

APPLICATION FOR VERIFICATION
On Behalf of
Recordex USA, Inc.

Interactive Flat Panel
Model No.: ST-840U

FCC ID: 2ADKE-ST-840U

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

Tel: +86-755-26503290
Fax: +86-755-26503396

Report No. : ATE20151179
Date of Test : Jun 01-09, 2015
Date of Report : Jun 10, 2015

TABLE OF CONTENTS

Description	Page
Test Report Declaration	
1. TEST RESULTS SUMMARY	4
2. GENERAL INFORMATION	5
2.1. Product of Device (EUT)	5
2.2. Accessory and Auxiliary Equipment.....	5
2.3. Description of Test Facility	6
2.4. Measurement Uncertainty.....	6
3. POWER LINE CONDUCTED MEASUREMENT	7
3.1. For Power Line Conducted Emission.....	7
3.2. Block Diagram of Test Setup	8
3.3. Power Line Conducted Emission Measurement Limits (Class B)	8
3.4. Configuration of EUT on Measurement	9
3.5. Operating Condition of EUT	9
3.6. Test Procedure	9
3.7. Power Line Conducted Emission Measurement Results.....	10
4. RADIATED EMISSION MEASUREMENT	40
4.1. For Radiated Emission Measurement	40
4.2. Block Diagram of Test Setup	41
4.3. Radiated Emission Limit (Class B).....	41
4.4. EUT Configuration on Measurement	42
4.5. Operating Condition of EUT	42
4.6. Test Procedure	42
4.7. Radiated Emission Noise Measurement Result.....	43
5. PHOTOGRAPHS.....	68
5.1. Photos of Power Line Conducted Measurement	68
5.2. Photos of Radiated Measurement.....	68
5.3. Photo of EUT	69

Test Report Declaration

Applicant : Recordex USA, Inc.
Manufacturer : Recordex USA, Inc.
Product : Interactive Flat Panel
(A) Model No.: ST-840U
(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 : Jun 01-09, 2015
Date of Report: 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-840U

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=2.23dB, k=2

Power disturbance expanded uncertainty : U=2.92dB, k=2

Radiated emission expanded uncertainty : U=3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty : U=4.42dB, k=2
(30MHz-1000MHz)

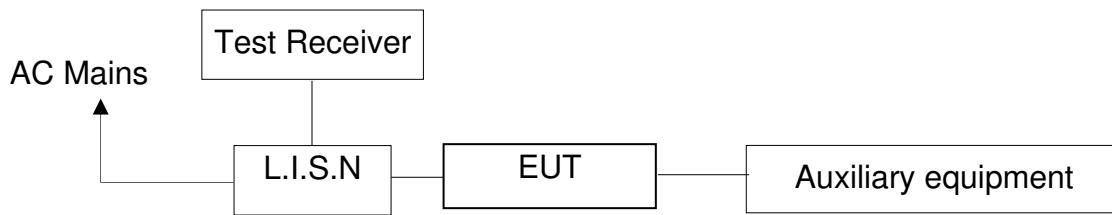
Radiated emission expanded uncertainty : U=4.06dB, k=2
(Above 1GHz)

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 6	Jan.10, 2015	1 Year
14.	50Ω Coaxial Switch	Anritsu Corp	MP59B	620028393 3	Jan.10, 2015	1 Year
15.	50Ω Coaxial Switch	Anritsu Corp	MP59B	620050647 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 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 MHz	Limits dB(μV)	
	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-840U

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: "CB23_fin"								
6/5/2015 8:59AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.198359	48.30	11.2	64	15.4	QP	L1	GND	
0.398888	40.30	11.8	58	17.6	QP	L1	GND	
7.964078	43.30	11.3	60	16.7	QP	L1	GND	
MEASUREMENT RESULT: "CB23_fin2"								
6/5/2015 8:59AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.200748	44.90	11.2	54	8.7	AV	L1	GND	
0.266530	42.20	11.5	51	9.0	AV	L1	GND	
0.400483	39.30	11.8	48	8.5	AV	L1	GND	
MEASUREMENT RESULT: "CB24_fin"								
6/5/2015 9:02AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.202358	43.20	11.2	64	20.3	QP	N	GND	
0.402085	39.20	11.8	58	18.6	QP	N	GND	
8.354877	45.30	11.3	60	14.7	QP	N	GND	
MEASUREMENT RESULT: "CB24_fin2"								
6/5/2015 9:02AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.266530	42.40	11.5	51	8.8	AV	N	GND	
0.333299	41.10	11.7	49	8.3	AV	N	GND	
8.421850	40.20	11.3	50	9.8	AV	N	GND	

Test Mode: AV(AC 120V)								
MEASUREMENT RESULT: "CB25_fin"								
6/5/2015 9:05AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBuV	dB	dBuV	dB				
0.203167	43.00	11.3	64	20.5	QP	N	GND	
0.400483	38.90	11.8	58	18.9	QP	N	GND	
7.995934	44.40	11.3	60	15.6	QP	N	GND	
MEASUREMENT RESULT: "CB25_fin2"								
6/5/2015 9:05AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBuV	dB	dBuV	dB				
0.266530	42.40	11.5	51	8.8	AV	N	GND	
0.333299	41.10	11.7	49	8.3	AV	N	GND	
0.400483	38.10	11.8	48	9.7	AV	N	GND	
MEASUREMENT RESULT: "CB26_fin"								
6/5/2015 9:08AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBuV	dB	dBuV	dB				
0.198359	47.30	11.2	64	16.4	QP	L1	GND	
0.400483	40.00	11.8	58	17.8	QP	L1	GND	
8.092270	42.70	11.3	60	17.3	QP	L1	GND	
MEASUREMENT RESULT: "CB26_fin2"								
6/5/2015 9:08AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBuV	dB	dBuV	dB				
0.198359	44.80	11.2	54	8.9	AV	L1	GND	
0.266530	42.30	11.5	51	8.9	AV	L1	GND	
0.400483	39.50	11.8	48	8.3	AV	L1	GND	

Test Mode: HDMI(AC 120V)								
MEASUREMENT RESULT: "CB29_fin"								
6/5/2015 9:15AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBμV	dB	dBμV	dB				
0.198359	44.40	11.2	64	19.3	QP	N	GND	
0.400483	39.00	11.8	58	18.8	QP	N	GND	
8.027918	44.70	11.3	60	15.3	QP	N	GND	
MEASUREMENT RESULT: "CB29_fin2"								
6/5/2015 9:15AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBμV	dB	dBμV	dB				
0.266530	42.50	11.5	51	8.7	AV	N	GND	
0.333299	41.10	11.7	49	8.3	AV	N	GND	
8.027918	39.60	11.3	50	10.4	AV	N	GND	
MEASUREMENT RESULT: "CB30_fin"								
6/5/2015 9:18AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBμV	dB	dBμV	dB				
0.198359	47.60	11.2	64	16.1	QP	L1	GND	
0.398888	40.00	11.8	58	17.9	QP	L1	GND	
8.027918	43.20	11.3	60	16.8	QP	L1	GND	
MEASUREMENT RESULT: "CB30_fin2"								
6/5/2015 9:18AM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBμV	dB	dBμV	dB				
0.198359	45.00	11.2	54	8.7	AV	L1	GND	
0.266530	42.30	11.5	51	8.9	AV	L1	GND	
0.398888	39.50	11.8	48	8.4	AV	L1	GND	

Test Mode: VGA(AC 120V)								
MEASUREMENT RESULT: "CB33_fin"								
6/5/2015 9:29AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.200748	44.60	11.2	64	19.0	QP	N	GND	
0.402085	39.60	11.8	58	18.2	QP	N	GND	
18.052886	38.50	11.1	60	21.5	QP	N	GND	
MEASUREMENT RESULT: "CB33_fin2"								
6/5/2015 9:29AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.266530	42.80	11.5	51	8.4	AV	N	GND	
0.333299	41.40	11.7	49	8.0	AV	N	GND	
0.400483	38.50	11.8	48	9.3	AV	N	GND	
MEASUREMENT RESULT: "CB34_fin"								
6/5/2015 9:32AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.203167	45.90	11.3	64	17.6	QP	L1	GND	
0.402085	40.30	11.8	58	17.5	QP	L1	GND	
14.904878	38.30	11.2	60	21.7	QP	L1	GND	
MEASUREMENT RESULT: "CB34_fin2"								
6/5/2015 9:32AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.200748	45.00	11.2	54	8.6	AV	L1	GND	
0.266530	42.60	11.5	51	8.6	AV	L1	GND	
0.400483	39.80	11.8	48	8.0	AV	L1	GND	

Test Mode: WAN IN(AC 120V)

MEASUREMENT RESULT: "CB31_fin"

6/5/2015 9:20AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.198359	47.60	11.2	64	16.1	QP	L1	GND
0.402085	39.90	11.8	58	17.9	QP	L1	GND
8.027918	43.30	11.3	60	16.7	QP	L1	GND

MEASUREMENT RESULT: "CB31_fin2"

6/5/2015 9:20AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.200748	44.90	11.2	54	8.7	AV	L1	GND
0.266530	42.30	11.5	51	8.9	AV	L1	GND
0.400483	39.50	11.8	48	8.3	AV	L1	GND

MEASUREMENT RESULT: "CB32_fin"

6/5/2015 9:23AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.200748	44.20	11.2	64	19.4	QP	N	GND
0.403694	39.00	11.8	58	18.8	QP	N	GND
8.027918	44.80	11.3	60	15.2	QP	N	GND

MEASUREMENT RESULT: "CB32_fin2"

6/5/2015 9:23AM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.266530	42.50	11.5	51	8.7	AV	N	GND
0.333299	41.10	11.7	49	8.3	AV	N	GND
8.027918	39.70	11.3	50	10.3	AV	N	GND

Test Mode: USB(AC 240V)								
MEASUREMENT RESULT: "S0909025_fin"								
2015-06-25 1:21PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.171759	55.00	11.1	65	9.9	QP	L1	GND	
0.234359	51.50	11.4	62	10.8	QP	L1	GND	
4.434222	38.00	11.5	56	18.0	QP	L1	GND	
MEASUREMENT RESULT: "S0909025_fin2"								
2015-06-25 1:21PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.177322	42.70	11.1	55	11.9	AV	L1	GND	
0.234359	40.20	11.4	52	12.1	AV	L1	GND	
4.434222	29.30	11.5	46	16.7	AV	L1	GND	
MEASUREMENT RESULT: "S0909024_fin"								
2015-06-25 1:19PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.171759	54.50	11.1	65	10.4	QP	N	GND	
0.232499	50.00	11.4	62	12.4	QP	N	GND	
4.364117	35.80	11.5	56	20.2	QP	N	GND	
MEASUREMENT RESULT: "S0909024_fin2"								
2015-06-25 1:19PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.175915	42.50	11.1	55	12.2	AV	N	GND	
0.236234	38.00	11.4	52	14.2	AV	N	GND	
4.434222	28.10	11.5	46	17.9	AV	N	GND	

Test Mode: AV(AC 240V)

MEASUREMENT RESULT: "S0909022_fin"

2015-06-25 1:14PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.167702	55.20	11.1	65	9.9	QP	N	GND
0.228823	50.70	11.4	63	11.8	QP	N	GND
4.434222	35.80	11.5	56	20.2	QP	N	GND

MEASUREMENT RESULT: "S0909022_fin2"

2015-06-25 1:14PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.171759	42.80	11.1	55	12.1	AV	N	GND
0.227007	39.50	11.3	53	13.1	AV	N	GND
4.434222	28.30	11.5	46	17.7	AV	N	GND

MEASUREMENT RESULT: "S0909023_fin"

2015-06-25 1:16PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170396	55.60	11.1	65	9.3	QP	L1	GND
0.234359	51.30	11.4	62	11.0	QP	L1	GND
4.469696	38.10	11.5	56	17.9	QP	L1	GND

MEASUREMENT RESULT: "S0909023_fin2"

2015-06-25 1:16PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.174518	43.50	11.1	55	11.2	AV	L1	GND
0.232499	40.20	11.4	52	12.2	AV	L1	GND
4.434222	29.40	11.5	46	16.6	AV	L1	GND

Test Mode: HDMI(AC 240V)

MEASUREMENT RESULT: "S0909021_fin"

2015-06-25 1:12PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.193566	54.50	11.2	64	9.4	QP	N	GND
0.262016	48.80	11.5	61	12.6	QP	N	GND
4.763895	39.80	11.4	56	16.2	QP	N	GND

MEASUREMENT RESULT: "S0909021_fin2"

2015-06-25 1:12PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.201433	41.40	11.2	54	12.2	AV	N	GND
0.268355	34.80	11.5	51	16.4	AV	N	GND
22.351436	32.20	11.1	50	17.8	AV	N	GND

MEASUREMENT RESULT: "S0909020_fin"

2015-06-25 1:09PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.199834	55.60	11.2	64	8.0	QP	L1	GND
0.268355	49.70	11.5	61	11.5	QP	L1	GND
4.577829	42.00	11.5	56	14.0	QP	L1	GND

MEASUREMENT RESULT: "S0909020_fin2"

2015-06-25 1:09PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.198248	42.80	11.2	54	10.9	AV	L1	GND
0.266225	36.70	11.5	51	14.5	AV	L1	GND
4.651367	27.50	11.5	46	18.5	AV	L1	GND

Test Mode: VGA(AC 240V)								
MEASUREMENT RESULT: "S0909017_fin"								
2015-06-25 1:02PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.167702	56.20	11.1	65	8.9	QP	N	GND	
0.223418	50.90	11.3	63	11.8	QP	N	GND	
4.505453	35.40	11.5	56	20.6	QP	N	GND	
22.174043	36.80	11.1	60	23.2	QP	N	GND	
MEASUREMENT RESULT: "S0909017_fin2"								
2015-06-25 1:02PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.173133	43.10	11.1	55	11.7	AV	N	GND	
0.228823	39.90	11.4	53	12.6	AV	N	GND	
0.283749	33.60	11.5	51	17.1	AV	N	GND	
MEASUREMENT RESULT: "S0909016_fin"								
2015-06-25 12:59PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.170396	57.40	11.1	65	7.5	QP	L1	GND	
0.228823	52.90	11.4	63	9.6	QP	L1	GND	
4.434222	37.30	11.5	56	18.7	QP	L1	GND	
MEASUREMENT RESULT: "S0909016_fin2"								
2015-06-25 12:59PM								
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.170396	44.20	11.1	55	10.7	AV	L1	GND	
0.228823	41.00	11.4	53	11.5	AV	L1	GND	
4.434222	29.00	11.5	46	17.0	AV	L1	GND	

Test Mode: WAN IN(AC 240V)								
MEASUREMENT RESULT: "S0909019_fin"								
2015-06-25 1:07PM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.193566	55.40	11.2	64	8.5	QP	L1	GND	
0.262016	50.30	11.5	61	11.1	QP	L1	GND	
4.577829	40.80	11.5	56	15.2	QP	L1	GND	
MEASUREMENT RESULT: "S0909019_fin2"								
2015-06-25 1:07PM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.199834	43.10	11.2	54	10.5	AV	L1	GND	
0.266225	36.70	11.5	51	14.5	AV	L1	GND	
4.614451	26.70	11.5	46	19.3	AV	L1	GND	
MEASUREMENT RESULT: "S0909018_fin"								
2015-06-25 1:05PM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.196675	55.50	11.2	64	8.2	QP	N	GND	
0.268355	48.90	11.5	61	12.3	QP	N	GND	
4.688578	41.20	11.5	56	14.8	QP	N	GND	
MEASUREMENT RESULT: "S0909018_fin2"								
2015-06-25 1:05PM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.199834	42.40	11.2	54	11.2	AV	N	GND	
0.270502	33.80	11.5	51	17.3	AV	N	GND	
4.688578	28.40	11.5	46	17.6	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.

