



# TEST REPORT



## (Supplier's Declaration of conformity) Under FCC Part15, Subpart B

Report Reference No.....: 4788861795-3

Test Engineer (name + signature) ....: Jack Xie

Reviewed by (name + signature).....: Shawn Wen

Approved by (name + signature).....: Stephen Guo

Date of issue.....: April 23, 2019

Testing Laboratory.....: Dong Guan Anci Electronic Technology Co., Ltd

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Hi-tech Industrial Development Zone, Dongguan City, Guangdong  
Pr., China.

Applicant's name.....: Shenzhen Keysun Technology Ltd

Address.....: Floor 2, 21, Plant 122, Ditang Road, Shasan Community, Shajing  
Street, Baoan District, Shenzhen, Guangdong, China

Manufacturer.....: Shenzhen Keysun Technology Ltd

Address.....: Floor 2, 21, Plant 122, Ditang Road, Shasan Community, Shajing  
Street, Baoan District, Shenzhen, Guangdong, China

Test specification:

EUT description.....: AC/DC ADAPTER

Trade Mark.....: 

Model/Type reference.....: ZH100DU-xxxxyyyWU, KS100DU-xxxxyyyWU, ZH100DU-xxxxyyy,  
KS100DU-xxxxyyy (xxx and yyy are variables , refer to model list  
for details.)

Ratings.....: Input: 100-240VAC, 50/60Hz, 2.0A  
Output: 5.0-36.0Vdc, 0.01-8.3A



## Table of Contents

	Page
1 GENERAL INFORMATION	3
1.1 CERTIFICATE	3
1.2 GENERAL PRODUCT INFORMATION	4
2. SUMMARY OF TEST RESULTS	6
2.1 MEASUREMENT UNCERTAINTY	6
2.2 DESCRIPTION OF TEST MODES	7
2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	8
3. CONDUCTED EMISSION TEST	8
3.1 CONDUCTED EMISSION MEASUREMENT	9
3.1.1 LIMITS OF CONDUCTED EMISSION (MAINS PORT)	9
3.1.2 MEASUREMENT INSTRUMENTS LIST	9
3.1.4 DEVIATION FROM TEST STANDARD	10
3.1.5 TEST SETUP	10
3.1.6 EUT OPERATING CONDITIONS	10
3.1.7 TEST RESULTS	11
3.2 RADIATED EMISSION MEASUREMENT	16
3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	16
3.2.2 MEASUREMENT INSTRUMENTS LIST	17
3.2.3 TEST PROCEDURE	17
3.2.4 DEVIATION FROM TEST STANDARD	17
3.2.5 TEST SETUP	18
3.2.6 EUT OPERATING CONDITIONS	18
3.2.7 TEST RESULTS	19
4. ATTACHMENT	24
4.1. EUT TEST PHOTO	24
4.2. EUT PRODUCT PHOTO	25



**1 GENERAL INFORMATION**

**1.1 CERTIFICATE**

Testing Laboratory .....: Dong Guan Anci Electronic Technology Co., Ltd.  
Address.....: 1-2 Floor, Building A, No.11, Headquarters 2 Road, Songshan Lake Hi-tech Industrial Development Zone, Dongguan City, Guangdong Pr., China.


Applicant's name .....: Shenzhen Keysun Technology Ltd  
Address.....: Floor 2, 21, Plant 122, Ditang Road, Shasan Community, Shajing Street, Baoan District, Shenzhen, Guangdong, China

Manufacturer.....: Shenzhen Keysun Technology Ltd  
Address.....: Floor 2, 21, Plant 122, Ditang Road, Shasan Community, Shajing Street, Baoan District, Shenzhen, Guangdong, China

Factory.....: SHENZHENSHI ZHENHUAN ELECTRONIC CO LTD  
Address.....: 6FL First building Fuhong Industrial Area Tangwei Commuity Fuhai Street Baoan District Shenzhen, Guangdong 518103 CHINA

**Test specification:**

EUT description .....: AC/DC ADAPTER

Trade Mark.....: 

Model/Type reference .....: ZH100DU-xxxxyyyWU, KS100DU-xxxxyyyWU, ZH100DU-xxxxyyy, KS100DU-xxxxyyy (xxx and yyy are variables, refer to model list for details.)

Test Sample .....: KS100DU-1200830, KS100DU-3600277

Ratings.....: Input: 100-240VAC, 50/60Hz, 2.0A  
Output: 5.0-36.0Vdc, 0.01-8.3A

Standards .....: FCC Part15, Subpart B  
ANSI C63.4-2014

The device described above was tested by Dong Guan Anci Electronic Technology Co., Ltd. to determine the maximum emission levels emanated from the device and severity levels of the device endure and its performance criterion. The measurement results are contained in this test report and Dong Guan Anci Electronic Technology Co., Ltd. assumes full responsibility for the accuracy and completeness of these measurements. This report shows the EUT is technically compliance with the above official standards.

This report applies to the above sample only and shall not be reproduced in part without written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.



## 1.2 GENERAL PRODUCT INFORMATION

The equipment model in this report is AC/DC ADAPTER for the use in information technology equipment.

### Model Differences

1. All models in ZH100DU-xxxxxxxWU series are identical to each other except for the model name, output rating, plug type, secondary winding of transformer and some secondary components' rating.
2. The models ZH100DU-xxxxxxxWU are identical to the models KS100DU-xxxxxxxWU except for the model name.
3. All models in ZH100DU-xxxxxxx series are identical to each other except for the model name, output rating, secondary winding of transformer and some secondary components' rating.
4. The models ZH100DU-xxxxxxx are identical to the models KS100DU-xxxxxxx except for the model name.
5. The models ZH100DU-xxxxxxxWU, KS100DU-xxxxxxxWU are identical to ZH100DU-xxxxxxx, KS100DU-xxxxxxx except for the model name and supply connecting; The models ZH100DU-xxxxxxx, KS100DU-xxxxxxx are fitted with appliance inlet and the models ZH100DU-xxxxxxxWU, KS100DU-xxxxxxxWU are fitted with non-detachable power supply cord.
6. Model List:

Model No.	Rated output voltage (VDC)	Rated output current (A)	Max. rated output power (W)	Transformer (T1)
ZH100DU-xxxxxxxWU, KS100DU-xxxxxxxWU,	5.0-14.9	0.01-8.3	100	ZH100-T-1xx (x=0-9 or blank)
ZH100DU-xxxxxxx, KS100DU-xxxxxxx	15.0-36.0	0.01-6.6	100	ZH100-T-2xx (x=0-9 or blank)
Remark: xxx=050-360, which indicates for the rated output voltage from 5.0VDC to 36.0VDC, minimum step by 0.1V; yyy=0001-0830, which indicates for the rated output current from 0.01A to 8.3A, minimum step by 0.01A;				

All tests was performed on model KS100DU-1200830 and KS100DU-3600277.

