## FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

#### CHOICE FORTUNE HOLDINGS LIMITED

### LED TV

Model Number: SC-70UK853N

FCC ID: 2AMYC-SC-70UK850N

Prepared for:	CHOICE FORTUNE HOLDINGS LIMITED
	Room 1315, 13/F, Tin King Estate, Tin Lok House,
	Tuen Mun, N.T., HongKong
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
	Tel: 86-769-83081888-808

Report Number:	ESTE-R1810027-1
Date of Test:	Nov. 19 ~ 24, 2018
Date of Report:	Nov. 26, 2018



EST Technology Co. , Ltd

Report No. ESTE-R1810027-1

## TABLE OF CONTENTS

Descr	iption	1	Page
TEST R	EPORT	VERIFICATION	3
1.	GEN	IERAL INFORMATION	4
	1.1.	Description of Device (EUT)	4
2.	Sum	IMARY OF TEST	5
	2.1.	Summary of test result	5
	2.2.	Test Facilities	6
	2.3.	Measurement uncertainty	7
	2.4.	Assistant equipment used for test	7
	2.5.	Block Diagram	7
	2.6.	Test mode	8
	2.7.	Channel List	8
	2.8.	Test Equipment	9
3	Pow	VER LINE CONDUCTED EMISSION TEST	11
	3.1.	Limit	11
	3.2.	Test Procedure	11
	3.3.	Test Result	11
	3.4.	Test data	12
4	RAD	NATED EMISSION TEST	14
	4.1	Limit	14
	4.2.	Block Diagram of Test setup	15
	4.3.	Test Procedure	16
	4.4.	Test Result	
	4.5.	Test Data	17
5	TEST	T SETUP PHOTO	20
6	PHO	TOS OF EUT	22



EST Technology Co., Ltd.

Applicant: CHOICE FORTUNE HOLDINGS LIMITED Address: Room 1315, 13/F,T in King Estate, Tin Lok House, Tuen Mun, N.T., HongKong CHOICE FORTUNE HOLDINGS LIMITED Manufacturer Address: Room 1315, 13/F, Tin King Estate, Tin Lok House, Tuen Mun, N.T., HongKong E.U.T: LED TV **Model Number:** SC-70UK853N **Power Supply:** AC 120V ~ 50/60Hz **Test Voltage:** AC 120V/60Hz SEIKI; SEIKI pro; Trade Name: Serial No.: **SEIKI HOME** Nov. 15, 2018 **Date of Receipt:** Date of Test: Nov.  $19 \sim 24,2018$ FCC Rules and Regulations Part 15 Subpart C:2018 **Test Specification:** ANSI C63.10:2013 **Test Result:** The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: Nov. 26, 2018 Prepared by: Reviewed by: Approved by

Ring / Assistant

Tony / Engineer

#### Other Aspects:

Because the electrically and mechanically it self has not changed, Only the screen and model number has been changed, So only need re-tested Conducted Emissions and Radiated(30-1000MHz), other test item needn't re-tested, Test data refer to test report "ESTE-R1810027".