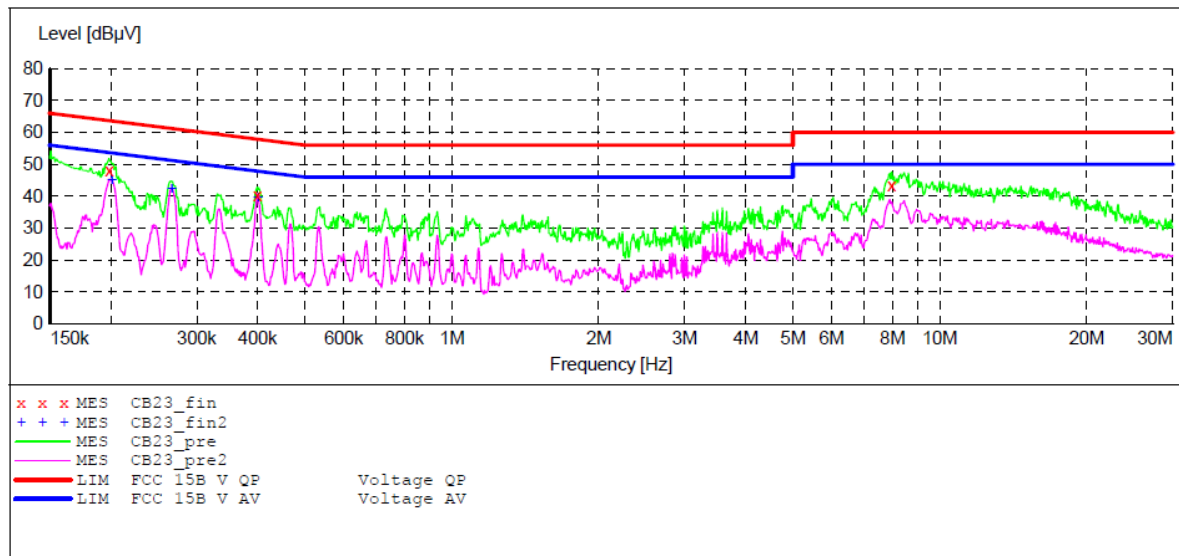
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: USB
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: L 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 8:57:16AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB23_fin"

6/5/2015 8:59AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198359	48.30	11.2	64	15.4	QP	L1	GND
0.398888	40.30	11.8	58	17.6	QP	L1	GND
7.964078	43.30	11.3	60	16.7	QP	L1	GND

MEASUREMENT RESULT: "CB23_fin2"

6/5/2015 8:59AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200748	44.90	11.2	54	8.7	AV	L1	GND
0.266530	42.20	11.5	51	9.0	AV	L1	GND
0.400483	39.30	11.8	48	8.5	AV	L1	GND

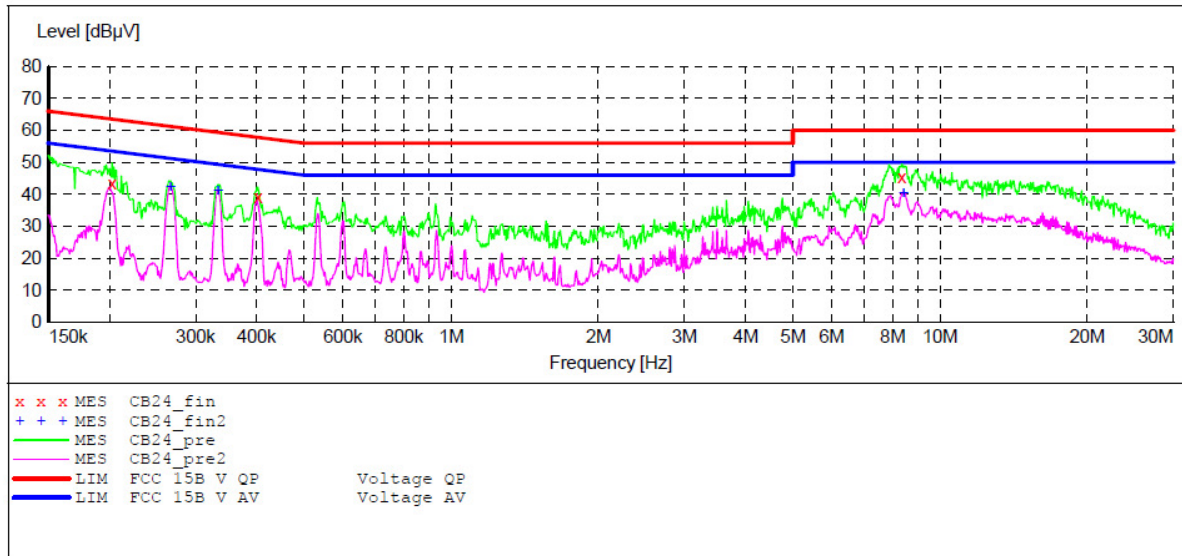
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: USB
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: N 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:00:43AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB24_fin"

6/5/2015 9:02AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.202358	43.20	11.2	64	20.3	QP	N	GND
0.402085	39.20	11.8	58	18.6	QP	N	GND
8.354877	45.30	11.3	60	14.7	QP	N	GND

MEASUREMENT RESULT: "CB24_fin2"

6/5/2015 9:02AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.266530	42.40	11.5	51	8.8	AV	N	GND
0.333299	41.10	11.7	49	8.3	AV	N	GND
8.421850	40.20	11.3	50	9.8	AV	N	GND

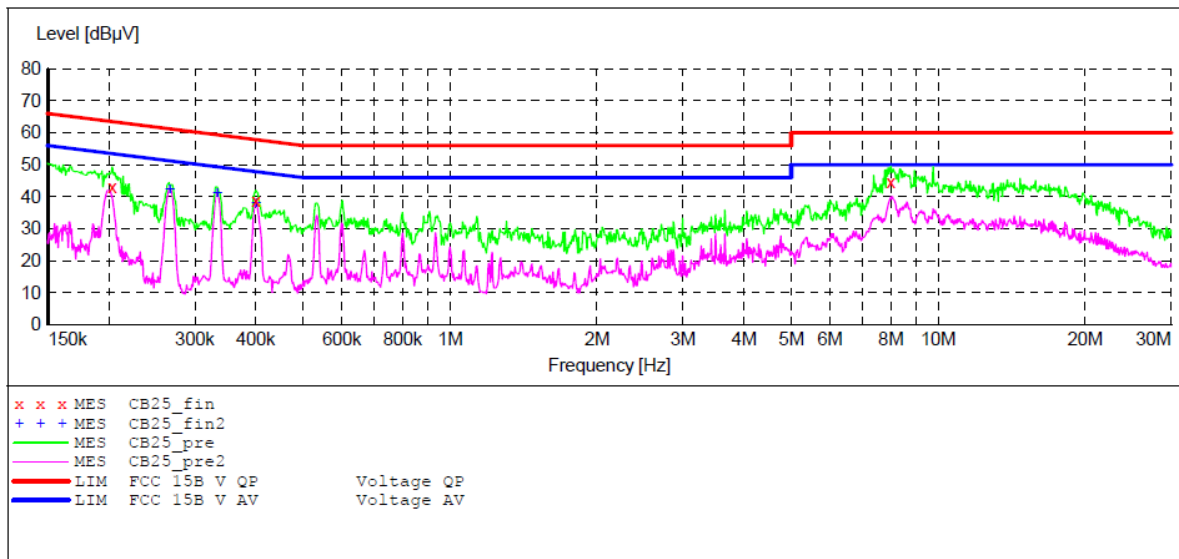
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: AV
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: N 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:03:21AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB25_fin"

6/5/2015 9:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.203167	43.00	11.3	64	20.5	QP	N	GND
0.400483	38.90	11.8	58	18.9	QP	N	GND
7.995934	44.40	11.3	60	15.6	QP	N	GND

MEASUREMENT RESULT: "CB25_fin2"

6/5/2015 9:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.266530	42.40	11.5	51	8.8	AV	N	GND
0.333299	41.10	11.7	49	8.3	AV	N	GND
0.400483	38.10	11.8	48	9.7	AV	N	GND

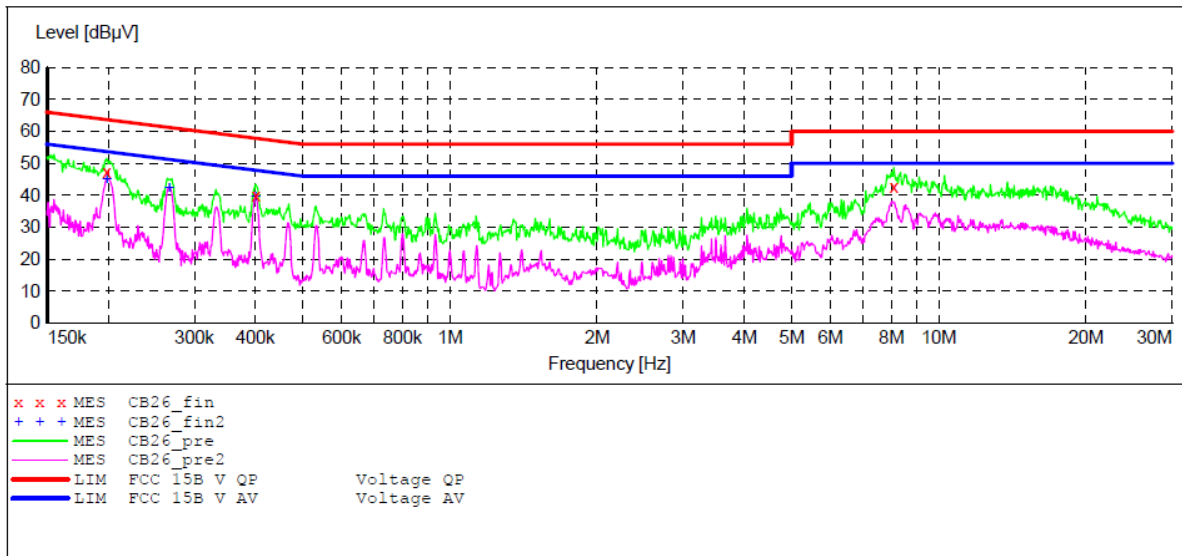
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: AV
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: L 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:05:48AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB26_fin"

6/5/2015 9:08AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.198359	47.30	11.2	64	16.4	QP	L1	GND
0.400483	40.00	11.8	58	17.8	QP	L1	GND
8.092270	42.70	11.3	60	17.3	QP	L1	GND

MEASUREMENT RESULT: "CB26_fin2"

6/5/2015 9:08AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.198359	44.80	11.2	54	8.9	AV	L1	GND
0.266530	42.30	11.5	51	8.9	AV	L1	GND
0.400483	39.50	11.8	48	8.3	AV	L1	GND

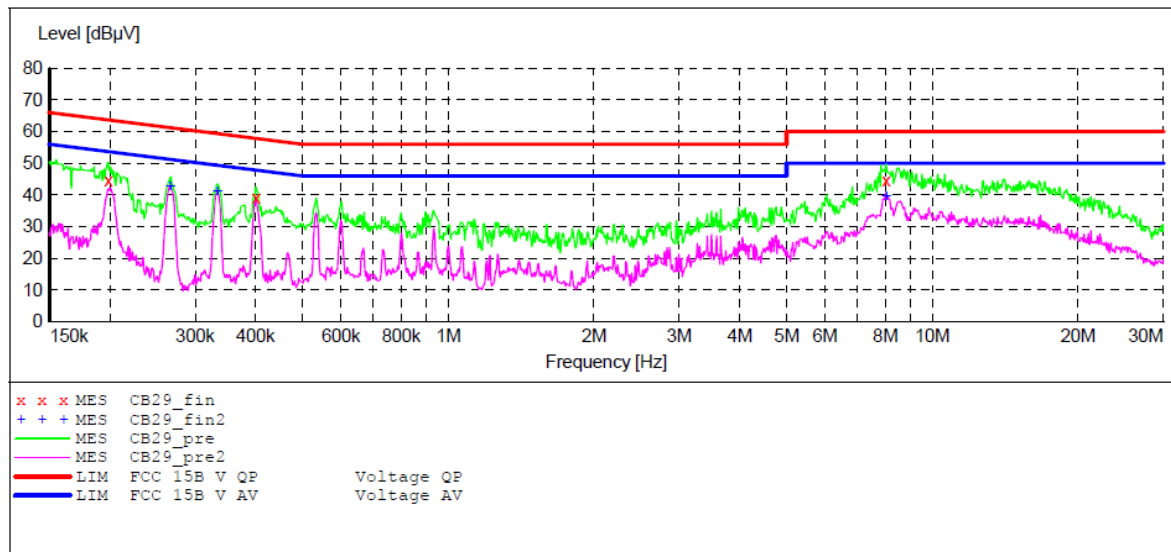
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: HDMI
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: N 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:13:55AM

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

Short Description:		_SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
Frequency	Frequency	Width					
150.0 kHz	30.0 MHz	0.8 %	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008	
Average							



MEASUREMENT RESULT: "CB29_fin"

6/5/2015 9:15AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198359	44.40	11.2	64	19.3	QP	N	GND
0.400483	39.00	11.8	58	18.8	QP	N	GND
8.027918	44.70	11.3	60	15.3	QP	N	GND

MEASUREMENT RESULT: "CB29_fin2"

6/5/2015 9:15AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.266530	42.50	11.5	51	8.7	AV	N	GND
0.333299	41.10	11.7	49	8.3	AV	N	GND
8.027918	39.60	11.3	50	10.4	AV	N	GND

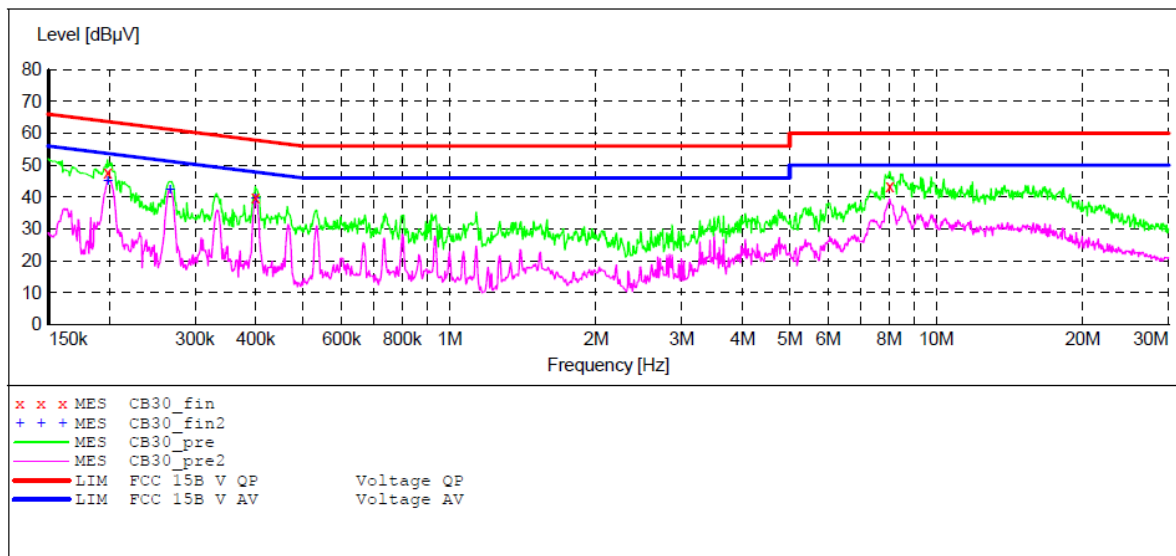
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: HDMI
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: L 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:16:16AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB30_fin"

6/5/2015 9:18AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198359	47.60	11.2	64	16.1	QP	L1	GND
0.398888	40.00	11.8	58	17.9	QP	L1	GND
8.027918	43.20	11.3	60	16.8	QP	L1	GND

MEASUREMENT RESULT: "CB30_fin2"

6/5/2015 9:18AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198359	45.00	11.2	54	8.7	AV	L1	GND
0.266530	42.30	11.5	51	8.9	AV	L1	GND
0.398888	39.50	11.8	48	8.4	AV	L1	GND

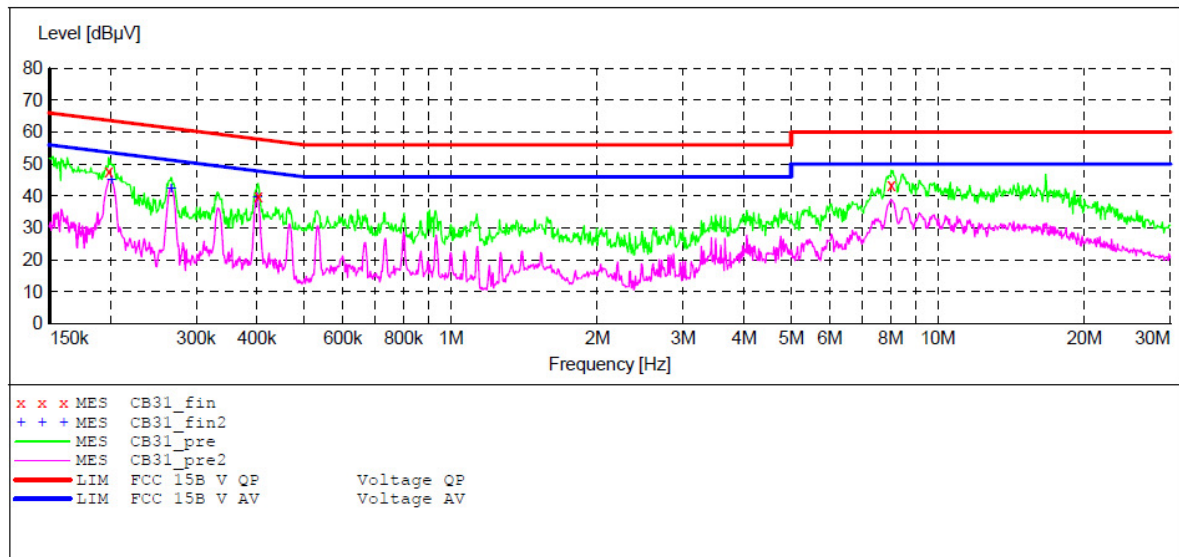
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: WAN IN
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: L 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:18:45AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB31_fin"