The EUT passed the test.



### 1.3. NORMATIVE REFERENCES

[1] **ANSI C63.4:2014** American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

[2] **FCC 47 CFR Part 2** General Rules and Regulations

[3] **FCC 47 CFR Part 15** Radio Frequency Devices (Subpart B)



## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15, Subpart B ANSI C63.4-2014	Conducted Emission	Class B	PASS	
	Radiated Emission Below 1 GHz	Class B	PASS	
	Radiated Emission Above 1 GHz	Class B	N/A	NOTE (1) NOTE (2)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report
- (2) If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.
- (3) Test in the shielding room.

### 2.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

A. Conducted disturbance at mains terminals ports:

Test Site	Method	Measurement Frequency Range	U <sub>L</sub> (dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	3.19	

B. Radiated Emission Test :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U <sub>L</sub> (dB)	NOTE
S02	ANSI	30MHz ~ 200MHz	V	3.69	
S02	ANSI	30MHz ~ 200MHz	H	3.69	
S02	ANSI	200MHz ~ 1,000MHz	V	5.02	
S02	ANSI	200MHz ~ 1,000MHz	H	5.02	



## 2.2 DESCRIPTION OF TEST MODES

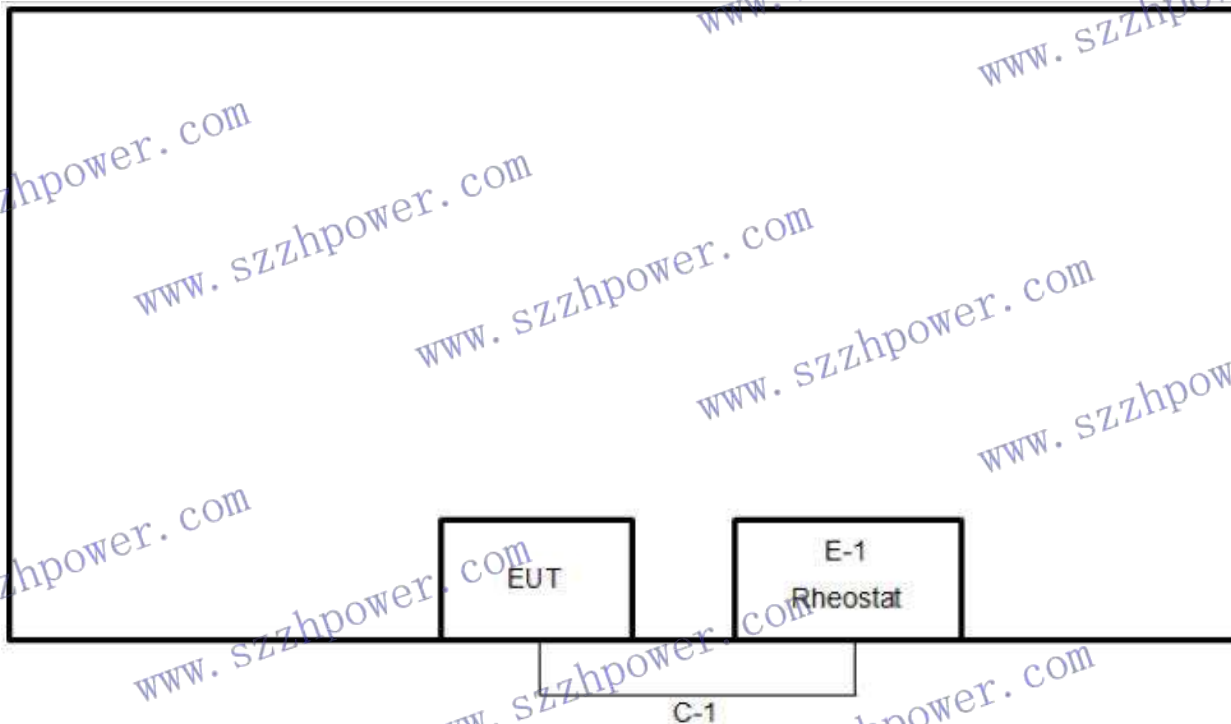
For Conducted Emission Test	
Test Mode	Description
Mode 1	Full Load

For Radiated Emission Test	
Test Mode	Description
Mode 1	Full Load



### 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
E-1	Rheostat	N/A	BX7-15	40Ω 4A	N/A
E-2	Rheostat	N/A	BX8-45	25Ω 15A	N/A

Item	Type of cable	Shielded Type	Ferrite Core	Length
C-1	DC Cable	N/A	NO	1.1m





### 3. CONDUCTED EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

##### 3.1.1 LIMITS OF CONDUCTED EMISSION (MAINS PORT) (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " \* " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)  
 Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

##### 3.1.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	ROHDEUSCHWARZ	ESPI	101144	2019-12-11
2	LISN	ROHDEUSCHWARZ	ENV216	101413	2019-12-11
3	Test Cable	N/A	N/A	5#	2019-05-23

Remark: "N/A" denotes No Model No. , Serial No. or No Calibration specified.

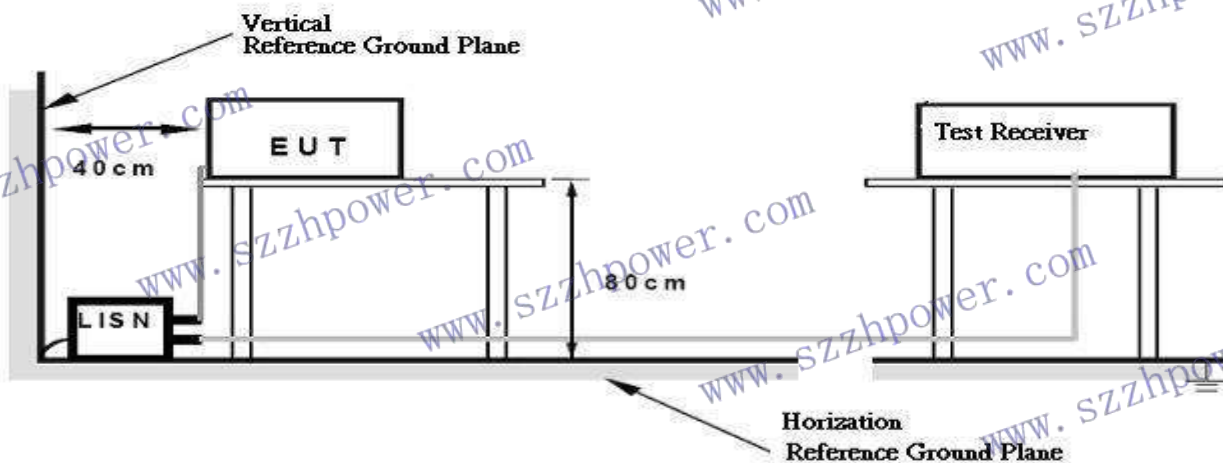
### 3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item: EUT Test Photos.

