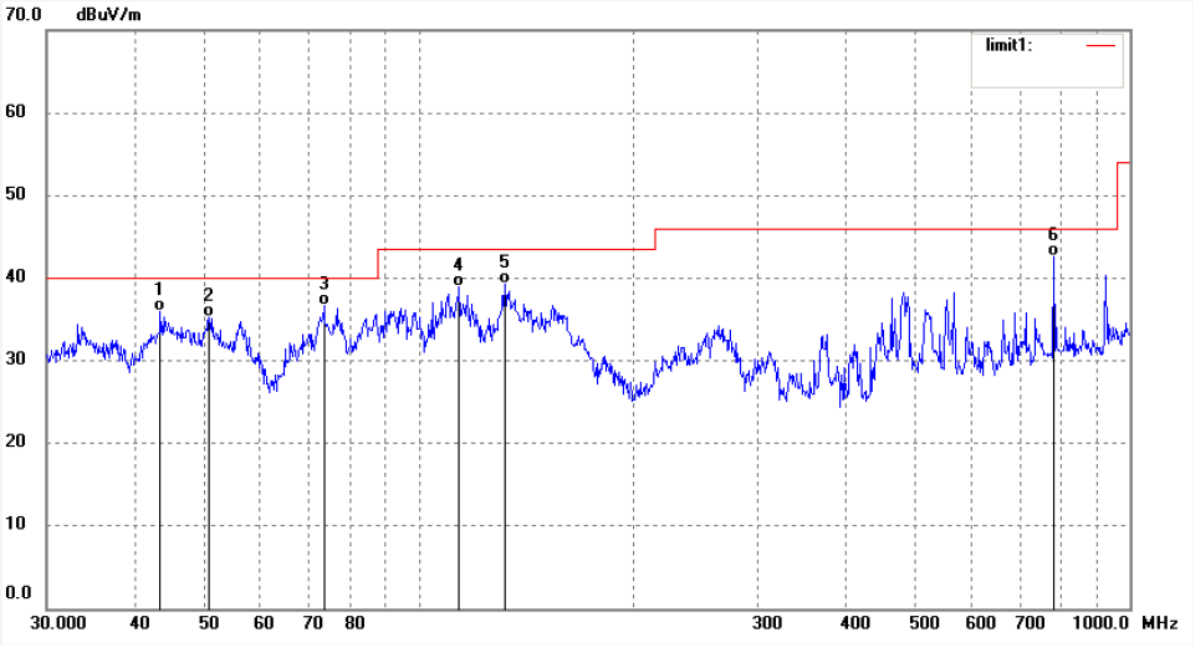
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: DING #1158
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 23 C / 48 %
EUT: Interactive Flat Panel
Mode: USB PLAY
Model: ST-860U
Manufacturer: Recordex USA,Inc.

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/06/03/
Time: 9/54/46
Engineer Signature: BLACK
Distance: 3m

Note: Report NO.:ATE20170899




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43.3534 | 48.23 | -12.27 | 35.96 | 40.00 | -4.04 | QP | | | |
| 2 | 50.7637 | 47.89 | -12.64 | 35.25 | 40.00 | -4.75 | QP | | | |
| 3 | 73.6170 | 53.23 | -16.54 | 36.69 | 40.00 | -3.31 | QP | | | |
| 4 | 114.1136 | 52.08 | -13.20 | 38.88 | 43.50 | -4.62 | QP | | | |
| 5 | 132.2204 | 53.14 | -13.84 | 39.30 | 43.50 | -4.20 | QP | | | |
| 6 | 782.3451 | 42.26 | 0.41 | 42.67 | 46.00 | -3.33 | QP | | | |