

# **EMC Test Report**

Product Name:

Media Facade LED Display/Stripe Curtain LED Display

Model Number:

P15, P25, P31

Applicant:

Guangzhou Cai Tai Electronic Technology Co., Ltd.

**KeySense Testing & Certification International Co., Ltd.** 

1-3F, Lab Building, No.29 District, ZhongKai Hi-Tech Industrial Development Park, Huizhou, Guangdong, China



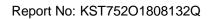
	14	Test Rep	oort of EMC		
Product name	Media Facade LED Display/Stripe Curtain LED Display				
Model number		P15, P25, P31			
	Name	Guangzhou Cai Tai Electronic Technology Co., Ltd.			
Applicant	Address	NO.5 NANJIANO	G ROAD 2, NANSHA CHINA	DESTRICT, GUANGZHOU,	
	Name	Guangzho	u Cai Tai Electronic	Technology Co., Ltd.	
Manufacturer	Address	NO.5 NANJIANO	ROAD 2, NANSHA CHINA	DESTRICT, GUANGZHOU,	
	Name	Guangzhou Cai Tai Electronic Technology Co., Ltd.			
Factory	Address	NO.5 NANJIANG ROAD 2, NANSHA DESTRICT, GUANGZHOU, CHINA			
Trade Name					
Receipt date	Sep	06, 2018	Quantity	3	
Test site	1F,Lab Bu		t, ZhongKai Hi-Tech In hou, Guangdong, Chir	dustrial Development Park, na.	
Test period	Sep 06, 2	2018-Sep 18,2018	Issue date	Nov 16,2018	
Test result	The equipment under test was found to be compliance with the requirements of the applicant applied.				
Tested by: Star.Wang		Sign: Sta	r.wong Date: 20/8	.11-16 Sing & Certification	
Reviewed by: Jack.Li		Sign: Jay	h Date: 2018	-1/-1( S (Stamp)	
Approved by: Lake. Wang (Supervisor)		Sign:	War Date: 2018	pplied.  . [[-(b) sin 9 %. Certification.  . []-1]-1 (Stamp)  (Stamp)	





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#### 1 GENERAL INFORMATION

1.1 Description of Device(EUT)

Description: Media Facade LED Display/Stripe Curtain LED Display

Model Number: P15, P25, P31

Input: 220-240Vac ;50/60Hz ;1.8A

Output 400W

Test Voltage: AC 230V/50 Hz



## 1.2 EUT operating mode(s)

To achieve compliance applied standard specification, the following mode(s) were made during compliance testing:

Operating mode 1	All White

## 1.3 Tested Supporting System Details

No.	Description	KST No.	Manufacturer	Model	Serial Number
1.	/	/	/	/	/







1.4 Test Facility

Site Description: 1-3F, Lab Building, No.29 District, ZhongKai Hi-Tech Industrial Development

Park, Huizhou, Guangdong, China

Name of Firm: KeySense Testing & Certification International Co., Ltd.

EMC Lab: Certificated by CNAL, CHINA

Registration No.:L9678

Date of registration: Feb 07, 2017





## 1.5 Measurement Uncertainty(95% confidence levels, k=2)

Test Item	Uncertainty	
Uncertainty for Radiation Emission test in 10m chamber	4.1dB(30M~1GHz,Polarize:V)	
	4.0dB(30M~1GHz,Polarize:H)	







## 1.6 Test Equipments

## 1.6.1 For radiated emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Receiver	R&S	ESR7	101661	2018.03.11	1 year
Trilog-boardband antenna	SCHWARZBECK	VULB 9163D	9163-971	2016.10.27	3 years
Pre-amplifier (Low Freq)	Claviio	BDLNA-0001-27 2007	1600015	2016.07.26	3 years





#### 2 RADIATED EMISSION TEST

#### 2.1 Limits for radiated disturbance

Frequency MHz	Distance	Limits dB(μV)/m Class B
30 ~ 140	3m	40(Quasi Peak)
140~470	3m	36(Quasi Peak)
470-1000	3m	47(Quasi Peak)
30 ~ 140	10m	30(Quasi Peak)
140~470	10m	26(Quasi Peak)
470-1000	10m	37(Quasi Peak)

#### 2.2 Operating Condition of EUT

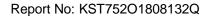
	Test date	Ambient temperature	Relative humidity	Atmospheric pressure
Ī	Sep 18, 2018	25°C	57%	101.3kPa

#### 2.3 Test Procedure

EUT is placed on the turntable floor. The turntable does not rotate, the EUT faces the antenna, and the EUT is 3 and 10 meters away from the receiving antenna mounted on the tower. The antenna is measured upward and downward to find the maximum emission level. It moves from 1 meters to 4 meters for horizontal and vertical polarization.