### 3.1.4 DEVIATION FROM TEST STANDARD

No deviation

### 3.1.5 TEST SETUP



### 3.1.6 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use.

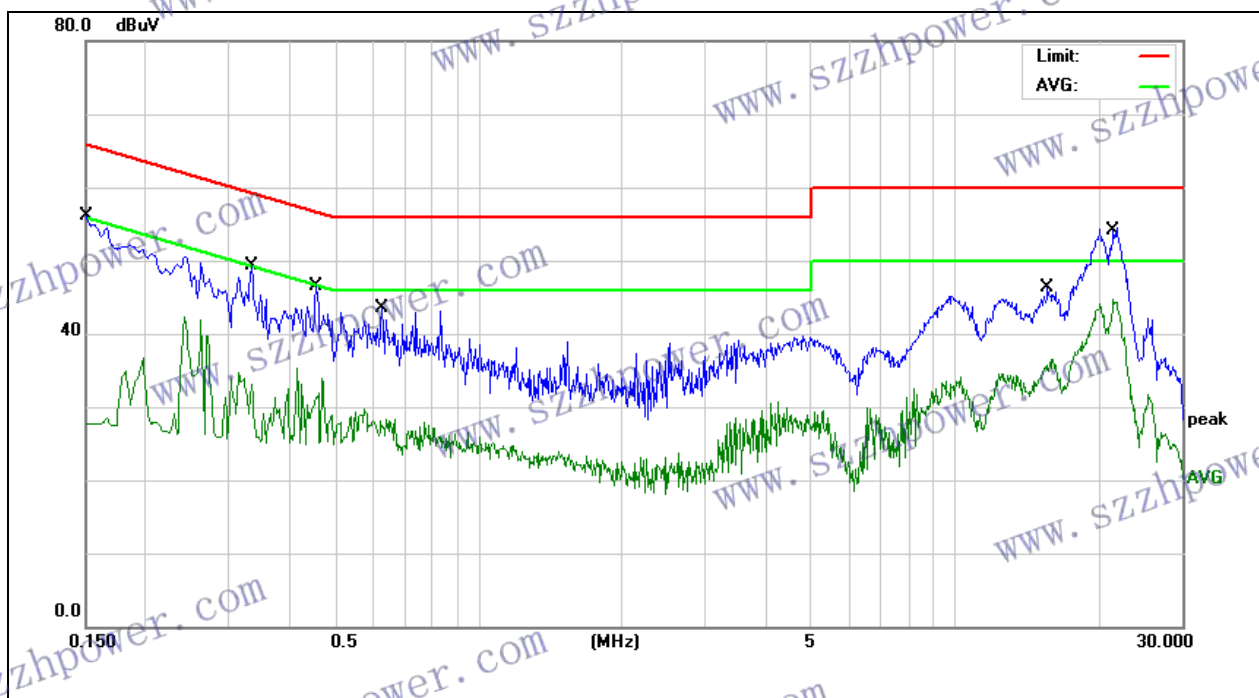


### 3.1.7 TEST RESULTS

<b>EUT:</b>	AC/DC ADAPTER	<b>Model No.:</b>	KS100DU-1200830 KS100DU-3600277
<b>Temperature:</b>	21°C	<b>Relative Humidity:</b>	55 %
<b>Pressure:</b>	1008 hPa	<b>Test Power :</b>	AC 120V/60Hz
<b>Test Mode :</b>	Full Load		

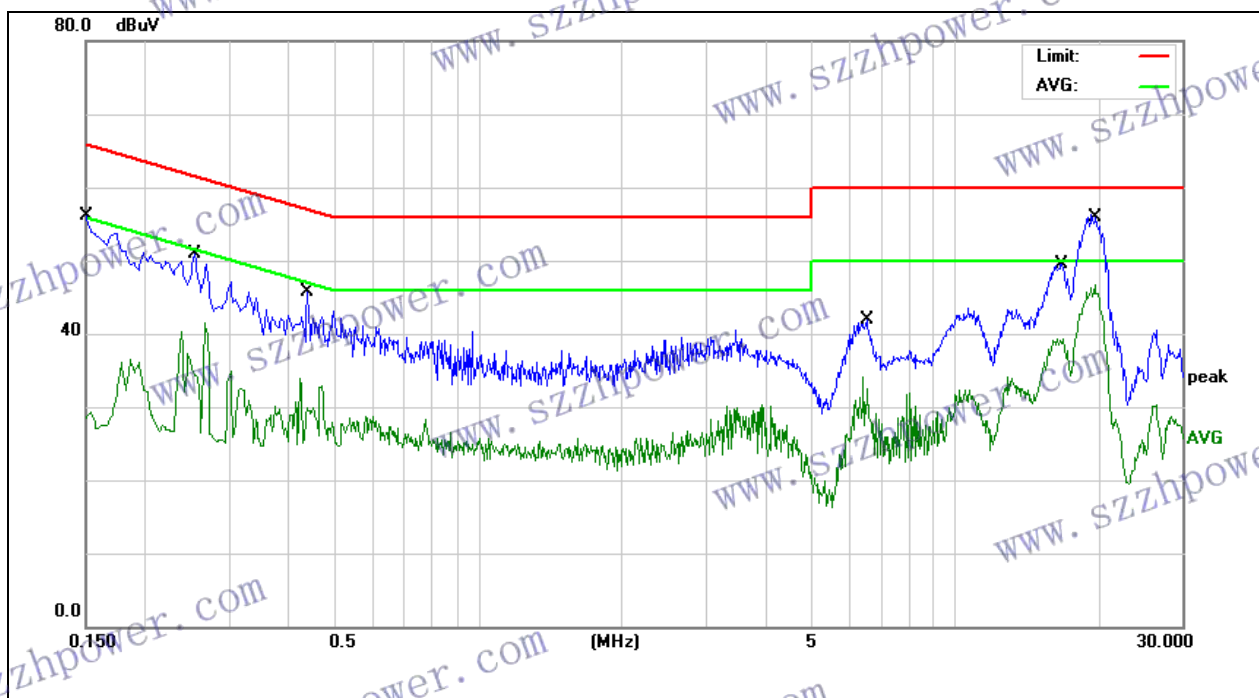
Remark:

- (1) Reading in which marked as QP means measurements by using Quasi-Peak Detector, and AV means measurements by using Average Detector.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of [Note] . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP U AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " \* " marked in AVG Mode column of Interference Voltage Measured.
- (3) Measuring frequency range from 150KHz to 30MHz.