Abbreviations: OK/P=passed

fail/F=failed

n.a/N=not applicable

E.U.T=equipment under tested

Iceman Hu/ Manager

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

## 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

Product Name	:	LED TV						
Model Number	:	SC-70UK853N						
FCC ID	:	2AMYC-SC-70UK850N						
Modulation	:	IEEE 802.11b mode: DS						
			DM (BPSK/QPSK/16QA					
			de: OFDM (BPSK/QPSK					
		IEEE 802.11n HT40 mod	de: OFDM (BPSK/QPSK	/16QAM/64QAM)				
O 4: E		IEEE 002 111 / 2412	24/23 MH					
Operation Frequency	:	IEEE 802.11b/g: 2412 ~						
		IEEE 802.11n HT20 : 24						
		IEEE 802.11n HT40: 242	22 ~ 2432 MIHZ					
		IEEE 802.11b 2412 ~ 24	.62 MHz: 11 Channels					
NT 1 C 1 1								
Number of channel	:	IEEE 802.11g 2412 ~ 2462 MHz: 11 Channels IEEE 802.11n HT20 2412 ~ 2462 MHz: 11 Channels						
		IEEE 802.11n HT40 242	$2 \sim 2452$ MHz: 7 Channe	els				
Antonno	_	Internal antenna						
Antenna	•		Antenna 0	Antenna 1				
		Frequency Range 2400~2483.5 MHz	2.94 dBi	2.94 dBi				
		Directional gain 5.95dBi						
		Note: 11b,g,n uses Antenna 0 / Antenna 1 11n uses MIMO						
		TITI USCS IVITIVIO						
Sample Type	:	Prototype production						



## 2. SUMMARY OF TEST

## 2.1. Summary of test result

Description of Test Item	Standard	Results
	FCC Part 15: 15.207	DACC
Power Line Conducted Emission	ANSI C63.10:2013	PASS
	FCC Part 15: 15.209	
Radiated Emission	ANSI C63.10:2013	PASS
	KDB 558074	
	FCC Part 15: 15.247	
Band Edge Compliance	ANSI C63.10:2013	N/A
	KDB 558074	
	FCC Part 15: 15.247	
Conducted spurious emissions	ANSI C63.10:2013	N/A
	KDB 558074	
	FCC Part 15: 15.247	
6dB Bandwidth	ANSI C63.10:2013	N/A
	KDB 558074	
	FCC Part 15: 15.247	
Peak Output Power	ANSI C63.10:2013	N/A
	KDB 558074	
	FCC Part 15: 15.247	
Power Spectral Density	ANSI C63.10:2013	N/A
	KDB 558074	
Antenna requirement	FCC Part 15: 15.203	N/A

Note: KDB 558074 D01 15.247 Meas Guidance v05

Only the screen and model number has been updated. All RF signal test data please refer to "ESTE-R1810027".



EST Technology Co. , Ltd Report No. ESTE-R1810027-1

## 2.2. Test Facilities

EMC Lab		Certificated by CNAS, CHINA Registration No.: L5288 Date of registration: November 13, 2017  Certificated by A2LA, USA Registration No.: 4366.01 Date of registration: November 07, 2017  Certificated by FCC, USA Designation Number: CN1215 Registration No.: 722932 Date of registration: November 21, 2017  Certificated by Industry Canada Registration No.: 9405A Date of registration: December 03, 2015  Certificated by VCCI, Japan Registration No.: R-13663; C-14103 Date of registration: July 25, 2017 This Certificate is valid until: July 24, 2020  Certificated by TUV Rheinland, Germany Registration No.: UA 50195514 0001 Date of registration: February 07, 2015  Certificated by TUV/PS, Shenzhen Registration No.: SCN1017 Date of registration: January 27, 2011  Certificated by Intertek ETL SEMKO
		Date of registration: February 07, 2015  Certificated by TUV/PS, Shenzhen Registration No.: SCN1017  Date of registration: January 27, 2011
		Certificated by Nemko, Hong Kong Registration No.: 175193 Date of registration: May 4, 2011
Name of Firm	:	EST Technology Co., Ltd.
Site Location	:	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China



EST Technology Co. , Ltd Report No. ESTE-R1810027-1

## 2.3. Measurement uncertainty

Test Item	Uncertainty		
Uncertainty for Conduction emission test	±3.48dB		
Uncertainty for spurious emissions test	±4.60 dB(Polarize: H)		
(30MHz-1GHz)	±4.68 dB(Polarize: V)		
Uncertainty for spurious emissions test (1GHz to 18GHz)	±4.96dB		
Uncertainty for radio frequency	7×10 <sup>-8</sup>		
Uncertainty for conducted RF Power	0.20dB		
Uncertainty for Power density test	0.26dB		

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 2.4. Assistant equipment used for test

#### 2.4.1. N/A

## 2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 or 1.5 meter high above ground. EUT was be set into Wi-Fi test mode by software before test.