EUT was tested in the chamber. It is pre-scanned by a peak detector from the spectrum, and all final readings from the test receiver are measured by a quasi-peak detector.

The bandwidth of the test receiver is set to 120 kHz.

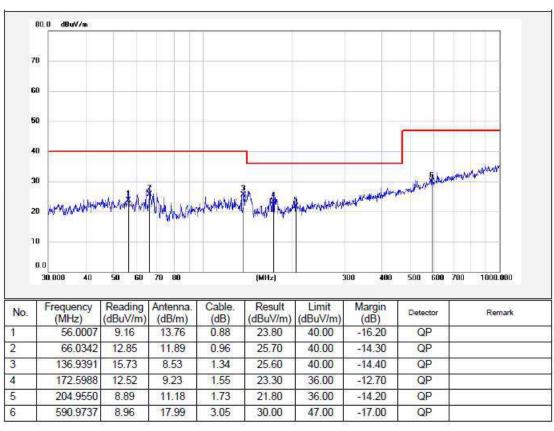




#### 2.4 Test Data

#### 30-1000MHz

EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P15
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance

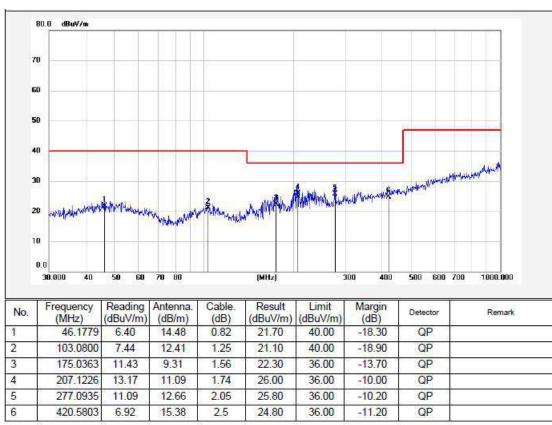


Remarks: 1. Result=Reading+Antenna+Cable

<sup>2.</sup> If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

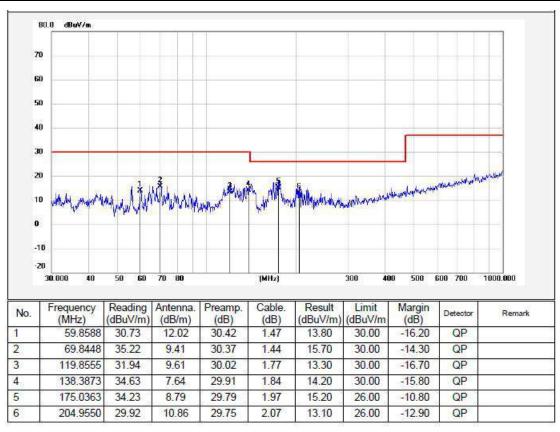


EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P15
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance



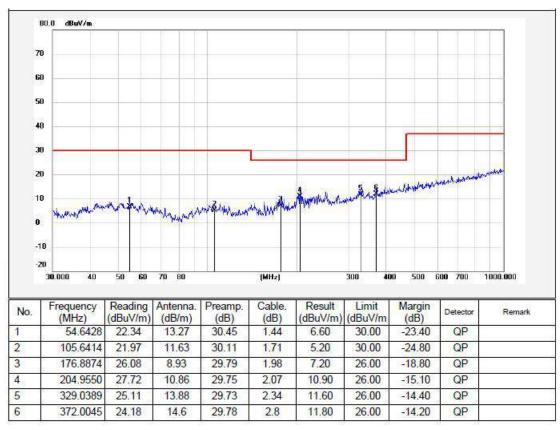


	Media Facade LED		
EUT:	Display/Stripe Curtain LED	Model Name:	P15
	Display		
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance



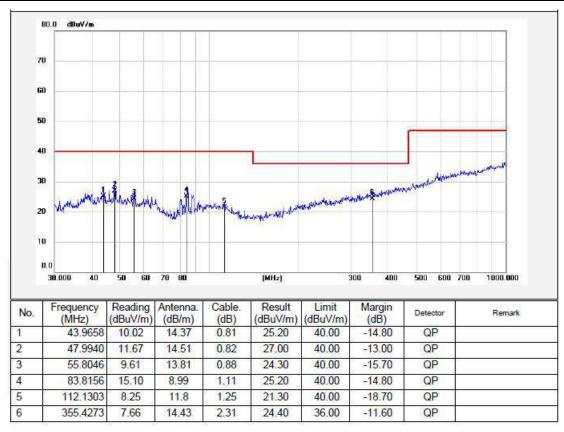


EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P15
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance



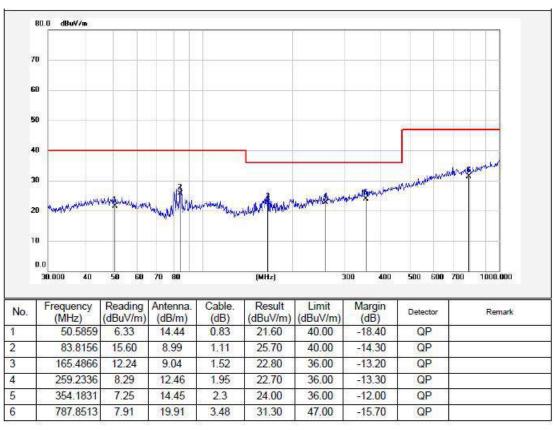


	Media Facade LED		
EUT:	Display/Stripe Curtain LED	Model Name:	P25
	Display		
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance





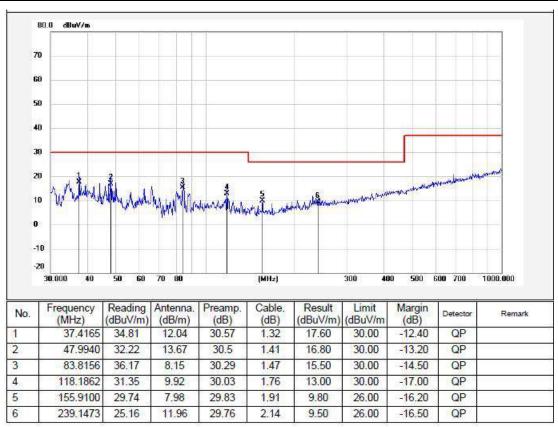
EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P25
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance



Remarks:1. Result=Reading+Antenna+Cable
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

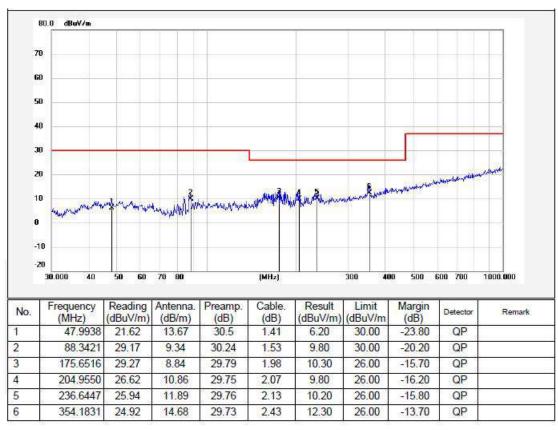


	Media Facade LED		
EUT:	Display/Stripe Curtain LED	Model Name:	P25
	Display		
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance



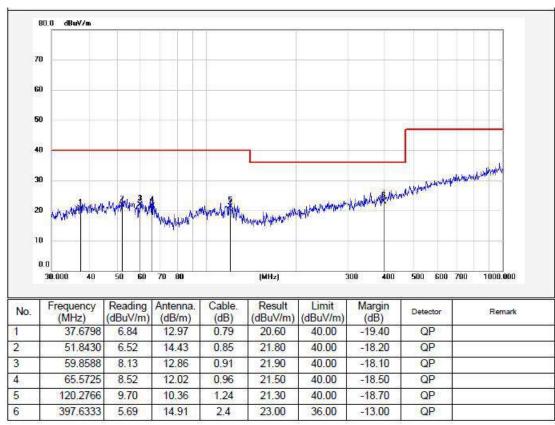


EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P25
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance



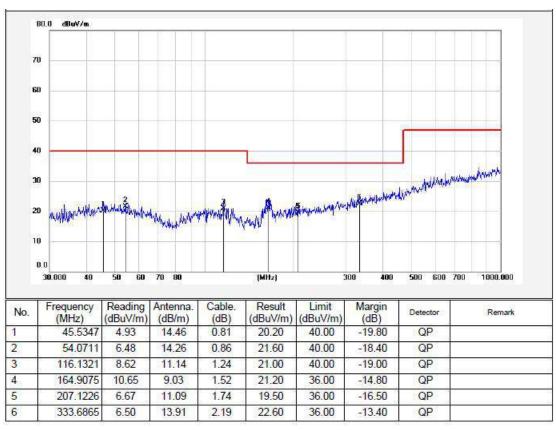


EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P31
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance



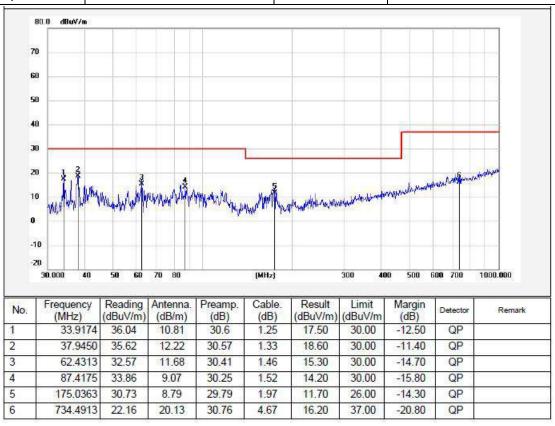


EUT:	Media Facade LED Display/Stripe Curtain LED	Model Name:	P31
Test Mode:	Display  All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	3m Distance



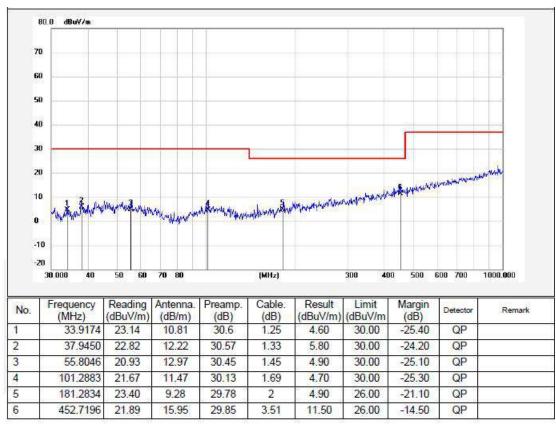


EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P31
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Vertical	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance





EUT:	Media Facade LED Display/Stripe Curtain LED Display	Model Name:	P31
Test Mode:	All White	Test Date:	2018.9.18
Polarization:	Horizontal	Test Voltage:	AC 230V /50Hz
Operator:	Star	Note:	10m Distance





## 3 Test setup photo

### Radiated Disturbance Test

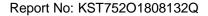


3m Distance



10m Distance

------ End of Report





## **Statement**

- The calibration and measurement of test equipments used in our laboratory are traceable to National primary standard of measurement and BIPM.
- 2. The report is invalid without the special test seal of the company.
- 3. The test report is invalid without the signature of main tester, examiner and approver.
- 4. The report is invalid if altered and added or deleted.
- 5. The test results in this report only apply to the tested samples.
- 6. This test report shall not be reproduced except in full, without the written approval of our laboratory.
- 7. "x"item cannot be Accredited by CNAS.
- 8. Any objections must be raised to KeySense within 15days since the date when report is received.

Test Laboratory: KeySense Testing & Certification International Co., Ltd.

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