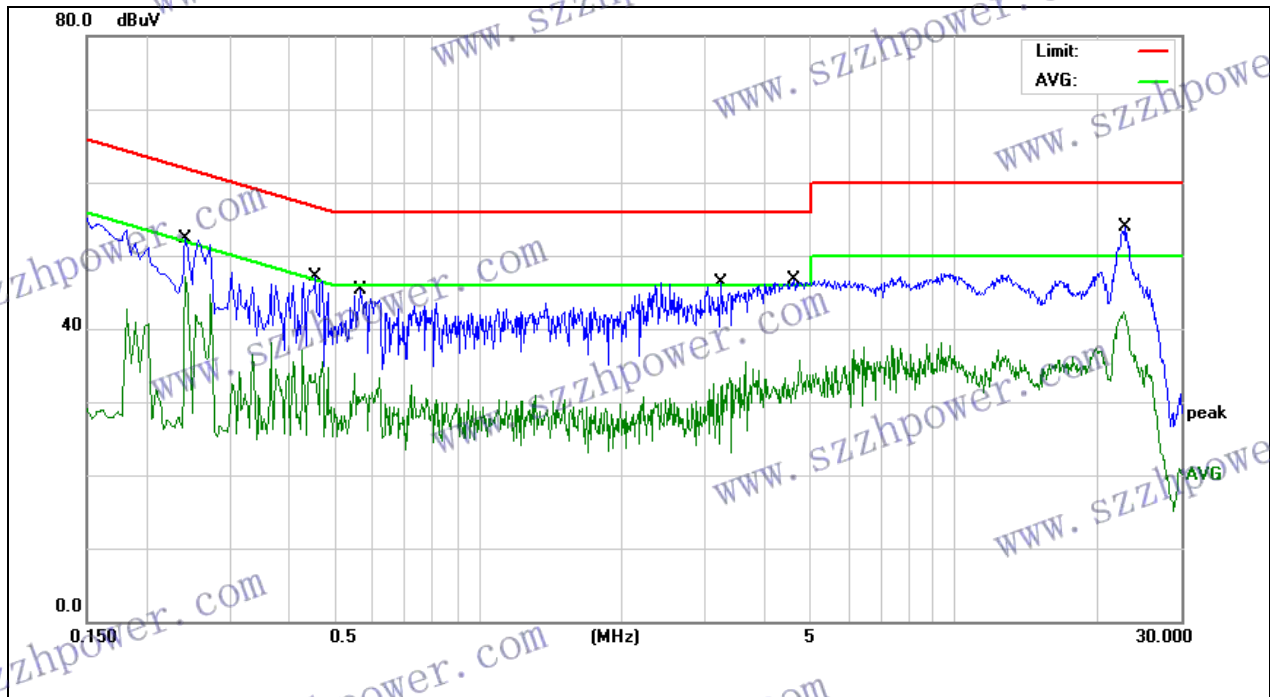
**Site:** 843 **Phase:** N **Temperature(C):** 21(C)  
**Limit:** FCC Part 15 Class B Conduction(QP) **Humidity(%):** 55%  
**EUT:** AC/DC ADAPTER **Test Time:** 2019-04-10  
**M/N.:** KS100DU-1200830 **Power Rating:** AC 120V/60Hz  
**Mode:** Full Load **Test Engineer:** Jack  
**Note:**

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1500	39.24	9.73	48.97	65.99	-17.02	QP	
2	0.1500	18.63	9.73	28.36	55.99	-27.63	AVG	
3	0.3339	31.24	9.77	41.01	59.35	-18.34	QP	
4	0.3339	20.28	9.77	30.05	49.35	-19.30	AVG	
5	0.4580	29.87	9.77	39.64	56.73	-17.09	QP	
6	0.4580	19.52	9.77	29.29	46.73	-17.44	AVG	
7	0.6300	26.31	9.80	36.11	56.00	-19.89	QP	
8	0.6300	16.46	9.80	26.26	46.00	-19.74	AVG	
9	15.6780	29.89	10.03	39.92	60.00	-20.08	QP	
10	15.6780	22.83	10.03	32.86	50.00	-17.14	AVG	
11	21.5020	40.11	10.02	50.13	60.00	-9.87	QP	
12	21.5020	34.73	10.02	44.75	50.00	-5.25	AVG	



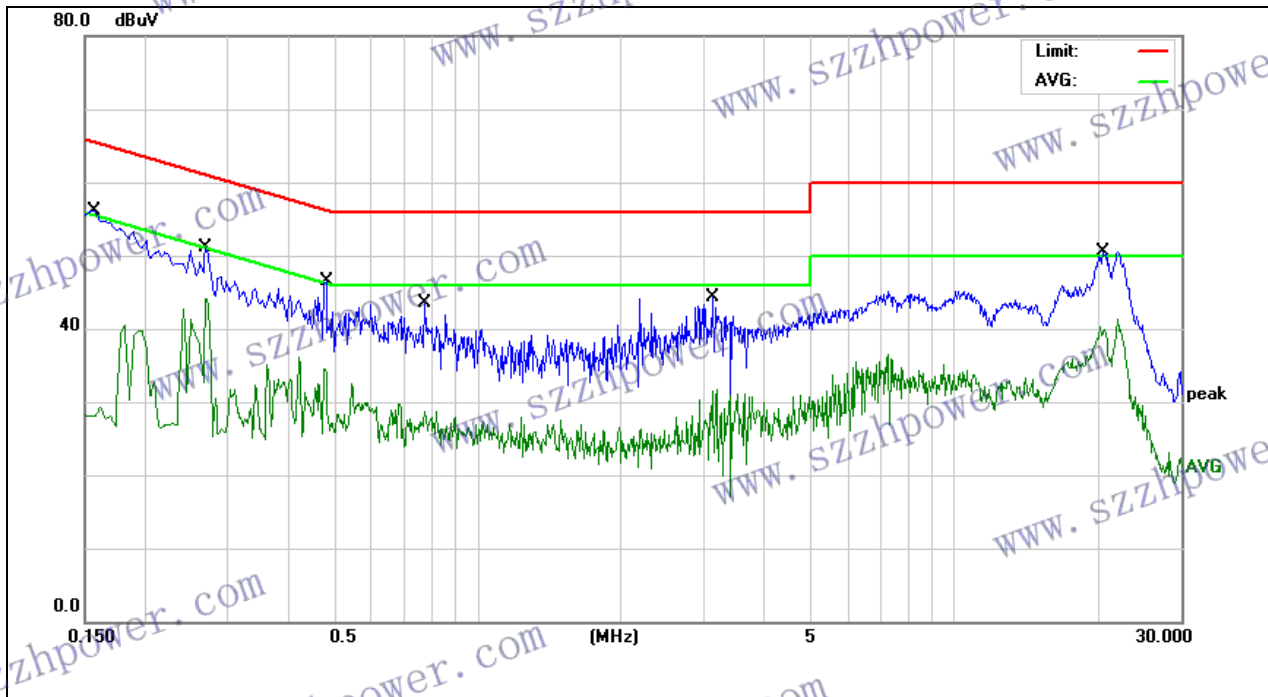
**Site:** 843      **Phase:**L1      **Temperature(C):**21(C)  
**Limit:** FCC Part 15 Class B Conduction(QP)      **Humidity(%):**55%  
**EUT:** AC/DC ADAPTER      **Test Time:** 2019-04-10  
**M/N.:** KS100DU-1200830      **Power Rating:** AC 120V/60Hz  
**Mode:** Full Load      **Test Engineer:** Jack  
**Note:**