6/5/2015 9:20AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198359	47.60	11.2	64	16.1	QP	L1	GND
0.402085	39.90	11.8	58	17.9	QP	L1	GND
8.027918	43.30	11.3	60	16.7	QP	L1	GND

MEASUREMENT RESULT: "CB31_fin2"

6/5/2015 9:20AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200748	44.90	11.2	54	8.7	AV	L1	GND
0.266530	42.30	11.5	51	8.9	AV	L1	GND
0.400483	39.50	11.8	48	8.3	AV	L1	GND

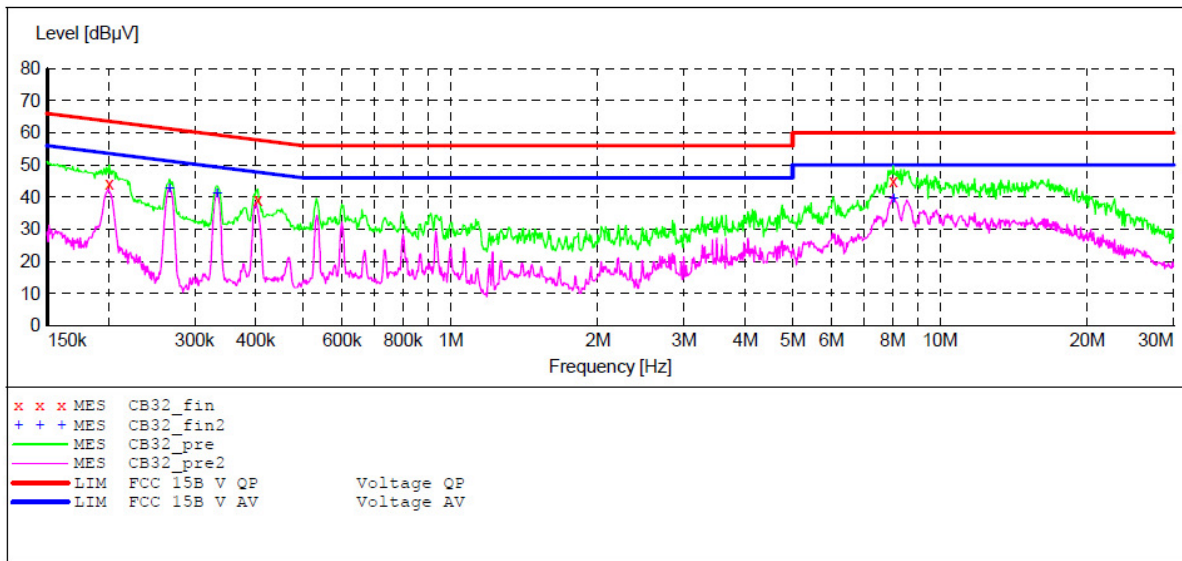
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: WAN IN
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: N 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:21:13AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB32_fin"

6/5/2015 9:23AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200748	44.20	11.2	64	19.4	QP	N	GND
0.403694	39.00	11.8	58	18.8	QP	N	GND
8.027918	44.80	11.3	60	15.2	QP	N	GND

MEASUREMENT RESULT: "CB32_fin2"

6/5/2015 9:23AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.266530	42.50	11.5	51	8.7	AV	N	GND
0.333299	41.10	11.7	49	8.3	AV	N	GND
8.027918	39.70	11.3	50	10.3	AV	N	GND

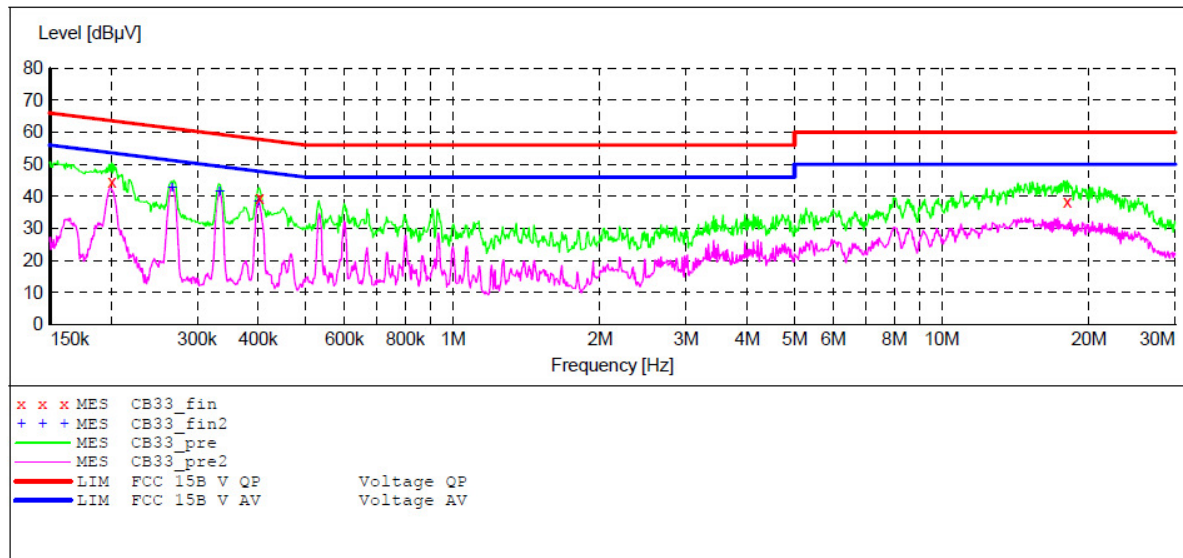
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: VGA
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: N 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:25:48AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB33_fin"

6/5/2015 9:29AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200748	44.60	11.2	64	19.0	QP	N	GND
0.402085	39.60	11.8	58	18.2	QP	N	GND
18.052886	38.50	11.1	60	21.5	QP	N	GND

MEASUREMENT RESULT: "CB33_fin2"

6/5/2015 9:29AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.266530	42.80	11.5	51	8.4	AV	N	GND
0.333299	41.40	11.7	49	8.0	AV	N	GND
0.400483	38.50	11.8	48	9.3	AV	N	GND

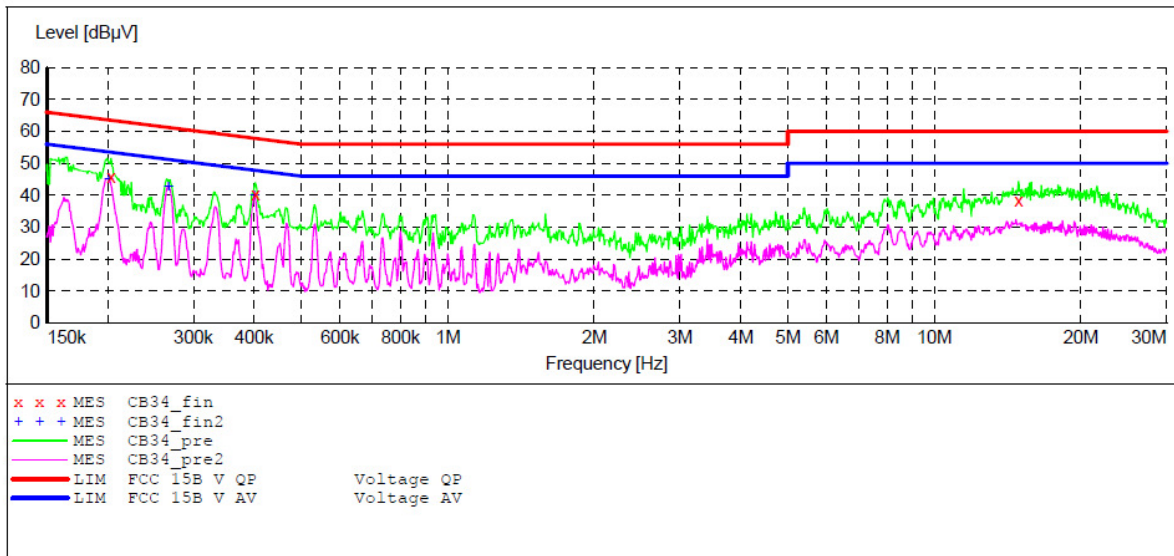
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: VGA
 Test Site: 1#Shielding Room
 Operator: STAR
 Test Specification: L 230V/50Hz
 Comment: Report No.:ATE20151179
 Start of Test: 6/5/2015 / 9:30:15AM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "CB34_fin"

6/5/2015 9:32AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.203167	45.90	11.3	64	17.6	QP	L1	GND
0.402085	40.30	11.8	58	17.5	QP	L1	GND
14.904878	38.30	11.2	60	21.7	QP	L1	GND

MEASUREMENT RESULT: "CB34_fin2"

6/5/2015 9:32AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.200748	45.00	11.2	54	8.6	AV	L1	GND
0.266530	42.60	11.5	51	8.6	AV	L1	GND
0.400483	39.80	11.8	48	8.0	AV	L1	GND

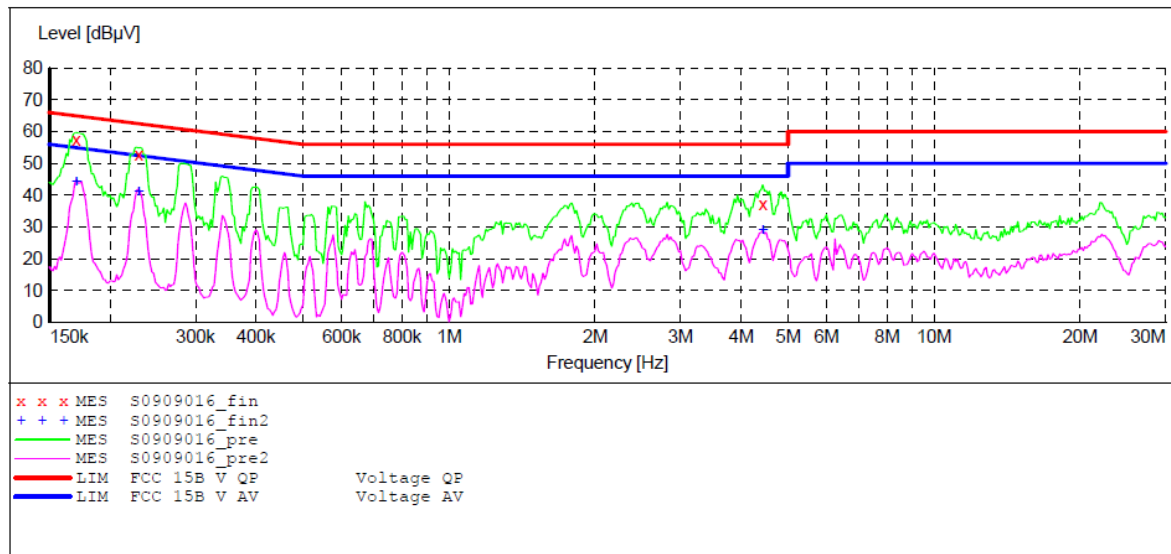
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: VGA
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 12:57:32PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909016_fin"

2015-06-25 12:59PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170396	57.40	11.1	65	7.5	QP	L1	GND
0.228823	52.90	11.4	63	9.6	QP	L1	GND
4.434222	37.30	11.5	56	18.7	QP	L1	GND

MEASUREMENT RESULT: "S0909016_fin2"

2015-06-25 12:59PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170396	44.20	11.1	55	10.7	AV	L1	GND
0.228823	41.00	11.4	53	11.5	AV	L1	GND
4.434222	29.00	11.5	46	17.0	AV	L1	GND

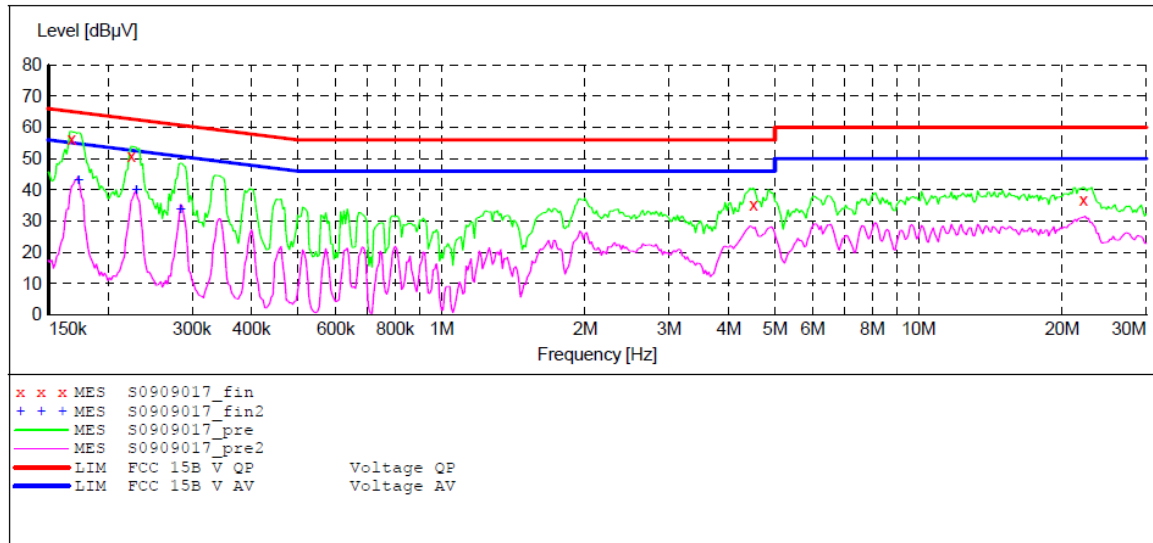
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: VGA
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:00:12PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909017_fin"

2015-06-25 1:02PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.167702	56.20	11.1	65	8.9	QP	N	GND
0.223418	50.90	11.3	63	11.8	QP	N	GND
4.505453	35.40	11.5	56	20.6	QP	N	GND
22.174043	36.80	11.1	60	23.2	QP	N	GND

MEASUREMENT RESULT: "S0909017_fin2"

2015-06-25 1:02PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.173133	43.10	11.1	55	11.7	AV	N	GND
0.228823	39.90	11.4	53	12.6	AV	N	GND
0.283749	33.60	11.5	51	17.1	AV	N	GND

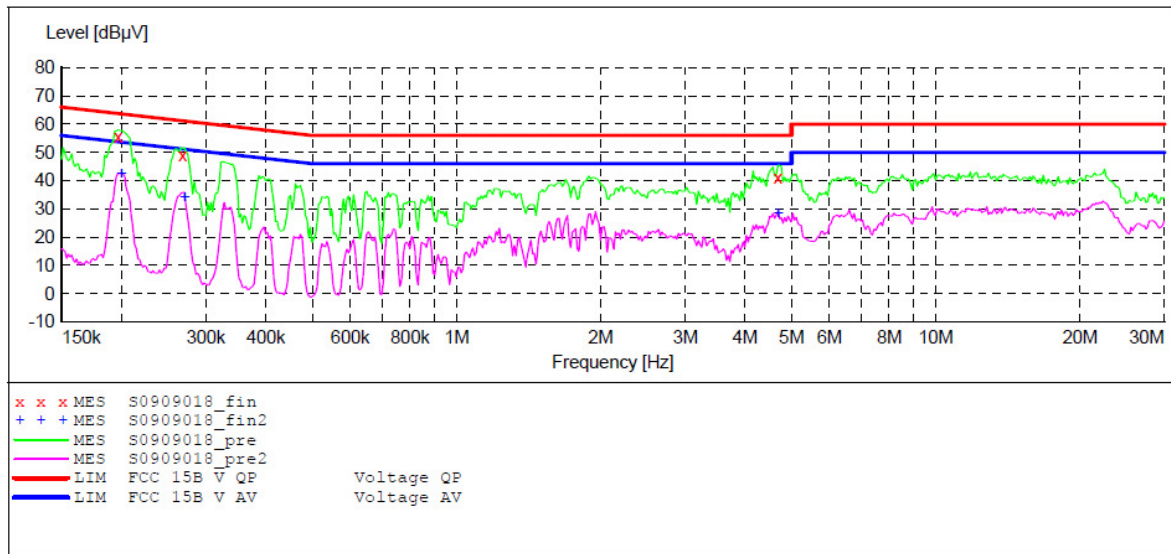
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: WAN IN
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:02:58PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909018_fin"