(EUT: LED TV)



EST Technology Co. , Ltd Report No. ESTE-R1810027-1

## 2.6. Test mode

A special test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Test mode	Lower	Center	Upper
	channel	channel	channel
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20	2412MHz	2437MHz	2462MHz
Transmitting			
IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20	2412MHz	2437MHz	2462MHz
Receiving			
IEEE 802.11n HT40 Transmitting	2422MHz	2437MHz	2452MHz
IEEE 802.11n HT40 Receiving	2422MHz	2437MHz	2452MHz

### 2.7. Channel List

IEEE 802.11b;IEEE 802.11g;IEEE 802.11n HT20								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)			
1	2412	6	2437	11	2462			
2	2417	7	2442					
3	2422	8	2447					
4	2427	9	2452					
5	2432	10	2457					
	IEEE 802.11n HT40							
Channel	Frequency	Channel	Frequency	Channel	Frequency			
Chamiei	(MHz)	Channel	(MHz)	Channel	(MHz)			
3	2422	6	2437	9	2452			
4	2427	7	2442					
5	2432	8	2447					



## 2.8. Test Equipment

## 2.8.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test Receiver	Rohde	ESHS30	832354	CEPREI	June 15,18	1 Year
	& Schwarz					
Artificial Mains Network	Rohde	ENV216	101260	CEPREI	June 15,18	1 Year
	& Schwarz					
Pulse Limiter	Rohde	ESH3-Z2	101100	CEPREI	June 15,18	1 Year
	& Schwarz					
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

## 2.8.2. For radiated emission test(9 kHz-30MHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test	Rohde	ESR7	101780	CEPREI	June 15,18	1 Year
Receiver	& Schwarz					
Active Loop Antenna	SCHWAREB	FMZB 1519B	1519B-088	N/A	Aug. 01,18	1 Year
	ECK					
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

### 2.8.3. For radiated emissions test (30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
EMI Test	Rohde	ESR7	101780	CEPREI	June 15,18	1 Year
Receiver	& Schwarz					
Bilog Antenna	Teseq	CBL 6111D	27090	CEPREI	June 15,18	1 Year
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

### 2.8.4. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Calibration	Last Cal.	Next Cal.
				Body		
Horn Antenna	SCHWARZB	BBHA 9120 D	BBHA912	CEPREI	June 18,18	1 Year
	ECK		0D1002			
Horn Antenna	SCHWARZB	BBHA9170	BBHA917	CEPREI	June 18,18	1Year
	ECK		0242			
Signal Amplifier	SCHWARZB	BBV9718	9718-212	CEPREI	June 18,18	1 Year
	ECK					
Spectrum Analyzer	Rohde	FSV	103173	CEPREI	June 15,18	1 Year
	&Schwarz					
PSA Series Spertrum	Agilent	E4447A	MY50180	CEPREI	June 15,18	1Year
Analyzer			031			
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A



EST Technology Co. , Ltd Report No.ESTE-R1810027-1

Page 9 of 31

## 2.8.5. For connect EUT antenna terminal test

Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Spectrum Analyzer	Rohde &Schwarz	FSV	103173	CEPREI	June 15,18	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211 139	CEPREI	June 15,18	1 Year



#### 3 POWER LINE CONDUCTED EMISSION TEST

#### 3.1. Limit

	Maximum RF Line Voltage				
Frequency	Quasi-Peak Level	Average Level			
	dB(µV)	dB(µV)			
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*			
$500kHz \sim 5MHz$	56	46			
$5MHz \sim 30MHz$	60	50			

Notes: 1. \* Decreasing linearly with logarithm of frequency.

#### 3.2. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line 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 C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

#### 3.3. Test Result

PASS.