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1500	38.94	9.73	48.67	65.99	-17.32	QP	
2	0.1500	18.56	9.73	28.29	55.99	-27.70	AVG	
3	0.2540	35.81	9.75	45.56	61.62	-16.06	QP	
4	0.2540	25.53	9.75	35.28	51.62	-16.34	AVG	
5	0.4380	29.33	9.77	39.10	57.10	-18.00	QP	
6	0.4380	18.97	9.77	28.74	47.10	-18.36	AVG	
7	6.5420	25.80	9.94	35.74	60.00	-24.26	QP	
8	6.5420	13.93	9.94	23.87	50.00	-26.13	AVG	
9	16.7939	29.57	10.05	39.62	60.00	-20.38	QP	
10	16.7939	22.77	10.05	32.82	50.00	-17.18	AVG	
11	19.6620	39.91	10.03	49.94	60.00	-10.06	QP	
12	19.6620	36.13	10.03	46.16	50.00	-3.84	AVG	



**Site:** 843 **Phase:** N **Temperature(C):** 21(C)  
**Limit:** FCC Part 15 Class B Conduction(QP) **Humidity(%):** 55%  
**EUT:** AC/DC ADAPTER **Test Time:** 2019-04-10  
**M/N.:** KS100DU-3600277 **Power Rating:** AC 120V/60Hz  
**Mode:** Full Load **Test Engineer:** Jack  
**Note:**

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.2420	39.71	9.74	49.45	62.02	-12.57	QP	
2 *	0.2420	37.28	9.74	47.02	52.02	-5.00	AVG	
3	0.4540	33.14	9.77	42.91	56.80	-13.89	QP	
4	0.4540	20.80	9.77	30.57	46.80	-16.23	AVG	
5	0.5660	31.04	9.79	40.83	56.00	-15.17	QP	
6	0.5660	19.55	9.79	29.34	46.00	-16.66	AVG	
7	3.2340	31.35	9.90	41.25	56.00	-14.75	QP	
8	3.2340	20.03	9.90	29.93	46.00	-16.07	AVG	
9	4.6180	33.77	9.90	43.67	56.00	-12.33	QP	
10	4.6180	20.90	9.90	30.80	46.00	-15.20	AVG	
11	22.7780	35.75	10.03	45.78	60.00	-14.22	QP	
12	22.7780	28.56	10.03	38.59	50.00	-11.41	AVG	



**Site:** 843      **Phase:**L1      **Temperature(C):**21(C)  
**Limit:** FCC Part 15 Class B Conduction(QP)      **Humidity(%):**55%  
**EUT:** AC/DC ADAPTER      **Test Time:** 2019-04-10  
**M/N.:** KS100DU-3600277      **Power Rating:** AC 120V/60Hz  
**Mode:** Full Load      **Test Engineer:** Jack  
**Note:**

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1580	37.63	9.73	47.36	65.56	-18.20	QP	
2	0.1580	18.06	9.73	27.79	55.56	-27.77	AVG	
3	0.2700	37.57	9.75	47.32	61.12	-13.80	QP	
4	0.2700	26.80	9.75	36.55	51.12	-14.57	AVG	
5	0.4820	30.29	9.78	40.07	56.30	-16.23	QP	
6	0.4820	19.56	9.78	29.34	46.30	-16.96	AVG	
7	0.7780	27.16	9.82	36.98	56.00	-19.02	QP	
8	0.7780	18.27	9.82	28.09	46.00	-17.91	AVG	
9	3.1140	30.71	9.90	40.61	56.00	-15.39	QP	
10	3.1140	19.74	9.90	29.64	46.00	-16.36	AVG	
11	20.5459	33.25	10.02	43.27	60.00	-16.73	QP	
12	20.5459	26.30	10.02	36.32	50.00	-13.68	AVG	



### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

Frequency MHz	Class A (at 10m)		☑ Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength	(uV/m) Field strength	(dBuV/m) Field strength
30 ~ 88	90	39	100	40
88 ~ 216	150	43.5	150	43.5
216 ~ 960	210	46.4	200	46
960 ~ 1000	300	49.5	500	54

Notes:

- (1) The limit for radiated test was performed according to as following:  
FCC Part15, Subpart B
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) Test in the SAC room.

#### LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (GHz)	☐ Class A (dBuV/m) (at 3m)		☐ Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000MHz	80	60	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC Part15, Subpart B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) Test in the SAC room.

#### FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 ~ 108	1000
108 ~ 500	2000
500 ~ 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower





### 3.2.2 MEASUREMENT INSTRUMENTS LIST

#### 3m Radiated Emission Measurement 30M-1G

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	Rohde U Schwarz	ESPI	100502	2019-11-29
2	Pre-Amplifier	HP	8447D	2727A06172	2019-05-23
3	Bilog Antenna	Schwarzbeck	VULB9163	VULB9163-588	2019-05-23
4	RF Cable	N/A	N/A	6#	2019-05-23
5	RF Cable	N/A	N/A	1-1#	2019-05-23

#### 3m Radiated Emission Measurement 1G-18G

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	US40240623	2019-11-28
2	Low noise Amplifiers	A-INFO	LA1018N4009	J1013130524001	2019-05-23
3	Horn antenna	A-INFO	LB-10180-SF	J2031090612123	2019-05-11
4	RF Cable	N/A	N/A	1-2#	2019-05-23
5	RF Cable	N/A	N/A	7#	2019-05-23

Remark: " N/A" denotes No Model No. / Serial No. and No Calibration specified.