2015-06-25 1:05PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.196675	55.50	11.2	64	8.2	QP	N	GND
0.268355	48.90	11.5	61	12.3	QP	N	GND
4.688578	41.20	11.5	56	14.8	QP	N	GND

MEASUREMENT RESULT: "S0909018_fin2"

2015-06-25 1:05PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.199834	42.40	11.2	54	11.2	AV	N	GND
0.270502	33.80	11.5	51	17.3	AV	N	GND
4.688578	28.40	11.5	46	17.6	AV	N	GND

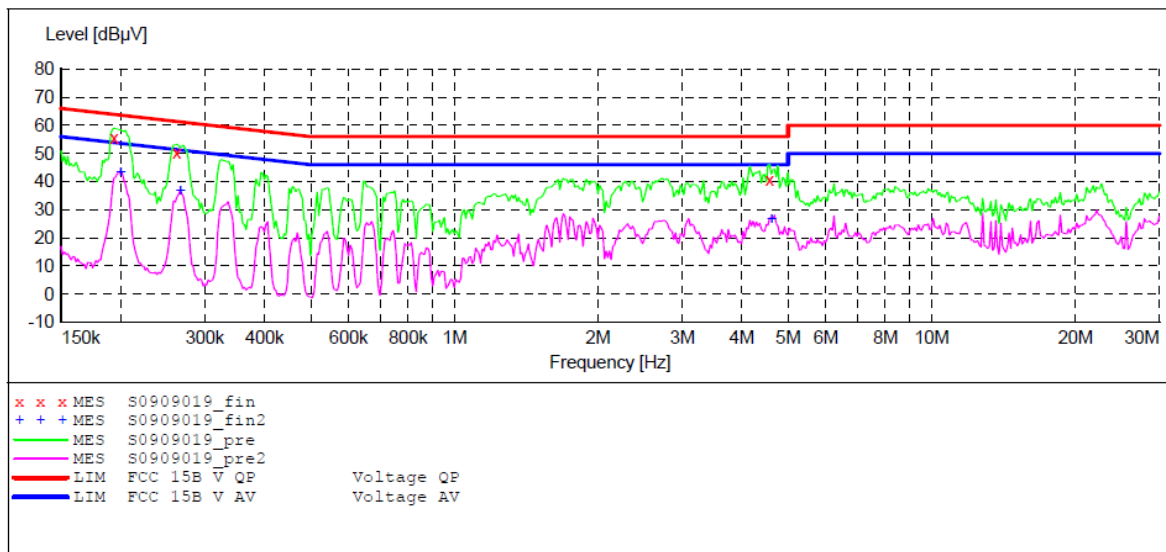
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: WAN IN
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:05:47PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909019_fin"

2015-06-25 1:07PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.193566	55.40	11.2	64	8.5	QP	L1	GND
0.262016	50.30	11.5	61	11.1	QP	L1	GND
4.577829	40.80	11.5	56	15.2	QP	L1	GND

MEASUREMENT RESULT: "S0909019_fin2"

2015-06-25 1:07PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.199834	43.10	11.2	54	10.5	AV	L1	GND
0.266225	36.70	11.5	51	14.5	AV	L1	GND
4.614451	26.70	11.5	46	19.3	AV	L1	GND

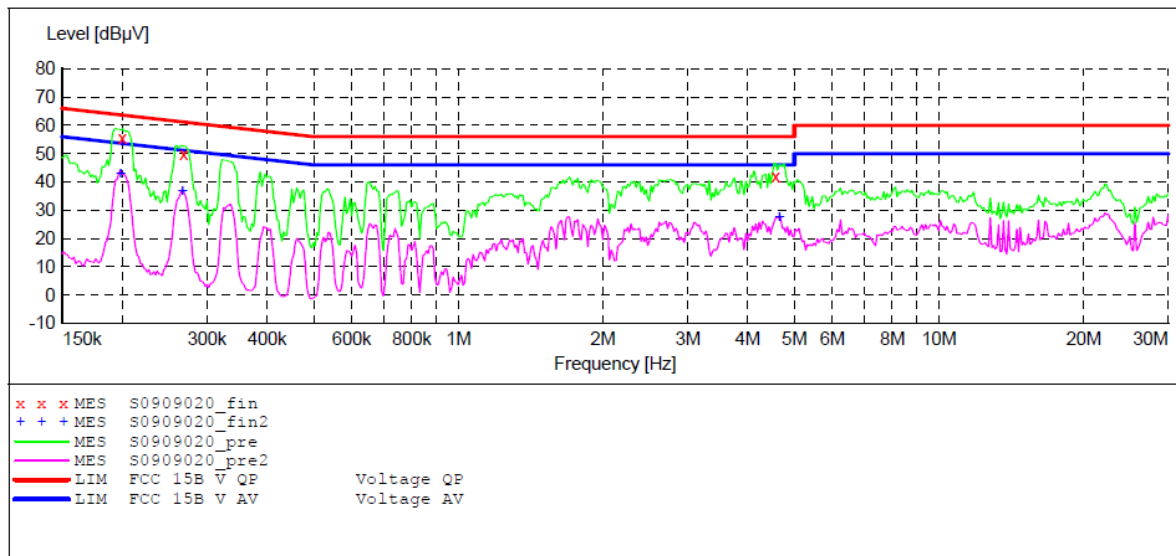
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: HDMI
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:07:59PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909020_fin"

2015-06-25 1:09PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.199834	55.60	11.2	64	8.0	QP	L1	GND
0.268355	49.70	11.5	61	11.5	QP	L1	GND
4.577829	42.00	11.5	56	14.0	QP	L1	GND

MEASUREMENT RESULT: "S0909020_fin2"

2015-06-25 1:09PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.198248	42.80	11.2	54	10.9	AV	L1	GND
0.266225	36.70	11.5	51	14.5	AV	L1	GND
4.651367	27.50	11.5	46	18.5	AV	L1	GND

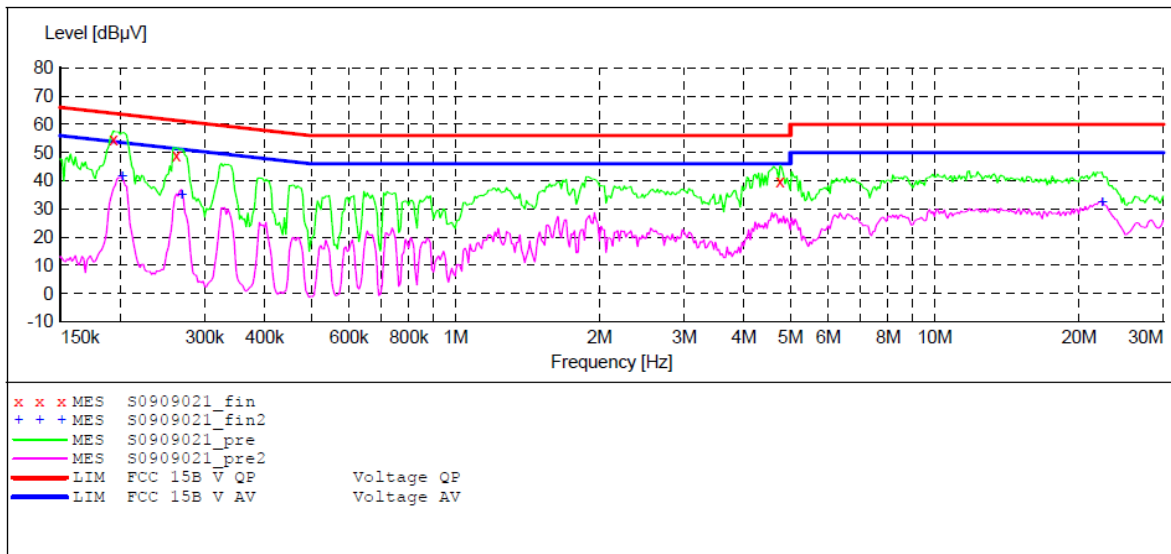
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: HDMI
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:10:15PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909021_fin"

2015-06-25 1:12PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.193566	54.50	11.2	64	9.4	QP	N	GND
0.262016	48.80	11.5	61	12.6	QP	N	GND
4.763895	39.80	11.4	56	16.2	QP	N	GND

MEASUREMENT RESULT: "S0909021_fin2"

2015-06-25 1:12PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.201433	41.40	11.2	54	12.2	AV	N	GND
0.268355	34.80	11.5	51	16.4	AV	N	GND
22.351436	32.20	11.1	50	17.8	AV	N	GND

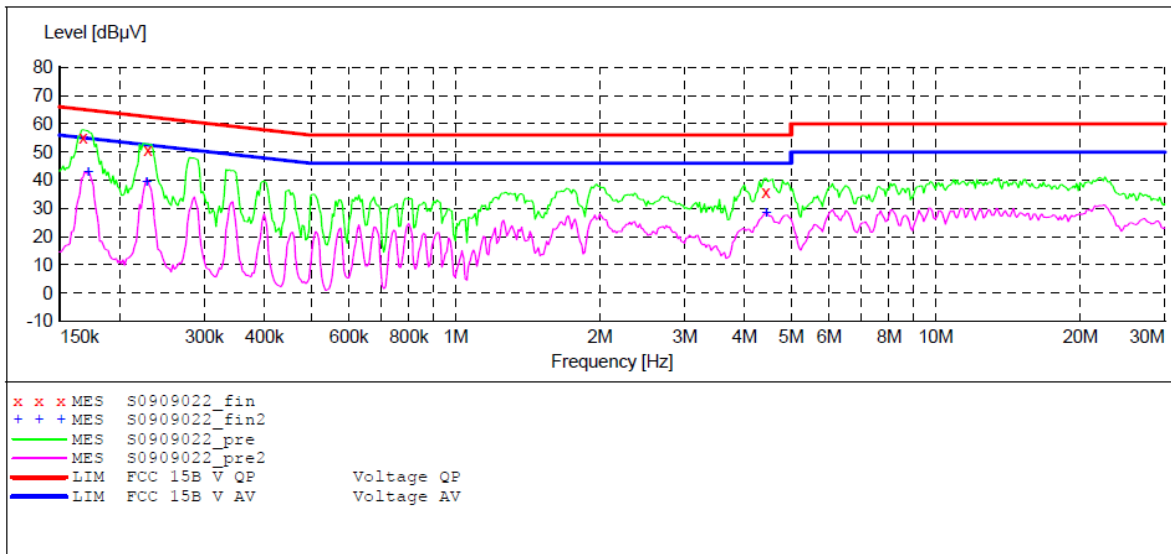
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: AV
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:12:35PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909022_fin"

2015-06-25 1:14PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.167702	55.20	11.1	65	9.9	QP	N	GND
0.228823	50.70	11.4	63	11.8	QP	N	GND
4.434222	35.80	11.5	56	20.2	QP	N	GND

MEASUREMENT RESULT: "S0909022_fin2"

2015-06-25 1:14PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.171759	42.80	11.1	55	12.1	AV	N	GND
0.227007	39.50	11.3	53	13.1	AV	N	GND
4.434222	28.30	11.5	46	17.7	AV	N	GND

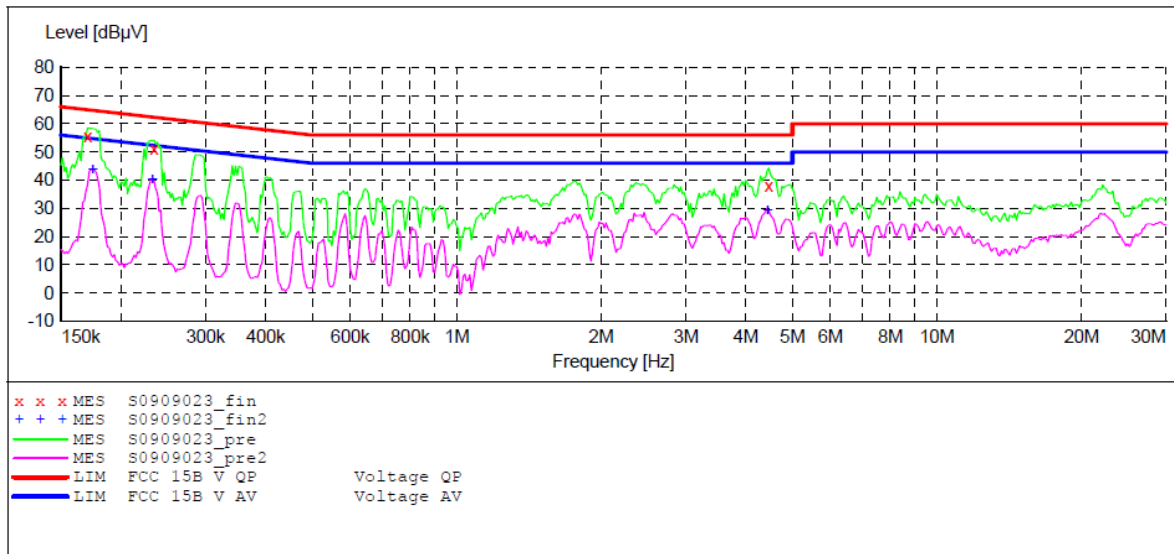
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recorderx
 Operating Condition: AV
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:14:53PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909023_fin"

2015-06-25 1:16PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170396	55.60	11.1	65	9.3	QP	L1	GND
0.234359	51.30	11.4	62	11.0	QP	L1	GND
4.469696	38.10	11.5	56	17.9	QP	L1	GND

MEASUREMENT RESULT: "S0909023_fin2"

2015-06-25 1:16PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.174518	43.50	11.1	55	11.2	AV	L1	GND
0.232499	40.20	11.4	52	12.2	AV	L1	GND
4.434222	29.40	11.5	46	16.6	AV	L1	GND

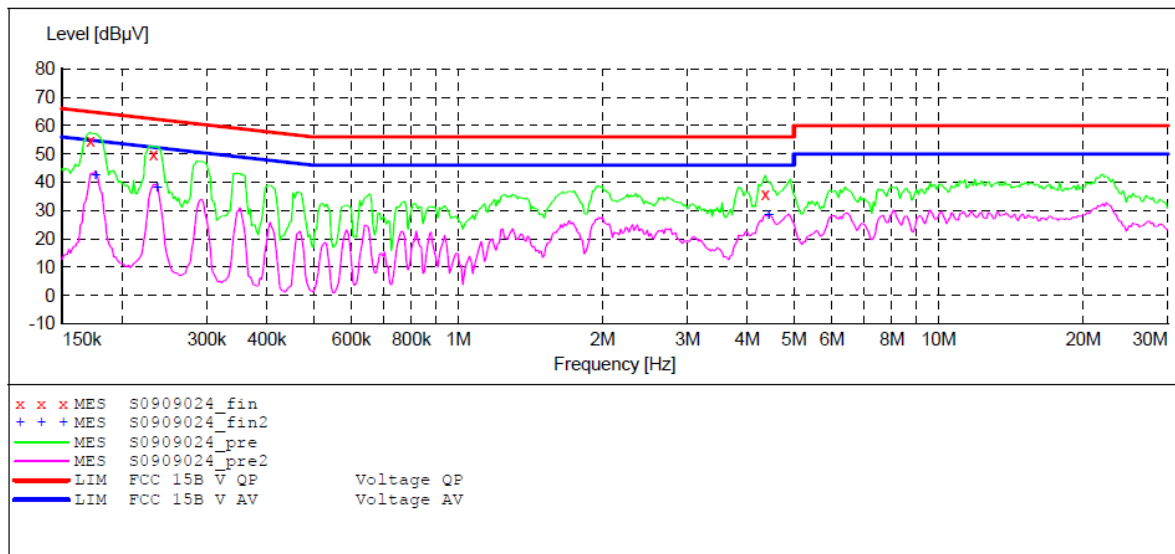
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: USB
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:17:09PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909024_fin"

2015-06-25 1:19PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.171759	54.50	11.1	65	10.4	QP	N	GND
0.232499	50.00	11.4	62	12.4	QP	N	GND
4.364117	35.80	11.5	56	20.2	QP	N	GND

MEASUREMENT RESULT: "S0909024_fin2"