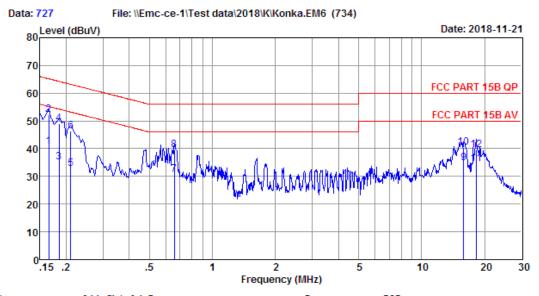
EST Technology Co. , Ltd Report No. ESTE-R1810027-1 Page 11 of 31

<sup>2.</sup> The lower limit shall apply at the transition frequencies.

#### 3.4. Test data

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 844 Shield Room Data no. : 727

Env. / Ins. : Temp:23.2'C Humi:53% Press:101.50kPa LINE Phase : LINE

: FCC PART 15B QP Limit.

Engineer : Viking EUT : LED TV : AC 120V/60Hz Power : SC-70UK853N M/N Test Mode : TX Mode

	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.165	9.59	9.69	21.51	40.79	55.21	14.42	Average
2	0.165	9.59	9.69	33.09	52.37	65.21	12.84	QP
3	0.185	9.60	9.77	15.73	35.10	54.24	19.14	Average
4	0.185	9.60	9.77	29.62	48.99	64.24	15.25	QP
5	0.211	9.61	9.84	13.30	32.75	53.18	20.43	Average
6	0.211	9.61	9.84	27.03	46.48	63.18	16.70	QP
7	0.658	9.63	9.92	11.21	30.76	46.00	15.24	Average
8	0.658	9.63	9.92	20.11	39.66	56.00	16.34	QP
9	15.885	9.88	10.13	14.68	34.69	50.00	15.31	Average
10	15.885	9.88	10.13	20.56	40.57	60.00	19.43	QP
11	18.232	9.71	10.15	14.71	34.57	50.00	15.43	Average
12	18.232	9.71	10.15	19.60	39.46	60.00	20.54	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

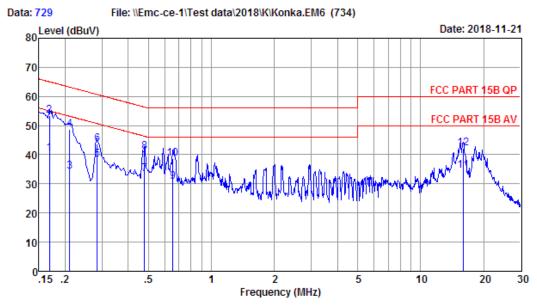
- 2. Margin= Limit Emission Level.
- 3. If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



EST Technology Co. , Ltd Report No. ESTE-R1810027-1

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



Site no : 844 Shield Room Data no. : 729 Env. / Ins. : Temp:23.2'C Humi:53% Press:101.50kPa LINE Phase : NEUTRAL

Limit : FCC PART 15B QP Engineer : Viking

Engineer : Viking
EUT : LED TV
Power : AC 120V/60Hz
M/N : SC-70UK853N
Test Mode : TX Mode

	Freq.	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv)	Limits (dBuv)	Margin (dB)	Remark
1	0.169	9.50	9.69	21.14	40.33	55.03	14.70	Average
2	0.169	9.50	9.69	34.25	53.44	65.03	11.59	QP
3	0.211	9.53	9.84	14.84	34.21	53.18	18.97	Average
4	0.211	9.53	9.84	29.48	48.85	63.18	14.33	QP
5	0.285	9.54	9.92	18.86	38.32	50.68	12.36	Average
6	0.285	9.54	9.92	24.37	43.83	60.68	16.85	QP
7	0.479	9.55	9.92	13.91	33.38	46.36	12.98	Average
8	0.479	9.55	9.92	21.47	40.94	56.36	15.42	QP
9	0.654	9.56	9.92	11.23	30.71	46.00	15.29	Average
10	0.654	9.56	9.92	19.28	38.76	56.00	17.24	QP
11	15.970	9.86	10.13	14.54	34.53	50.00	15.47	Average
12	15.970	9.86	10.13	22.34	42.33	60.00	17.67	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