### 3.2.3 TEST PROCEDURE

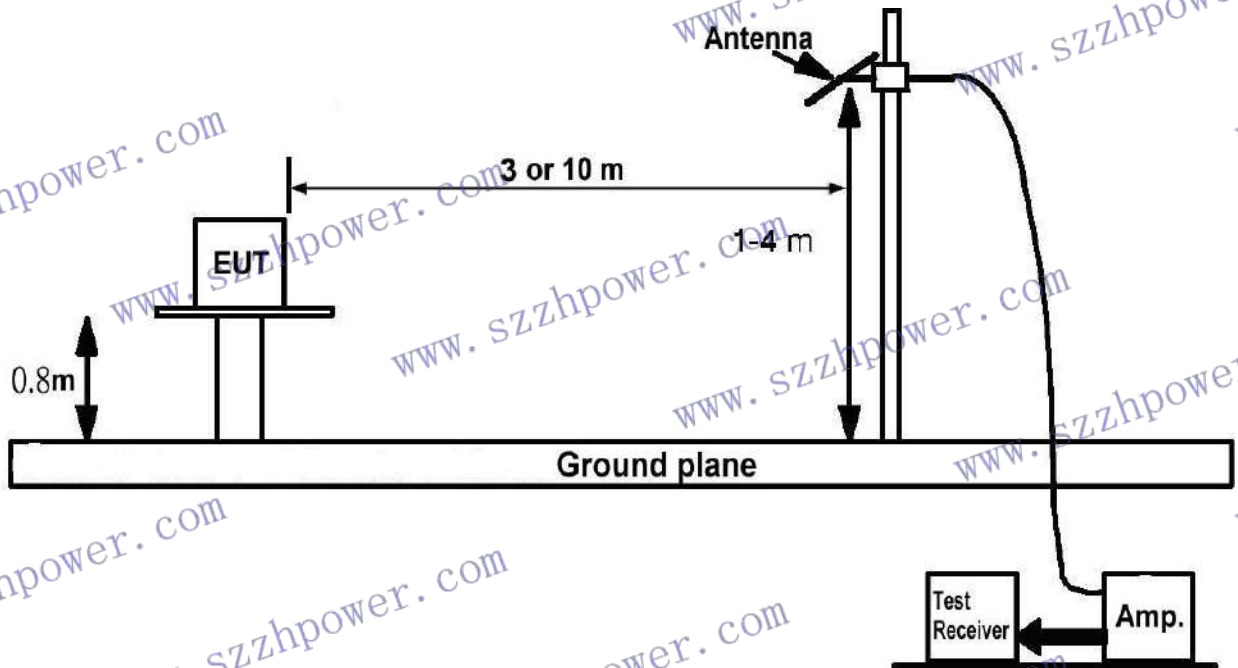
- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

### 3.2.4 DEVIATION FROM TEST STANDARD

No deviation



### 3.2.5 TEST SETUP



### 3.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 3.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.



**3.2.7 TEST RESULTS**

<b>EUT :</b>	AC/DC ADAPTER	<b>Model No.:</b>	KS100DU-1200830, KS100DU-3600277
<b>Temperature :</b>	22°C	<b>Relative Humidity:</b>	54 %
<b>Pressure :</b>	1008 hPa	<b>Test Power :</b>	AC 120V/60Hz
<b>Test Mode :</b>	Full Load		

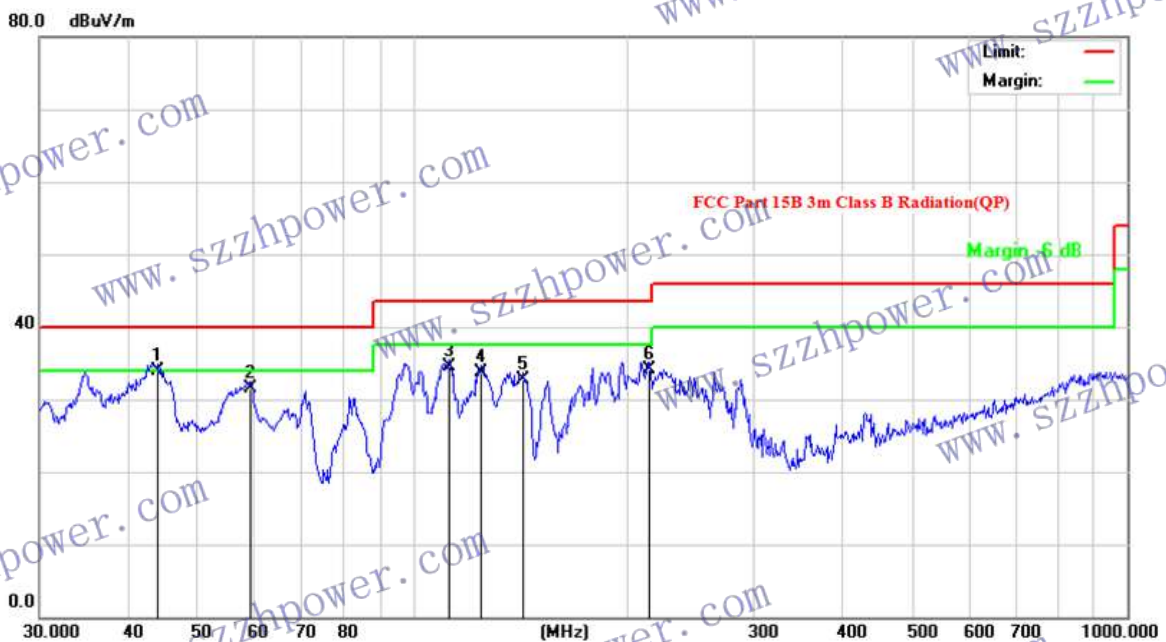
Remark :

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Detector or Peak Detector.
- (2) All readings are Peak unless otherwise stated QP in column of 「Note」. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (3) Measuring frequency range from 30MHz to 1000MHz.
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not how in table.



## Radiated Emission Test Result

**Test Site** : 966 Chamber  
**Test Date** : 2019-04-10      **Tested By** : Jack  
**EUT** : AC/DC ADAPTER      **Model Number** : KS100DU-1200830  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C, Humi:54%      **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** : Vertical



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1 *	43.9658	46.37	-12.55	33.82	40.00	-6.18	QP	
2	59.2325	44.34	-12.81	31.53	40.00	-8.47	QP	
3	112.5244	46.48	-12.03	34.45	43.50	-9.05	QP	
4	124.5690	46.51	-12.75	33.76	43.50	-9.74	QP	
5	142.8243	46.50	-13.84	32.66	43.50	-10.84	QP	
6	213.7634	45.51	-11.32	34.19	43.50	-9.31	QP	

Note: 1. Result Level = Read Level+ Factor  
 2. If PK Result complies with QP limit, QP Result is deemed to comply with QP limit  
 3.RBW 120KHz



## Radiated Emission Test Result

**Test Site** : 966 Chamber  
**Test Date** : 2019-04-10      **Tested By** : Jack  
**EUT** : AC/DC ADAPTER      **Model Number** : KS100DU-1200830  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C, Humi:54%      **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** : Horizontal