2015-06-25 1:19PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175915	42.50	11.1	55	12.2	AV	N	GND
0.236234	38.00	11.4	52	14.2	AV	N	GND
4.434222	28.10	11.5	46	17.9	AV	N	GND

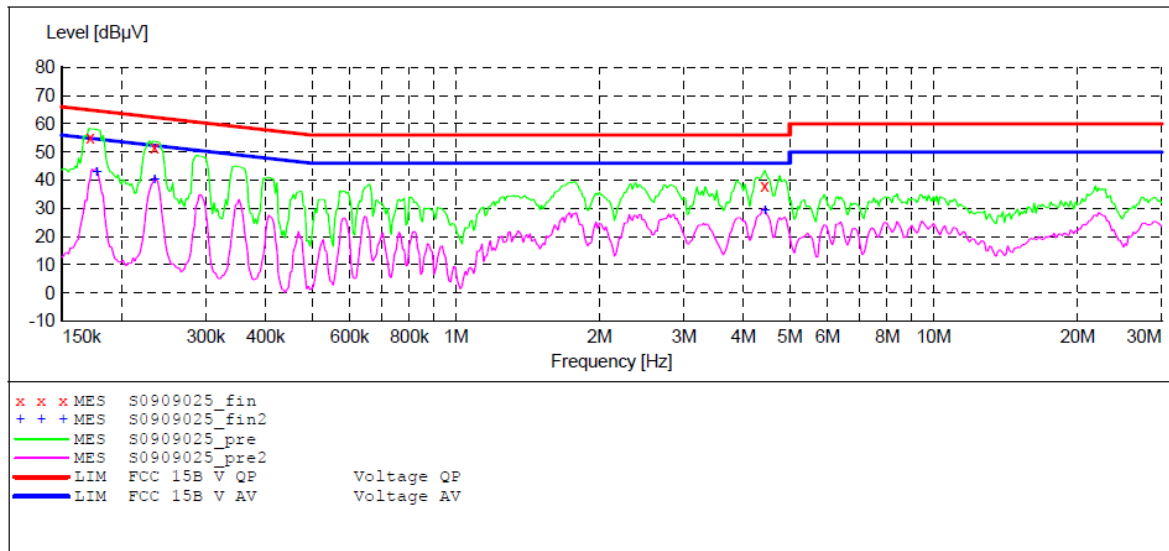
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Interactive Flat Panel M/N:ST-840
 Manufacturer: Recordex
 Operating Condition: USB
 Test Site: 1#Shielding Room
 Operator: Star
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20151179
 Start of Test: 2015-06-25 / 1:19:47PM

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 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average



MEASUREMENT RESULT: "S0909025_fin"

2015-06-25 1:21PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.171759	55.00	11.1	65	9.9	QP	L1	GND
0.234359	51.50	11.4	62	10.8	QP	L1	GND
4.434222	38.00	11.5	56	18.0	QP	L1	GND

MEASUREMENT RESULT: "S0909025_fin2"

2015-06-25 1:21PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.177322	42.70	11.1	55	11.9	AV	L1	GND
0.234359	40.20	11.4	52	12.1	AV	L1	GND
4.434222	29.30	11.5	46	16.7	AV	L1	GND

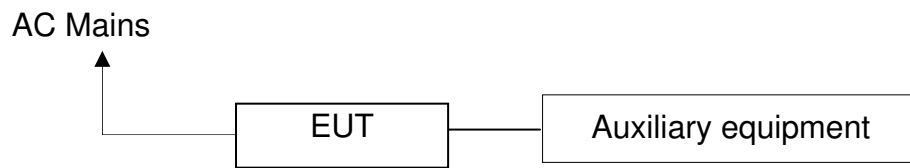
4. RADIATED EMISSION MEASUREMENT

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 9111B	9111B-074	Jan.15, 2015	1 Year
10.	Biconical Broad Band Antenna	Schwarzbeck	VHBB 9124+BBA 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 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

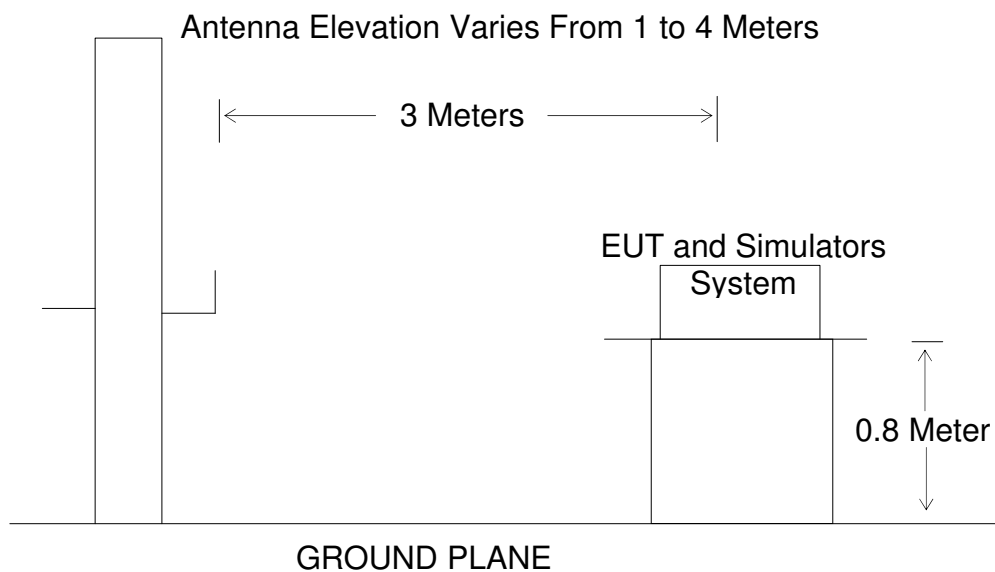
4.2. Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators



(EUT: Interactive Flat Panel)

4.2.2. Anechoic Chamber Test Setup Diagram



(EUT: Interactive Flat Panel)

4.3. Radiated Emission Limit (Class B)

Frequency MHz	Distance 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 $\text{dB}(\mu\text{V}) = 20 \log$ 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-840U

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-840U								
Test mode: USB								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	54.7086	57.10	-20.90	36.20	40.00	-3.80	QP
	2	184.5132	60.23	-21.42	38.81	43.50	-4.69	QP
	3	254.0312	58.69	-19.51	39.18	46.00	-6.82	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	71.4539	58.10	-21.43	36.67	40.00	-3.33	QP
	2	126.2486	63.27	-22.86	40.41	43.50	-3.09	QP
	3	185.8143	59.22	-21.32	37.90	43.50	-5.60	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1336.714	64.26	-12.13	52.13	74.00	-21.87	peak
	2	1336.714	57.00	-12.13	44.87	54.00	-9.13	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1489.394	62.48	-11.52	50.96	74.00	-23.04	peak
	2	1489.394	58.00	-11.52	46.48	54.00	-7.52	AVG

Model Number: ST-840U								
Test mode: AV								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	46.5439	57.63	-19.79	37.84	40.00	-2.16	QP
	2	57.0646	56.83	-20.99	35.84	40.00	-4.16	QP
	3	185.1626	61.20	-21.37	39.83	43.50	-3.67	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	57.0645	57.64	-20.99	36.65	40.00	-3.35	QP
	2	70.7047	57.28	-21.39	35.89	40.00	-4.11	QP
	3	125.8058	63.91	-22.83	41.08	43.50	-2.42	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1195.369	47.95	4.44	52.39	74.00	-21.61	peak
	2	1195.369	41.90	4.44	46.34	54.00	-7.66	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1195.369	47.13	4.44	51.57	74.00	-22.43	peak
	2	1195.369	41.67	4.44	46.11	54.00	-7.89	AVG

Model Number: ST-840U								
Test mode: HDMI								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	70.9535	59.30	-21.40	37.90	40.00	-2.10	QP
	2	159.1982	63.60	-22.93	40.67	43.50	-2.83	QP
	3	264.9708	62.04	-18.86	43.18	46.00	-2.82	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	45.8943	57.10	-19.62	37.48	40.00	-2.52	QP
	2	125.3646	62.67	-22.81	39.86	43.50	-3.64	QP
	3	159.7586	63.97	-22.87	41.10	43.50	-2.40	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1110.210	57.54	-4.45	53.09	74.00	-20.91	peak
	2	1110.210	52.40	-4.45	47.95	54.00	-6.05	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1110.210	57.37	-4.45	52.92	74.00	-21.08	peak
	2	1110.210	51.40	-4.45	46.95	54.00	-7.05	AVG

Model Number: ST-840U Test mode: VGA								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	71.4539	58.61	-21.43	37.18	40.00	-2.82	QP
	2	182.5785	61.24	-21.61	39.63	43.50	-3.87	QP
	3	708.6941	52.02	-9.60	42.42	46.00	-3.58	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	70.9535	58.03	-21.40	36.63	40.00	-3.37	QP
	2	126.2486	62.35	-22.86	39.49	43.50	-4.01	QP
	3	184.5132	62.78	-21.42	41.36	43.50	-2.14	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1110.210	48.28	3.90	52.18	74.00	-21.82	peak
	2	1110.210	43.67	3.90	47.57	54.00	-6.43	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1110.210	47.67	3.90	51.57	74.00	-22.43	peak
	2	1110.210	44.56	3.90	48.46	54.00	-5.54	AVG

Model Number: ST-840U Test mode: WAN IN								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	47.0371	55.79	-19.92	35.87	40.00	-4.13	QP
	2	70.7047	58.46	-21.39	37.07	40.00	-2.93	QP
	3	118.6814	63.94	-22.48	41.46	43.50	-2.04	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	30.5317	52.14	-16.88	35.26	40.00	-4.74	QP
	2	70.9536	58.67	-21.40	37.27	40.00	-2.73	QP
	3	128.4861	63.22	-22.95	40.27	43.50	-3.23	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1489.394	55.02	-3.24	51.78	74.00	-22.22	peak
	2	1489.394	50.10	-3.24	46.86	54.00	-7.14	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	1489.394	55.44	-3.24	52.20	74.00	-21.80	peak
	2	1489.394	50.10	-3.24	46.86	54.00	-7.14	AVG

Job No.: STAR2015 #802
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Interactive Flat Panel
 Mode: USB Playing
 Model: ST-840
 Manufacturer: Recordex

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/06/
 Time: 9/40/19
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20151179

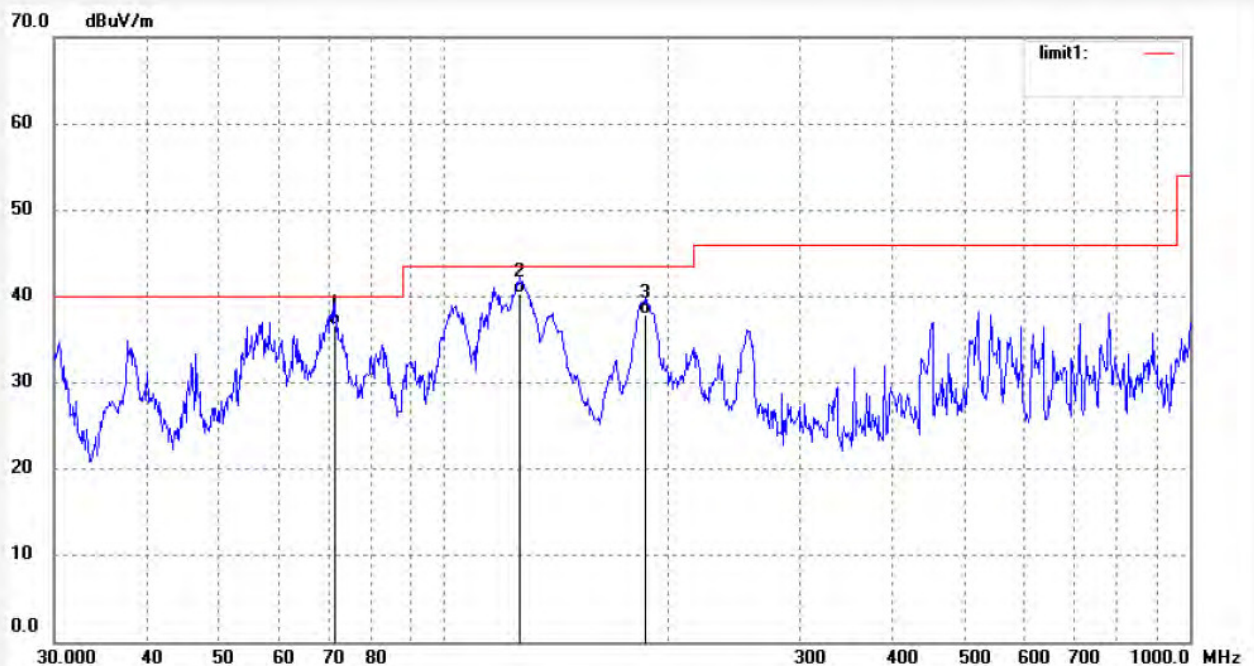


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	54.7086	57.10	-20.90	36.20	40.00	-3.80	QP			
2	184.5132	60.23	-21.42	38.81	43.50	-4.69	QP			
3	254.0312	58.69	-19.51	39.18	46.00	-6.82	QP			

Job No.: STAR2015 #803
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Interactive Flat Panel
 Mode: USB Playing
 Model: ST-840
 Manufacturer: Recordex

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/06/
 Time: 9/45/18
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20151179

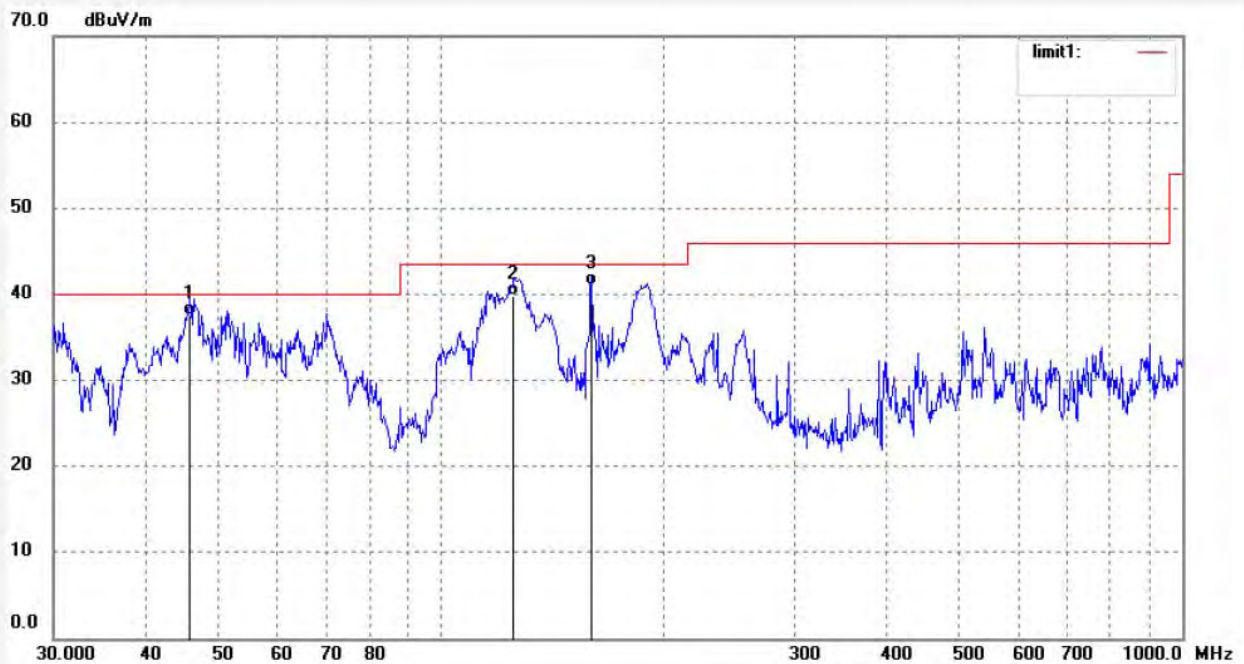


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	71.4539	58.10	-21.43	36.67	40.00	-3.33	QP			
2	126.2486	63.27	-22.86	40.41	43.50	-3.09	QP			
3	185.8143	59.22	-21.32	37.90	43.50	-5.60	QP			

Job No.: STAR2015 #804
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Interactive Flat Panel
Mode: HDMI
Model: ST-840
Manufacturer: Recordex

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/06/06/
Time: 9/53/05
Engineer Signature:
Distance: 3m