2. Margin= Limit - Emission Level.

 If the average limit is met when useing a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



### 4 RADIATED EMISSION TEST

#### 4.1 Limit

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)

15.209 Limit

Frequency (MHz)	Field Strength(μV/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark : (1) Emission level  $dB\mu V = 20 \log Emission level \mu V/m$ 

- (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.

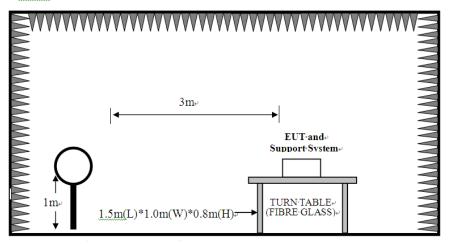


EST Technology Co. , Ltd Report No. ESTE-R1810027-1

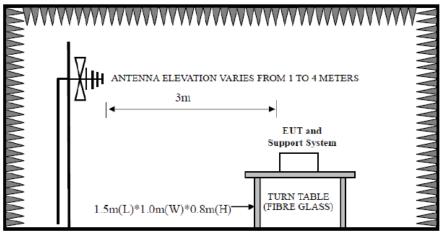
Page 14 of 31

## 4.2. Block Diagram of Test setup

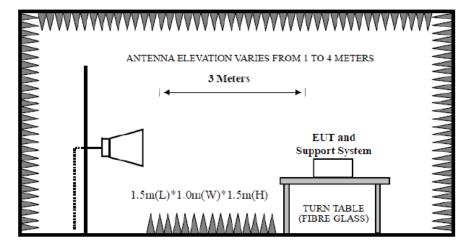
9kHz~30MHz



30~1000MHz



Above 1GHz





EST Technology Co. , Ltd Report No. ESTE-R1810027-1 Page 15 of 31

#### 4.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground for 9kHz~1000MHz test, and which is 1.5 meter high above ground for above 1GHz test. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

The test frequency analyzer system was set to Peak Detect (300Hz RBW in 9kHz to 150kHz and 10kHz RBW in 150kHz to 30MHz) Function and Specified Bandwidth with Maximum Hold Mode.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

PEAK detector, 1MHz/1MHz for PAEK measurement,

PEAK detector, 1MHz/10Hz for Average measurement

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

#### 4.4. Test Result

#### PASS.

- Note: 1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
  - 2. The frequency 2412MHz. 2422MHz. 2437 MHz. 2452MHz and 2462 MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.



EST Technology Co. , Ltd Report No. ESTE-R1810027-1

Page 16 of 31

### 4.5. Test Data

9 kHz – 30 MHz

Pass

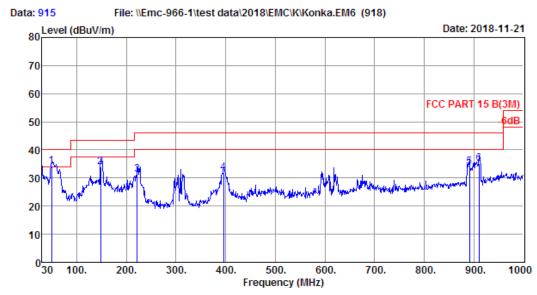
Note: The amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.



#### 30-1000 MHz

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



: 1# 966 Chamber Site no. Data no. : 915 : 3m 37062 Ant. pol. : VERTICAL Dis. / Ant.