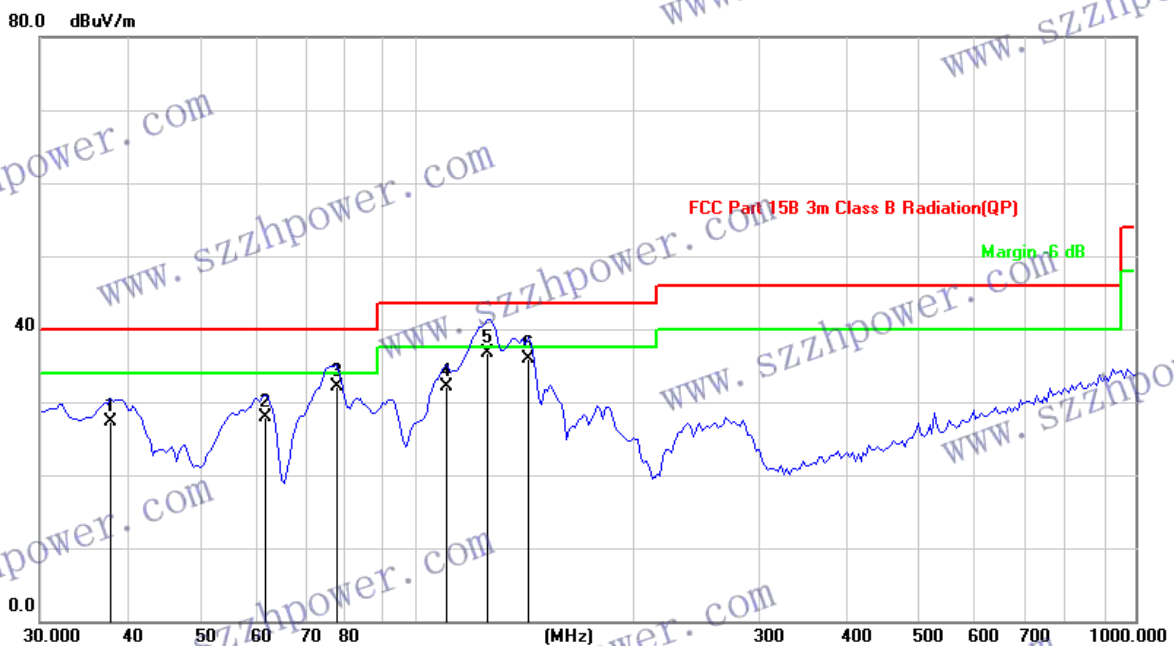
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	111.7380	35.82	-12.01	23.81	43.50	-19.69	QP	
2	124.1330	44.06	-12.78	31.28	43.50	-12.22	QP	
3	136.6993	45.59	-13.56	32.03	43.50	-11.47	QP	
4 *	165.7771	49.22	-13.65	35.57	43.50	-7.93	QP	
5	179.3863	46.15	-13.03	33.12	43.50	-10.38	QP	
6	190.7390	39.57	-12.50	27.07	43.50	-16.43	QP	

Note: 1. Result Level = Read Level+ Factor  
 2. If PK Result complies with QP limit, QP Result is deemed to comply with QP limit  
 3.RBW 120KHz



## Radiated Emission Test Result

**Test Site** : 966 Chamber  
**Test Date** : 2019-04-10      **Tested By** : Jack  
**EUT** : AC/DC ADAPTER      **Model Number** : KS100DU-3600277  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C,Humi:54% **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** : Vertical



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	37.7013	40.57	-13.17	27.40	40.00	-12.60	QP	
2	61.6728	41.43	-13.53	27.90	40.00	-12.10	QP	
3	77.5049	48.64	-16.60	32.04	40.00	-7.96	QP	
4	110.1536	43.94	-11.89	32.05	43.50	-11.45	QP	
5 *	125.6752	49.48	-12.83	36.65	43.50	-6.85	QP	
6	143.3839	49.83	-13.88	35.95	43.50	-7.55	QP	

Note: 1. Result Level = Read Level+ Factor  
 2. If PK Result complies with QP limit, QP Result is deemed to comply with QP limit  
 3.RBW 120KHz



## Radiated Emission Test Result

**Test Site** : 966 Chamber  
**Test Date** : 2019-04-10      **Tested By** : Jack  
**EUT** : AC/DC ADAPTER      **Model Number** : KS100DU-3600277  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C, Humi:54%      **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** : Horizontal



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	115.7256	40.89	-12.26	28.63	43.50	-14.87	QP	
2 *	128.5630	48.76	-13.05	35.71	43.50	-7.79	QP	
3	139.1172	47.45	-13.70	33.75	43.50	-9.75	QP	
4	153.2004	46.88	-14.23	32.65	43.50	-10.85	QP	
5	180.9658	43.98	-12.96	31.02	43.50	-12.48	QP	
6	195.8220	37.16	-12.27	24.89	43.50	-18.61	QP	

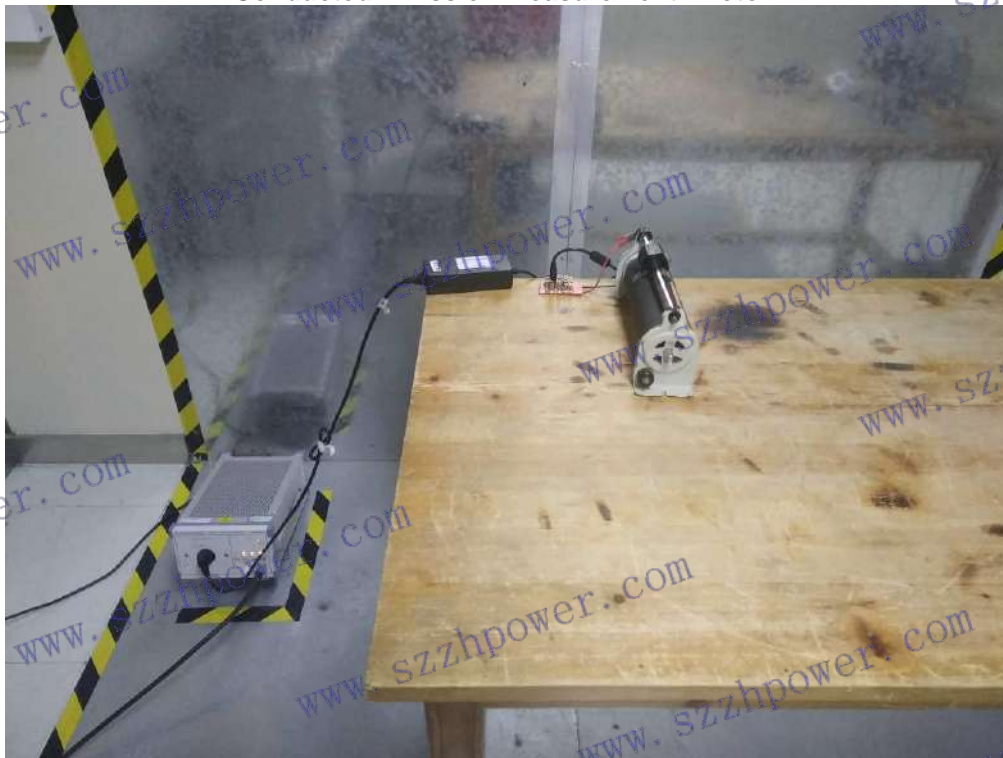
Note: 1. Result Level = Read Level+ Factor  
 2. If PK Result complies with QP limit, QP Result is deemed to comply with QP limit  
 3.RBW 120KHz