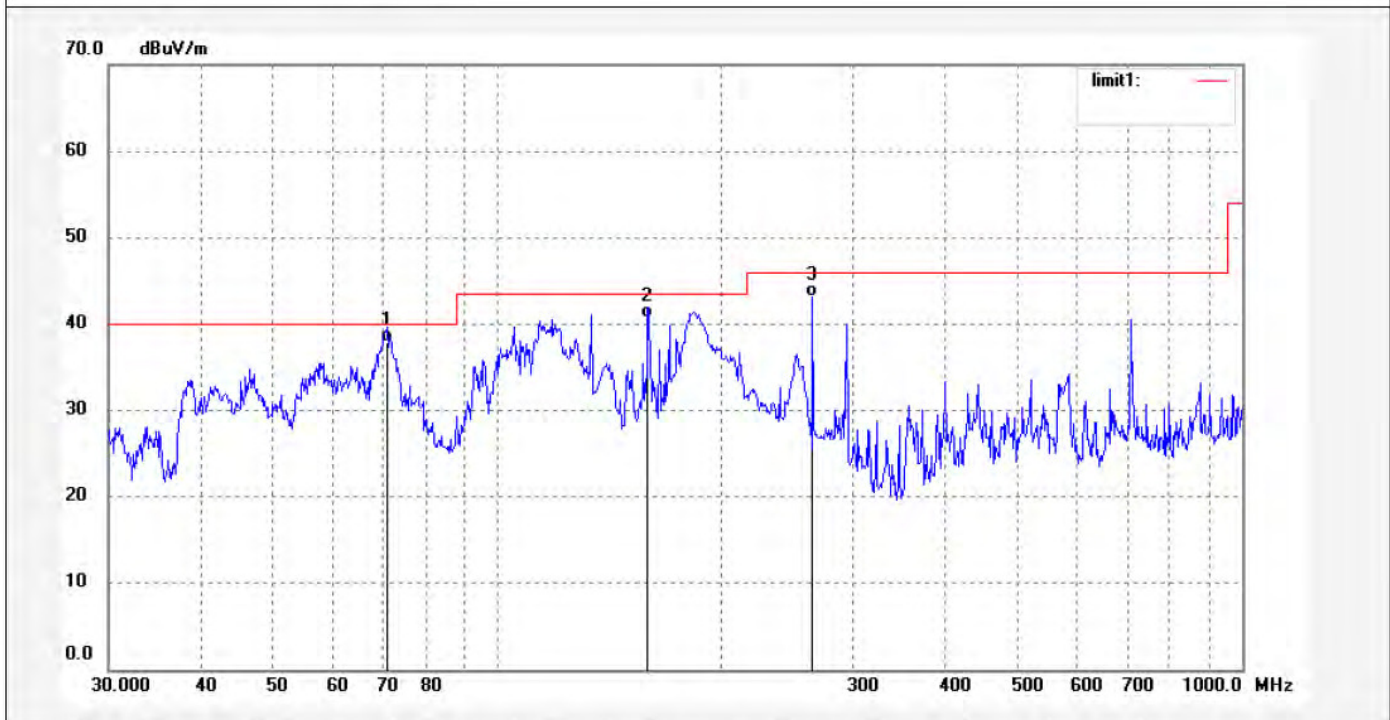
Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	45.8943	57.10	-19.62	37.48	40.00	-2.52	QP			
2	125.3646	62.67	-22.81	39.86	43.50	-3.64	QP			
3	159.7586	63.97	-22.87	41.10	43.50	-2.40	QP			

Job No.: STAR2015 #805	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/06/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/54/05
EUT: Interactive Flat Panel	Engineer Signature:
Mode: HDMI	Distance: 3m
Model: ST-840	
Manufacturer: Recordex	

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	70.9535	59.30	-21.40	37.90	40.00	-2.10	QP			
2	159.1982	63.60	-22.93	40.67	43.50	-2.83	QP			
3	264.9708	62.04	-18.86	43.18	46.00	-2.82	QP			

Job No.: STAR2015 #806
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Interactive Flat Panel
 Mode: AV
 Model: ST-840
 Manufacturer: Recordex

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/06/
 Time: 9/57/32
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	46.5439	57.63	-19.79	37.84	40.00	-2.16	QP			
2	57.0646	56.83	-20.99	35.84	40.00	-4.16	QP			
3	185.1626	61.20	-21.37	39.83	43.50	-3.67	QP			

Job No.: STAR2015 #807

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Interactive Flat Panel

Mode: AV

Model: ST-840

Manufacturer: Recordex

Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 15/06/06/

Time: 10/01/27

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179

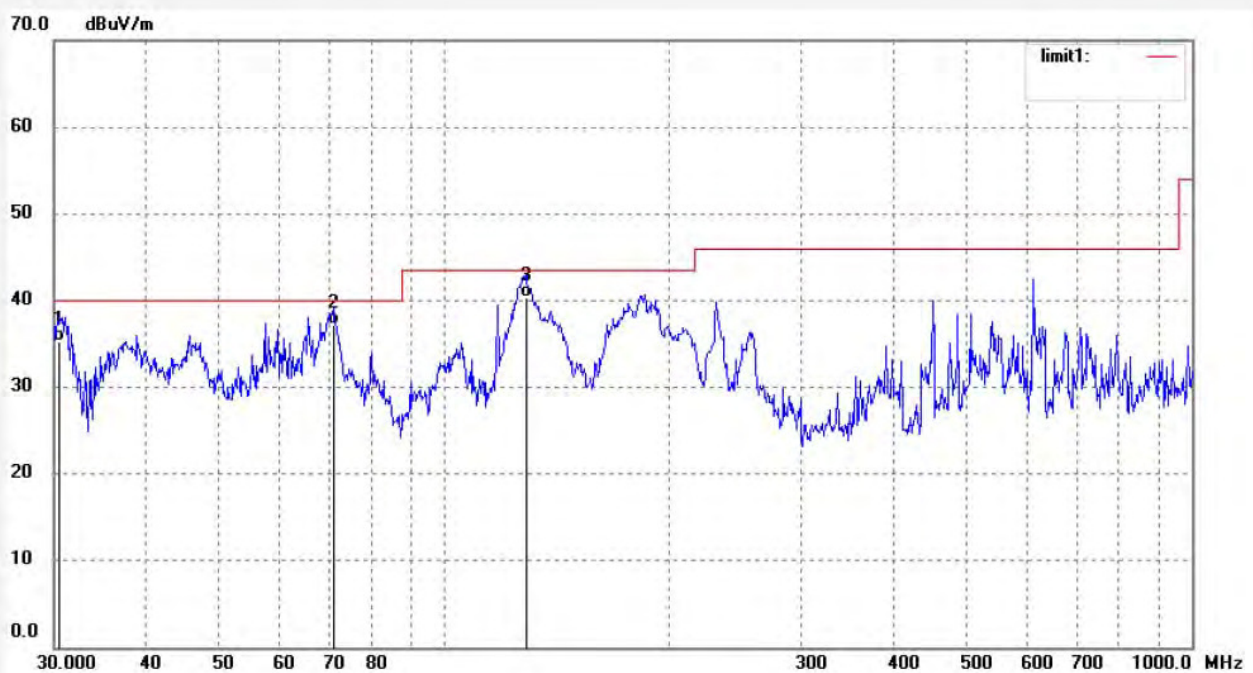


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	57.0645	57.64	-20.99	36.65	40.00	-3.35	QP			
2	70.7047	57.28	-21.39	35.89	40.00	-4.11	QP			
3	125.8058	63.91	-22.83	41.08	43.50	-2.42	QP			

Job No.: STAR2015 #808
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Interactive Flat Panel
 Mode: WAN IN
 Model: ST-840
 Manufacturer: Recordex

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/06/
 Time: 10/05/45
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20151179

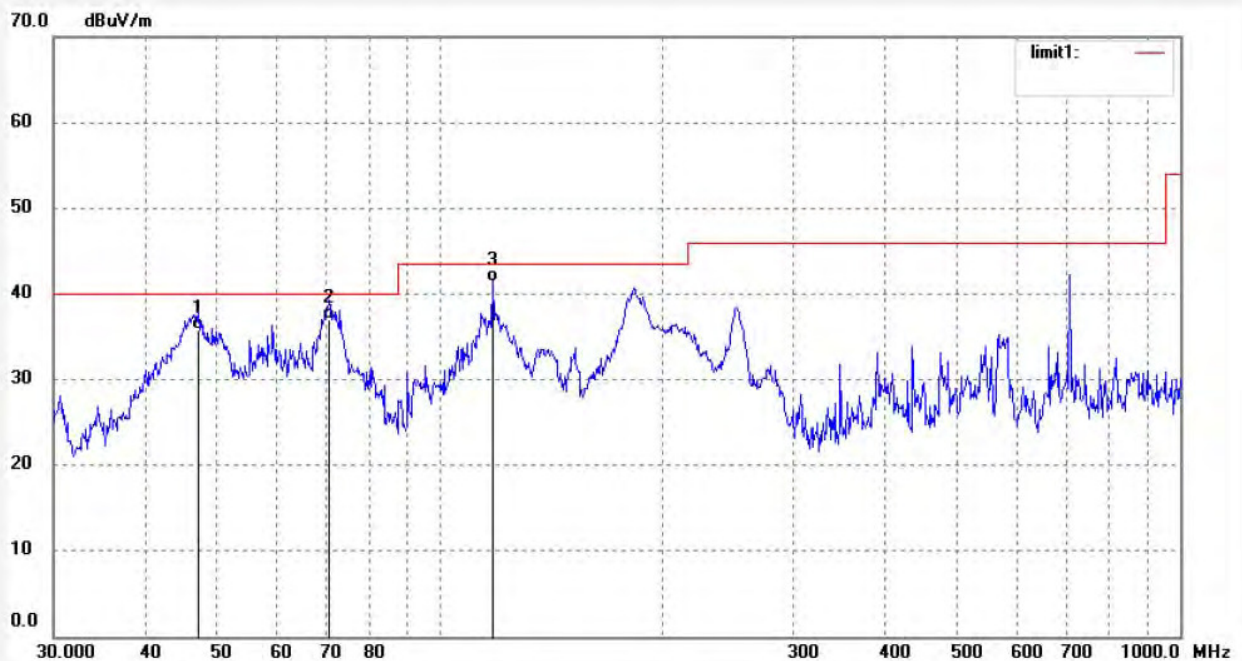


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	30.5317	52.14	-16.88	35.26	40.00	-4.74	QP			
2	70.9536	58.67	-21.40	37.27	40.00	-2.73	QP			
3	128.4861	63.22	-22.95	40.27	43.50	-3.23	QP			

Job No.: STAR2015 #809
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Interactive Flat Panel
Mode: WAN IN
Model: ST-840
Manufacturer: Recordex

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/06/06/
Time: 10/10/45
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20151179

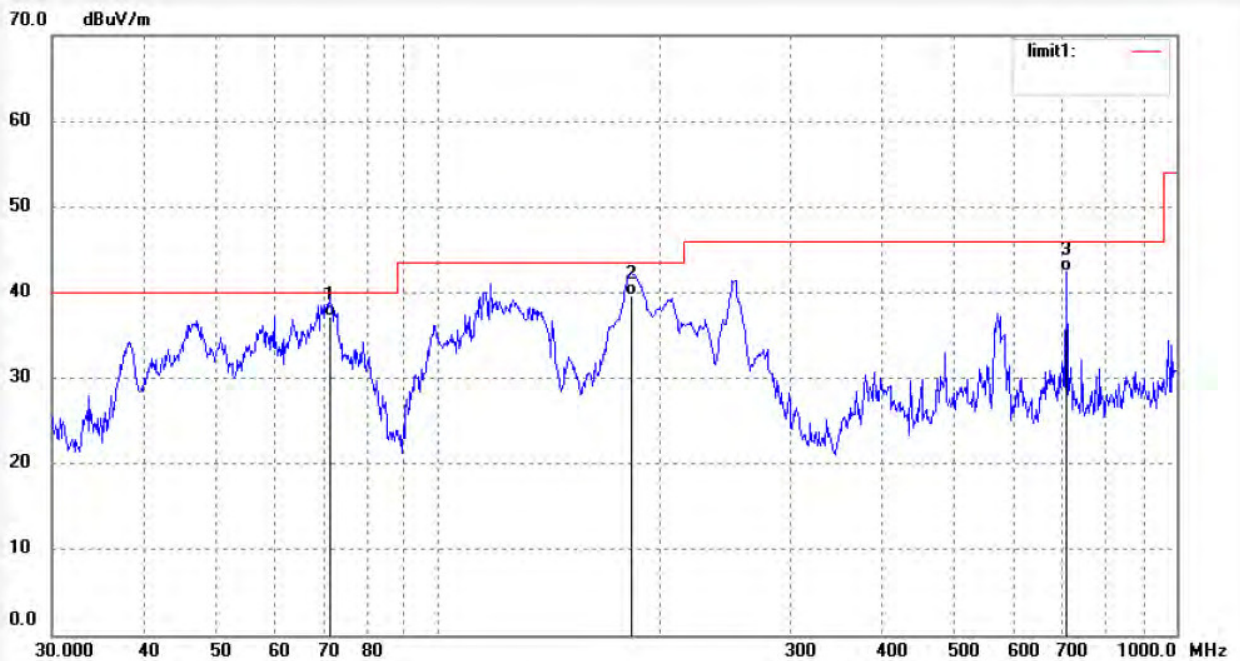


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	47.0371	55.79	-19.92	35.87	40.00	-4.13	QP			
2	70.7047	58.46	-21.39	37.07	40.00	-2.93	QP			
3	118.6814	63.94	-22.48	41.46	43.50	-2.04	QP			

Job No.: STAR2015 #810
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Interactive Flat Panel
Mode: VGA
Model: ST-840
Manufacturer: Recordex

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/06/06/
Time: 10/14/06
Engineer Signature:
Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	71.4539	58.61	-21.43	37.18	40.00	-2.82	QP			
2	182.5785	61.24	-21.61	39.63	43.50	-3.87	QP			
3	708.6941	52.02	-9.60	42.42	46.00	-3.58	QP			

Job No.: STAR2015 #811
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Interactive Flat Panel
 Mode: VGA
 Model: ST-840
 Manufacturer: Recordex

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/06/
 Time: 10/19/53
 Engineer Signature:
 Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	70.9535	58.03	-21.40	36.63	40.00	-3.37	QP			
2	126.2486	62.35	-22.86	39.49	43.50	-4.01	QP			
3	184.5132	62.78	-21.42	41.36	43.50	-2.14	QP			

Job No.: STAR20156 #851

Standard: FCC PK

Test item: Radiation Test

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

EUT: Interactive Flat Panel

Mode: HDMI

Model: ST-840

Manufacturer: Recordex

Polarization: Vertical

Power Source: AC 120V/60Hz

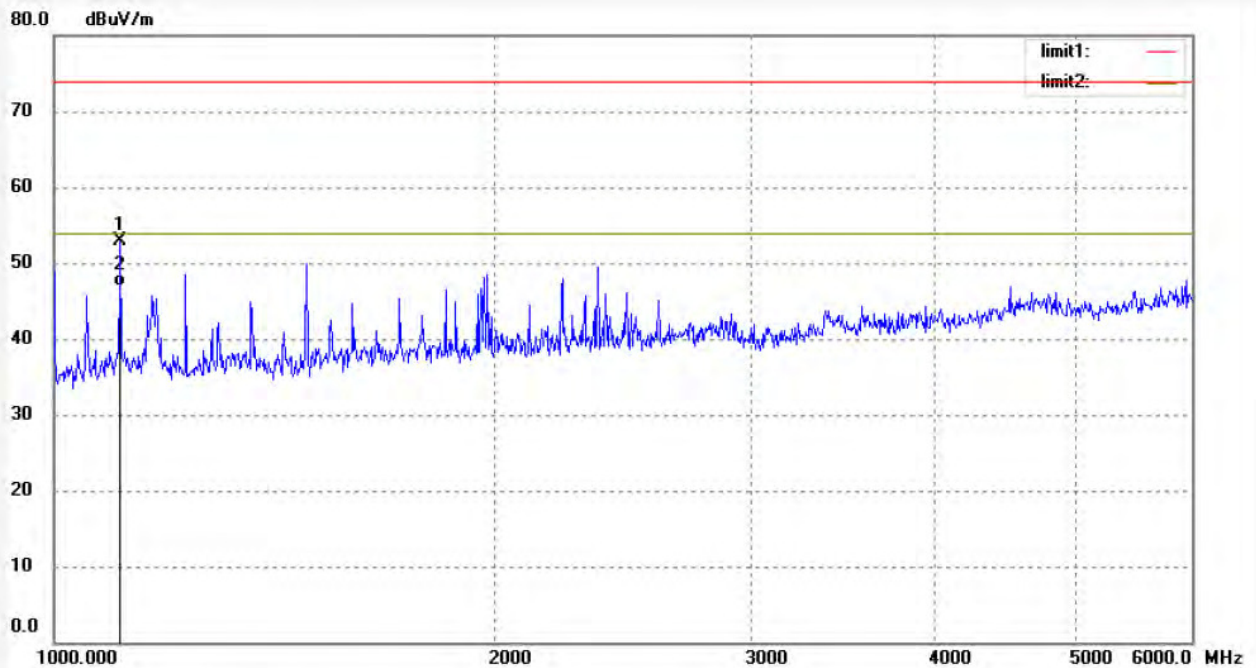
Date: 15/06/06/

Time: 11/10/22

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1110.210	57.37	-4.45	52.92	74.00	-21.08	peak			
2	1110.210	51.40	-4.45	46.95	54.00	-7.05	AVG			