: FCC PART 15 B (3M) Limit

Env. / Ins. : Temp:23.3'; Humi:50%; Press:101.52kPa

: Viking Engineer EUT : LED TV : AC 120V/60Hz Power M/N : SC-70UK853N

Test Mode : TX Mode

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	49.40	8.65	0.45	25.02	34.12	40.00	5.88	QP
2	148.34	11.68	1.29	20.83	33.80	43.50	9.70	QP
3	222.06	9.92	1.68	19.78	31.38	46.00	14.62	QP
4	395.69	15.92	2.34	13.75	32.01	46.00	13.99	QP
5	891.36	23.72	4.09	6.21	34.02	46.00	11.98	QP
6	910.76	24.11	4.11	6.79	35.01	46.00	10.99	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.

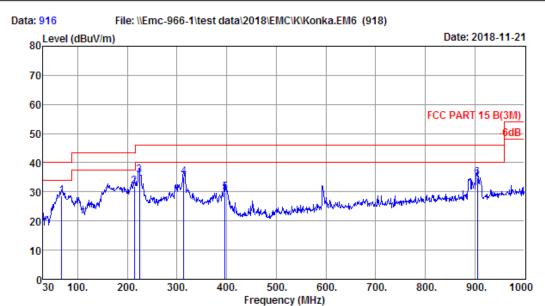


EST Technology Co. , Ltd

Report No. ESTE-R1810027-1

## EST Technology

Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China Tel:+86-769-83081888 Fax:+86-769-83081878



Site no. : 1# 966 Chamber Data no. : 916
Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL

Limit : FCC PART 15 B(3M)

Env. / Ins. : Temp:23.3'; Humi:50%; Press:101.52kPa

Engineer : Viking
EUT : LED TV
Power : AC 120V/60Hz
M/N : SC-70UK853N
Test Mode : TX Mode

	Freq.	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	67.83	5.82	0.68	22.26	28.76	40.00	11.24	QP
2	214.30	9.06	1.56	21.21	31.83	43.50	11.67	QP
3	224.00	10.04	1.70	24.07	35.81	46.00	10.19	QP
4	313.24	13.99	2.12	19.14	35.25	46.00	10.75	QP
5	396.66	15.94	2.34	11.66	29.94	46.00	16.06	QP
6	904.94	24.00	4.05	6.82	34.87	46.00	11.13	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

- 2. Margin= Limit Emission Level.
- 3. The emission levels that are 20dB below the official limit are not reported.



## 5 TEST SETUP PHOTO

## Conducted Test





Radiated Test (30-1000 MHz)