Job No.: STAR20156 #852

Polarization: Horizontal

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/06/

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

Time: 11/14/20

EUT: Interactive Flat Panel

Engineer Signature:

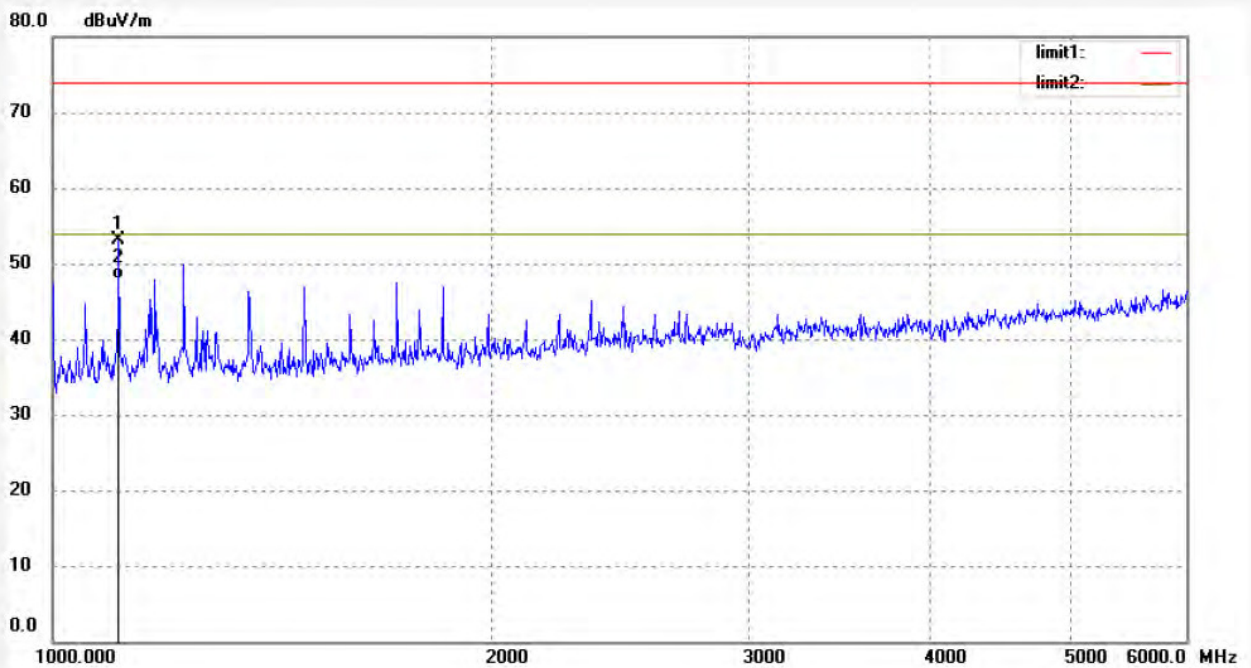
Mode: HDMI

Distance: 3m

Model: ST-840

Manufacturer: Recordex

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1110.210	57.54	-4.45	53.09	74.00	-20.91	peak			
2	1110.210	52.40	-4.45	47.95	54.00	-6.05	AVG			

Job No.: STAR20156 #853

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Interactive Flat Panel

Mode: VGA

Model: ST-840

Manufacturer: Recordex

Polarization: Horizontal

Power Source: AC 120V/60Hz

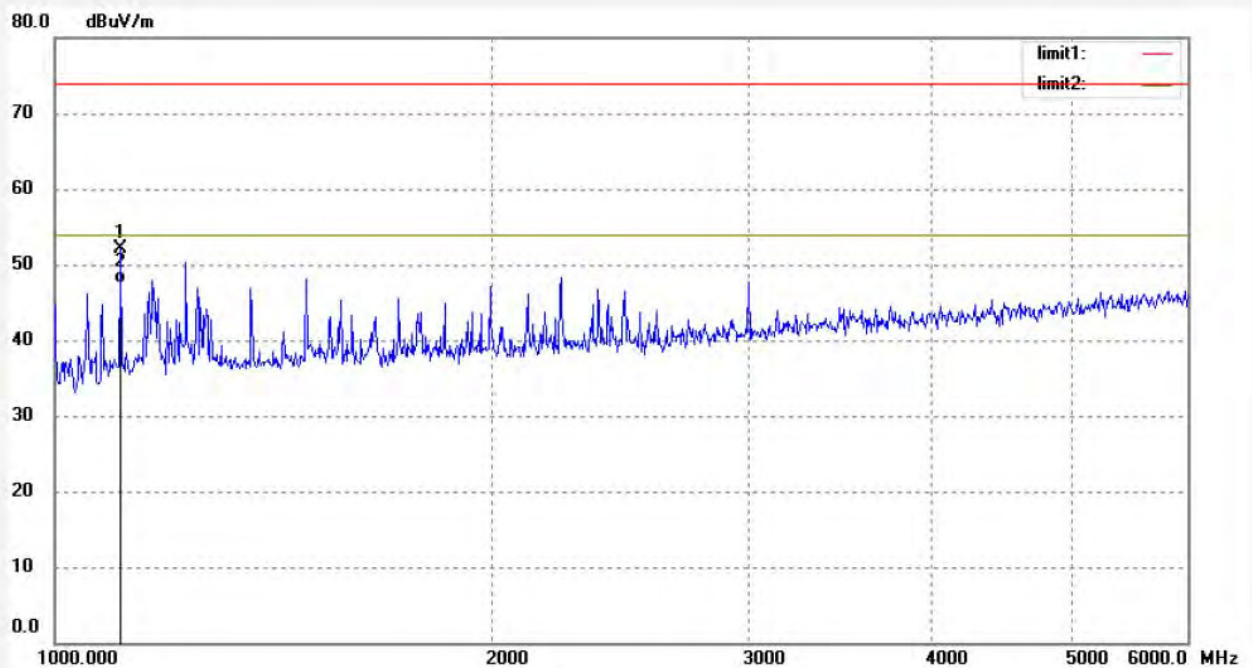
Date: 15/06/06/

Time: 11/18/37

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1110.210	48.28	3.90	52.18	74.00	-21.82	peak			
2	1110.210	43.67	3.90	47.57	54.00	-6.43	AVG			

Job No.: STAR20156 #854

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/06/

Temp.(C)/Hum.(%) 23 C / 48 %

Time: 11/23/18

EUT: Interactive Flat Panel

Engineer Signature:

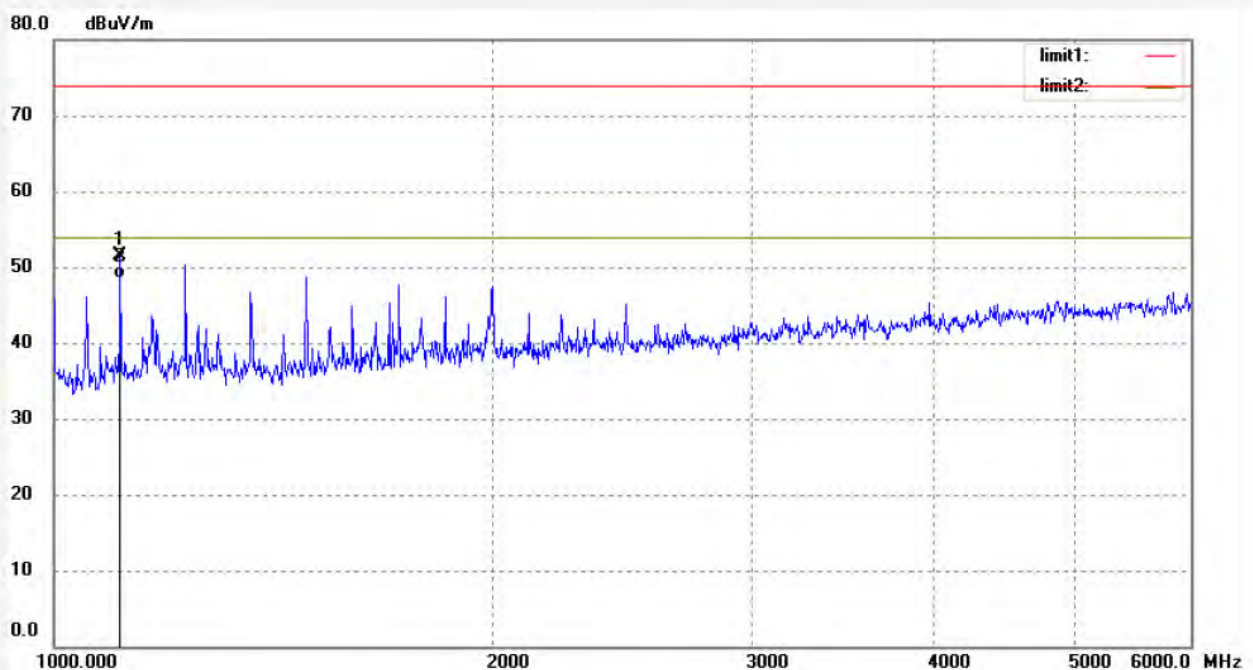
Mode: VGA

Distance: 3m

Model: ST-840

Manufacturer: Recordex

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1110.210	47.67	3.90	51.57	74.00	-22.43	peak			
2	1110.210	44.56	3.90	48.46	54.00	-5.54	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR20156 #855

Standard: FCC PK

Test item: Radiation Test

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

EUT: Interactive Flat Panel

Mode: WAN IN

Model: ST-840

Manufacturer: Recordex

Polarization: Horizontal

Power Source: AC 120V/60Hz

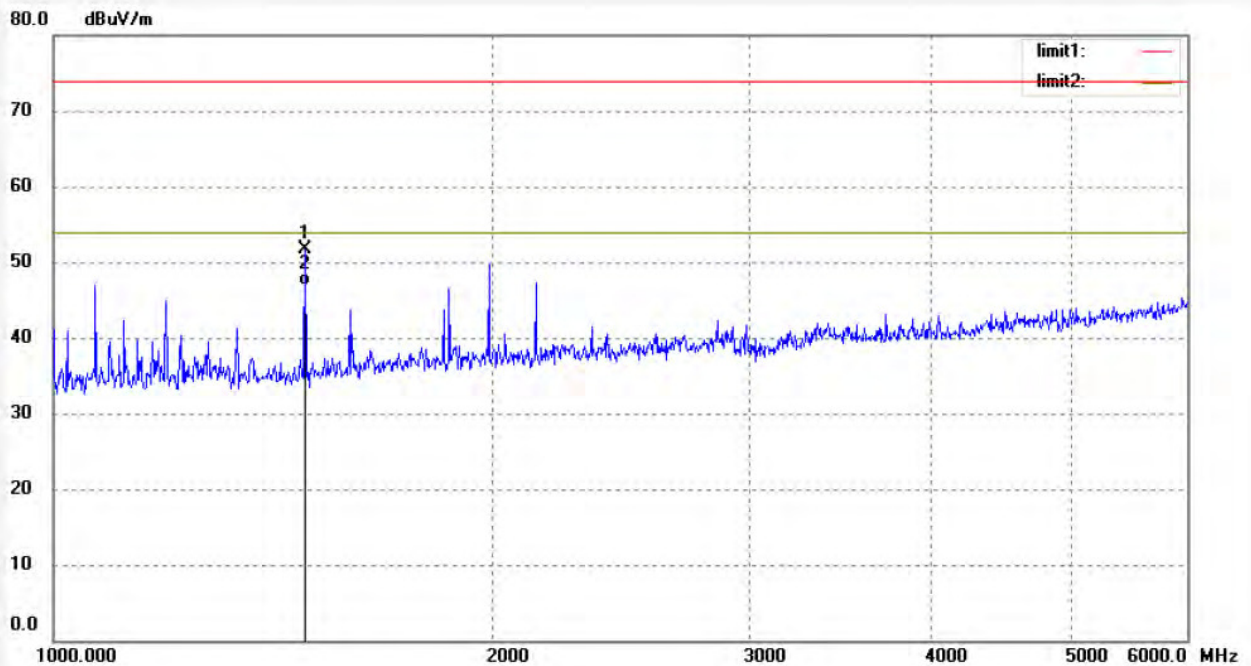
Date: 15/06/06/

Time: 11/27/18

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1489.394	55.02	-3.24	51.78	74.00	-22.22	peak			
2	1489.394	50.10	-3.24	46.86	54.00	-7.14	AVG			

Job No.: STAR20156 #856

Polarization: Vertical

Standard: FCC PK

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 15/06/06/

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

Time: 11/31/18

EUT: Interactive Flat Panel

Engineer Signature:

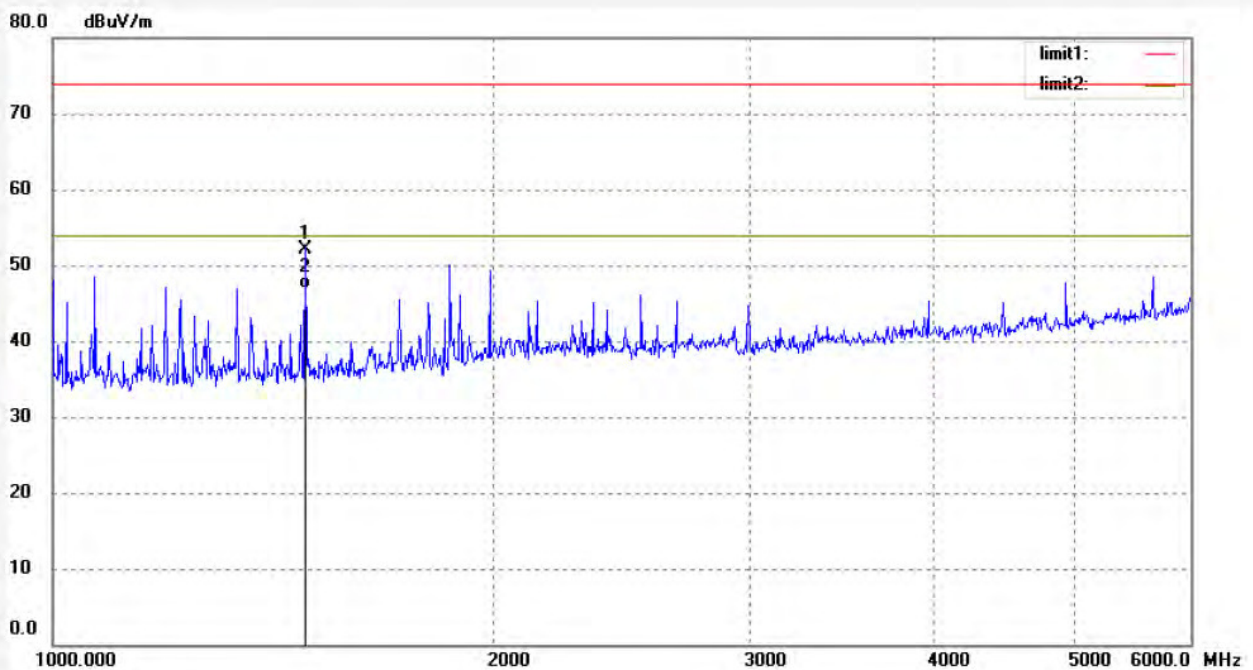
Mode: WAN IN

Distance: 3m

Model: ST-840

Manufacturer: Recordex

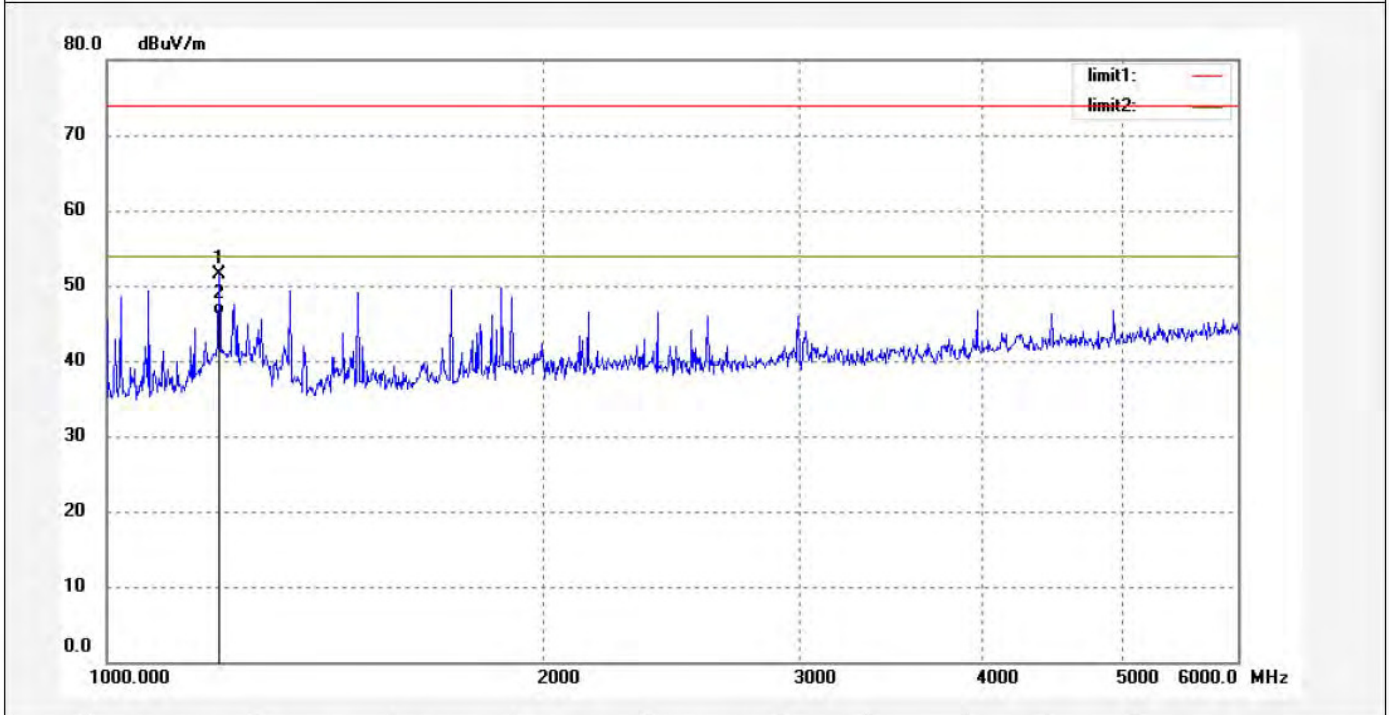
Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1489.394	55.44	-3.24	52.20	74.00	-21.80	peak			
2	1489.394	50.10	-3.24	46.86	54.00	-7.14	AVG			

Job No.: STAR20156 #859	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/06/
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 11/35/18
EUT: Interactive Flat Panel	Engineer Signature:
Mode: AV	Distance: 3m
Model: ST-840	
Manufacturer: Recordex	

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1195.369	47.13	4.44	51.57	74.00	-22.43	peak			
2	1195.369	41.67	4.44	46.11	54.00	-7.89	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR20156 #860

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Interactive Flat Panel

Mode: AV

Model: ST-840

Manufacturer: Recordex

Polarization: Horizontal

Power Source: AC 120V/60Hz

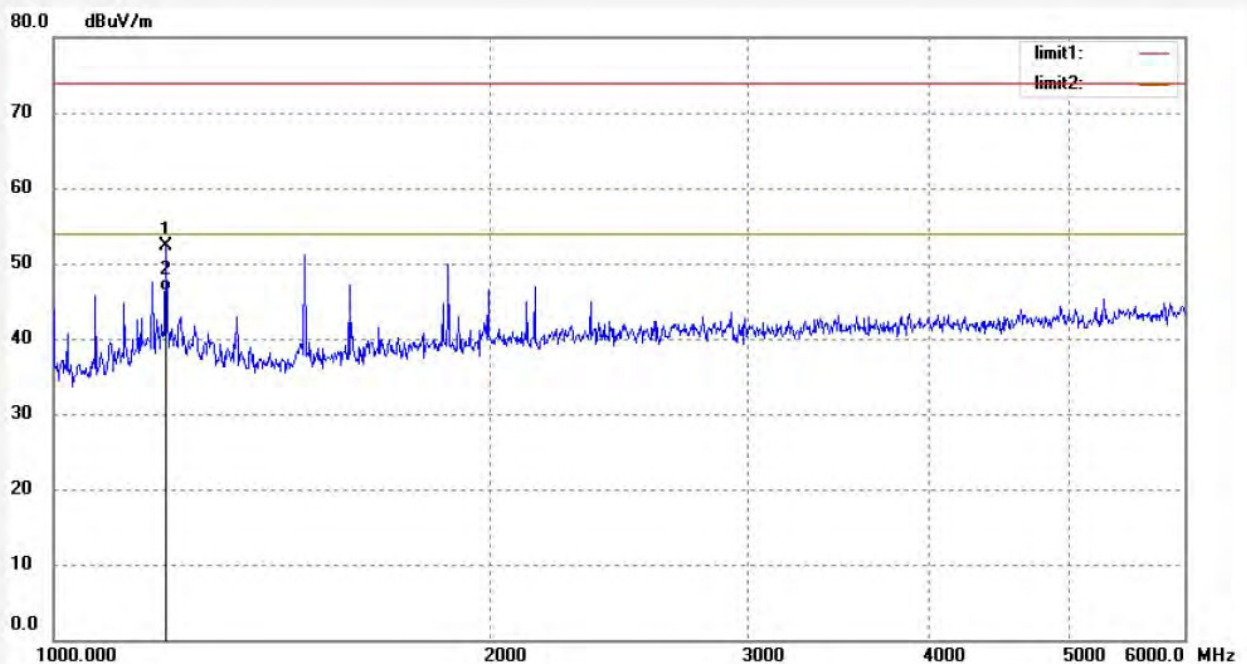
Date: 15/06/06/

Time: 11/40/18

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1195.369	47.95	4.44	52.39	74.00	-21.61	peak			
2	1195.369	41.90	4.44	46.34	54.00	-7.66	AVG			



ACCURATE TECHNOLOGY CO., LTD.

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

Job No.: STAR20156 #861

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Interactive Flat Panel

Mode: USB

Model: ST-840

Manufacturer: Recordex

Polarization: Horizontal

Power Source: AC 120V/60Hz

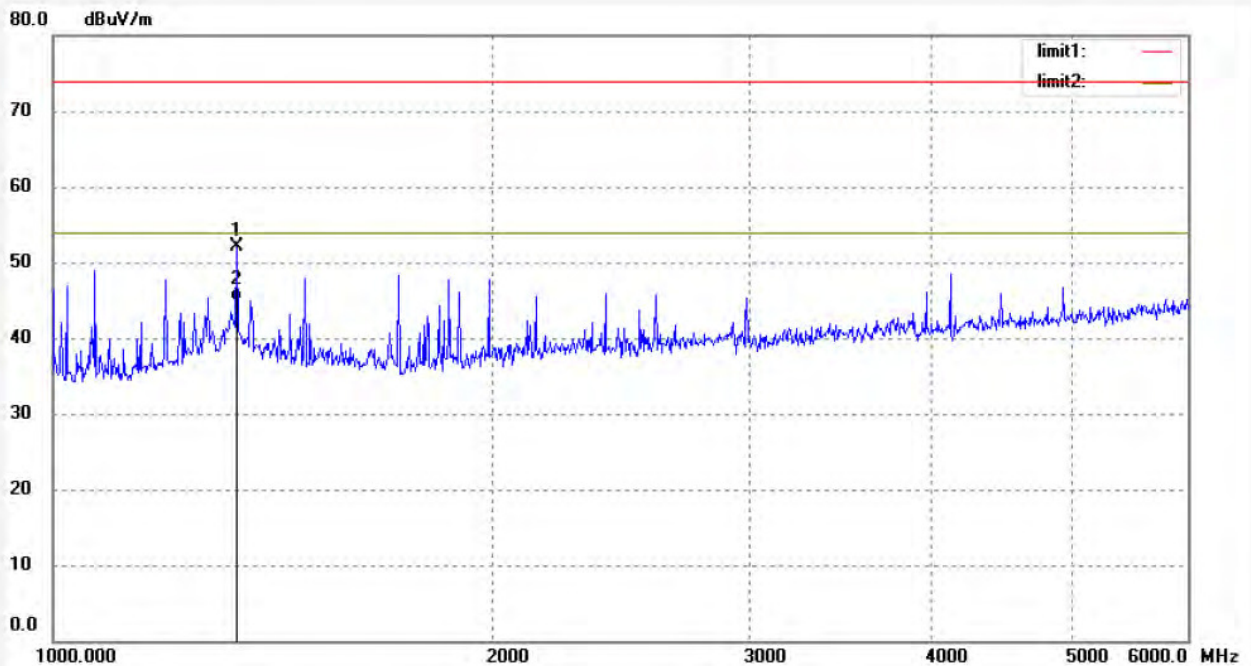
Date: 15/06/06/

Time: 11/43/18

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1336.714	64.26	-12.13	52.13	74.00	-21.87	peak			
2	1336.714	57.00	-12.13	44.87	54.00	-9.13	AVG			

Job No.: STAR20156 #862

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Interactive Flat Panel

Mode: USB

Model: ST-840

Manufacturer: Recordex

Polarization: Vertical

Power Source: AC 120V/60Hz

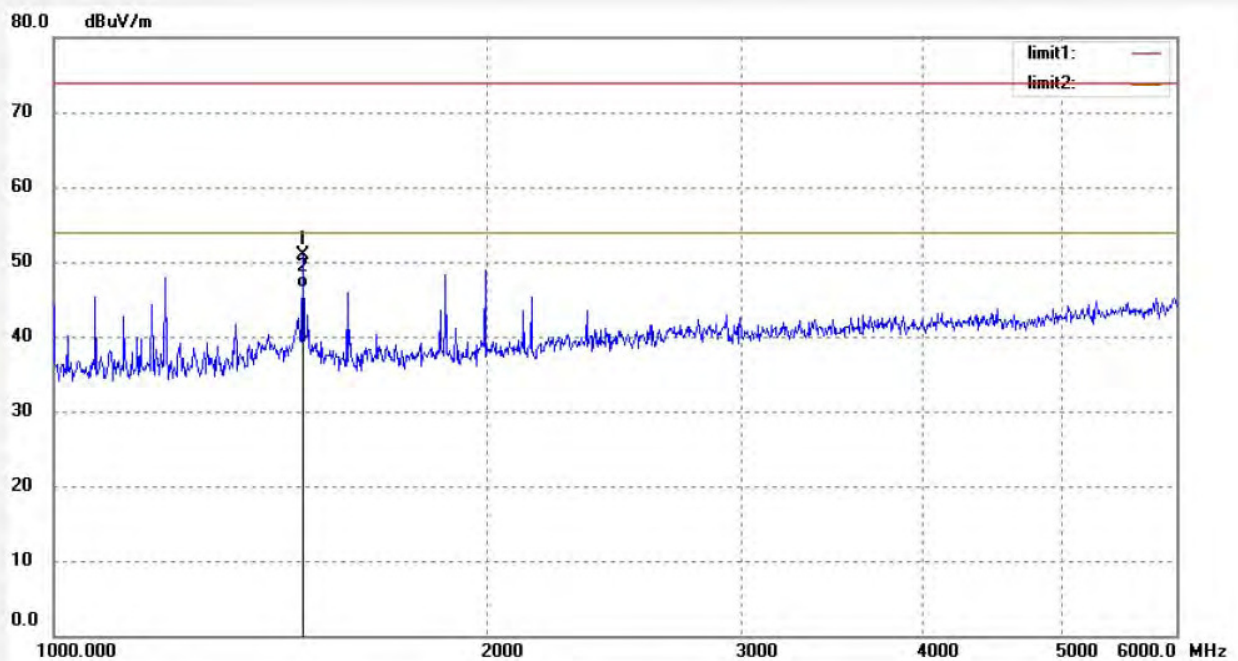
Date: 15/06/06/

Time: 11/47/18

Engineer Signature:

Distance: 3m

Note: Report No.:ATE20151179



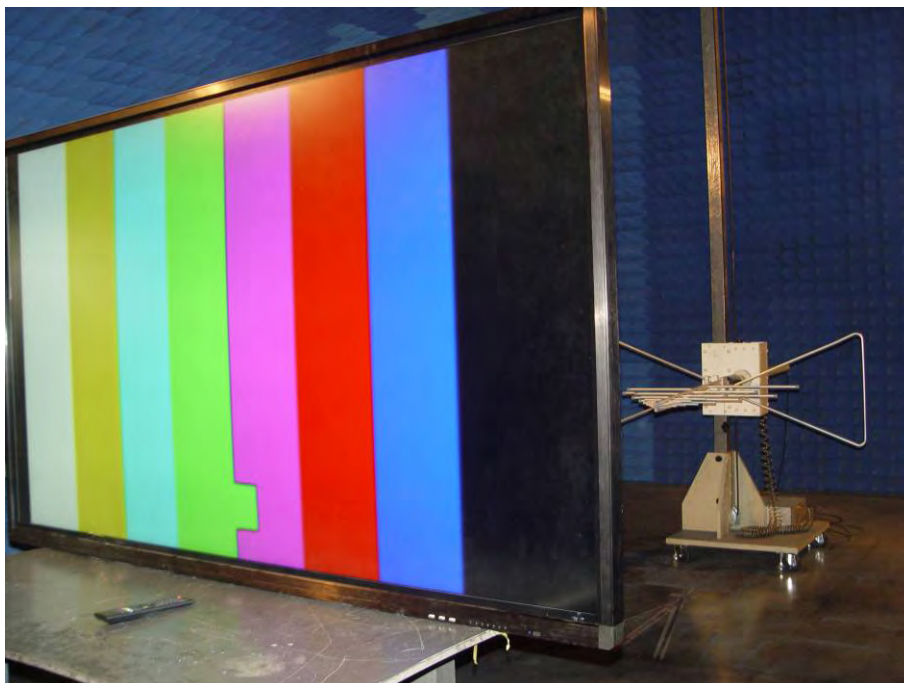
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1489.394	62.48	-11.52	50.96	74.00	-23.04	peak			
2	1489.394	58.00	-11.52	46.48	54.00	-7.52	AVG			

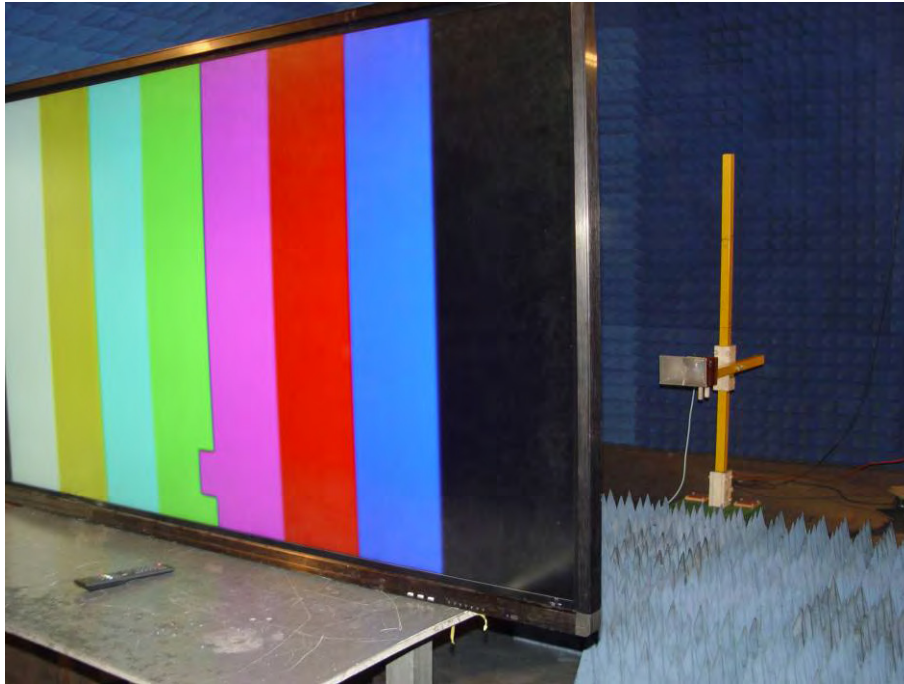
5. PHOTOGRAPHS

5.1.Photos of Power Line Conducted Measurement



5.2.Photos of Radiated Measurement





5.3.Photo of EUT