## 6 PHOTOS OF EUT

**External Photos** M/N: SC-70UK853N







**External Photos** M/N: SC-70UK853N







EST Technology Co. , Ltd Report No. ESTE-R1810027-1 Page 23 of 31

**External Photos** M/N: SC-70UK853N





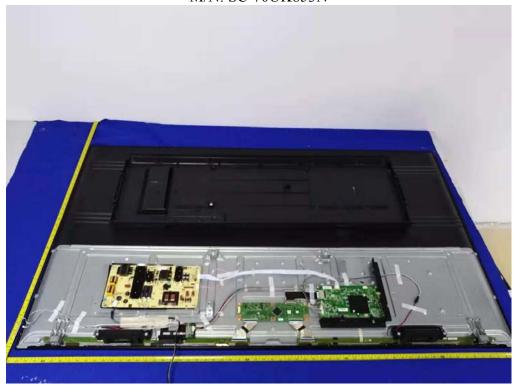
**External Photos** M/N: SC-70UK853N







Internal Photos M/N: SC-70UK853N







# **Internal Photos** M/N: SC-70UK853N

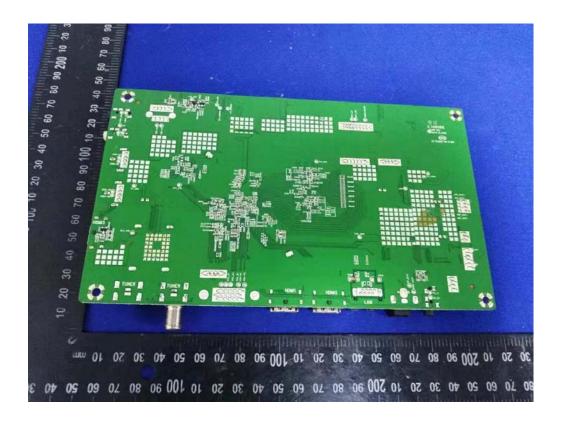






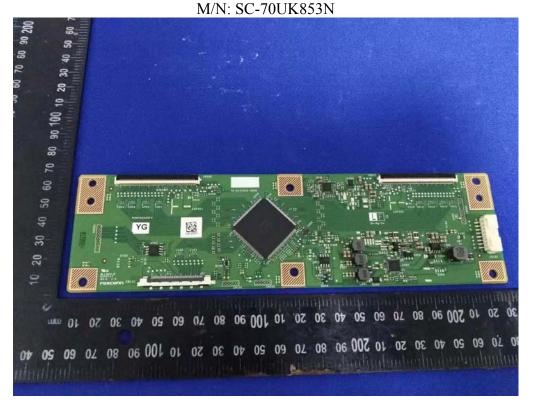
#### Internal Photos M/N: SC-70UK853N

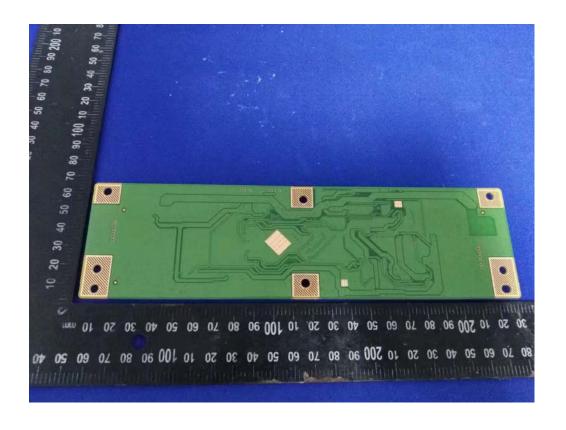






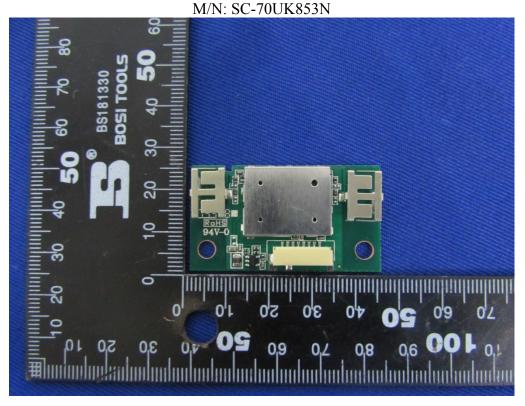
## **Internal Photos**

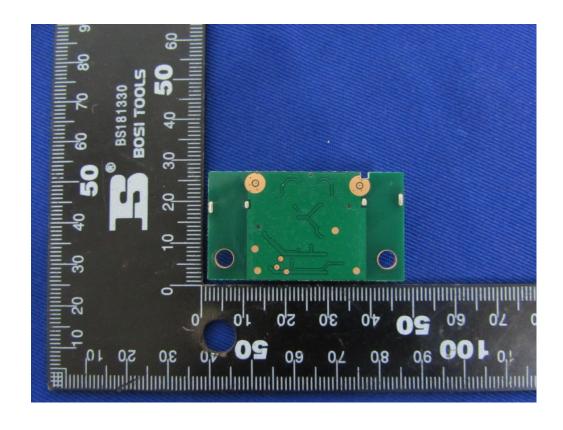






## **Internal Photos**







### **Internal Photos**

M/N: SC-70UK853N

Wi-Fi Antenna 1



Wi-Fi Antenna 0