#### 4. ATTACHMENT

##### 4.1. EUT TEST PHOTO

Conducted Emission Measurement Photo



Radiated Measurement Photo







#### 4.2. EUT PRODUCT PHOTO



Figure 1. Overall view of unit for models ZH100DU-xxxxxxx, KS100DU-xxxxxxx



Figure 2. Overall view of unit for models ZH100DU-xxxxxxx, KS100DU-xxxxxxx



Figure 3. Overall view of unit for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy



Figure 4. Overall view of unit for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy

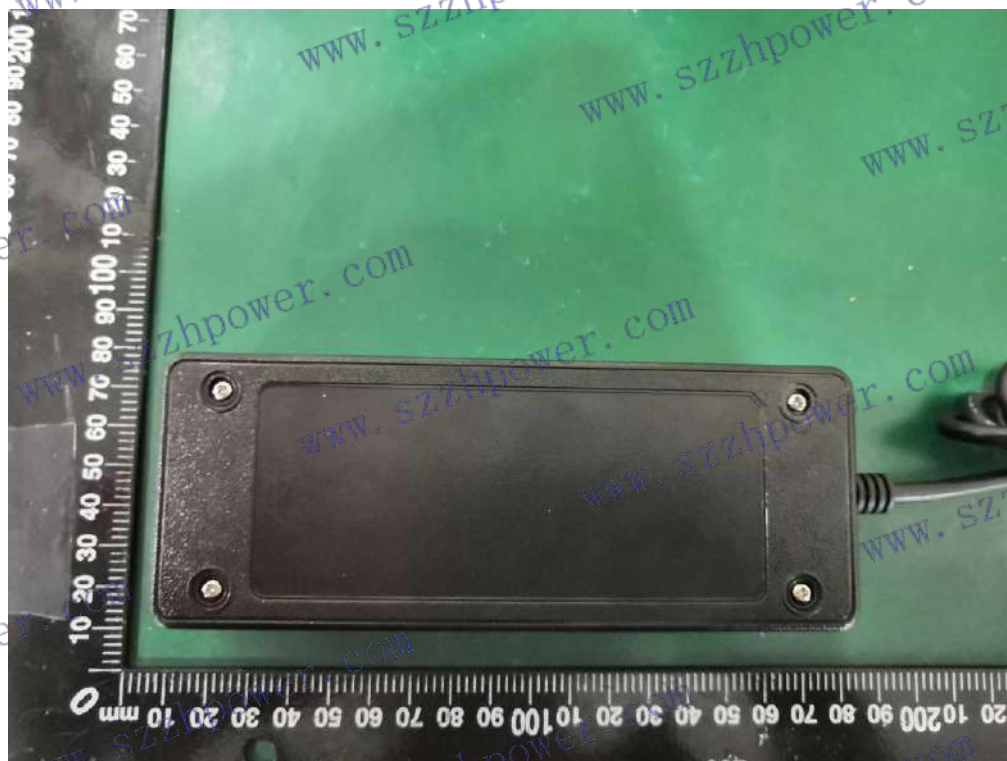


Figure 5. Overall view of unit for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy



Figure 6. Overall view of unit for models ZH100DU-xxxxyyyWU, KS100DU-xxxxyyyWU



Figure 7. Overall view of unit for models ZH100DU-xxxxxxxWU, KS100DU-xxxxxxxWU

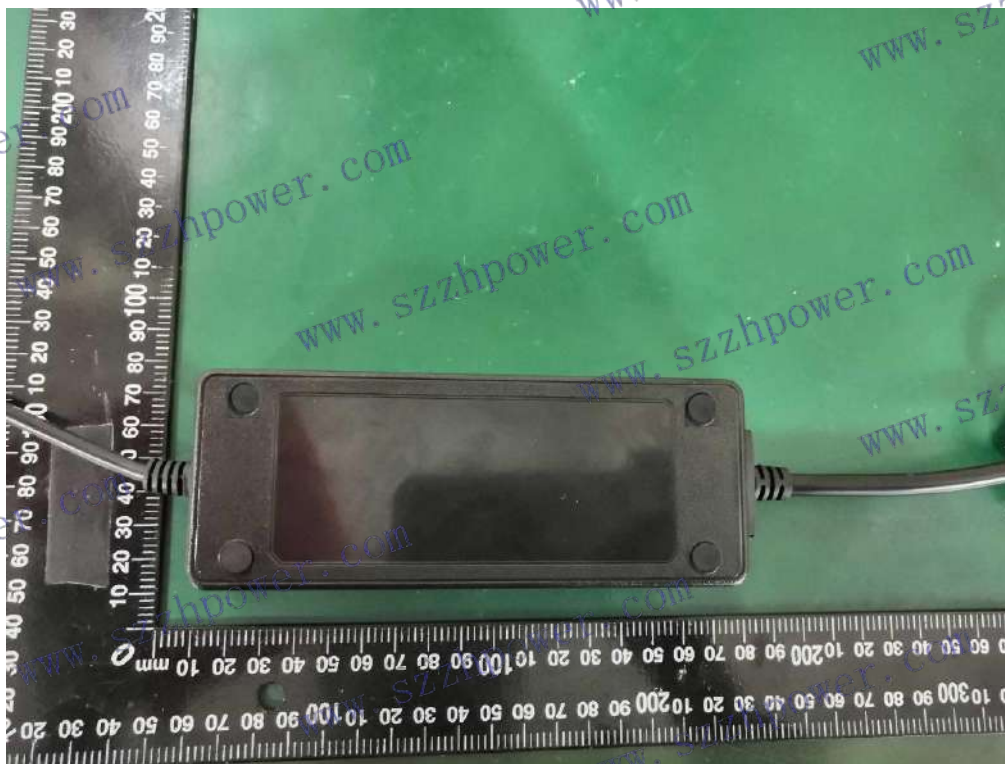


Figure 8. Overall view of unit for models ZH100DU-xxxxxxxWz, KS100DU-xxxxxxxWz

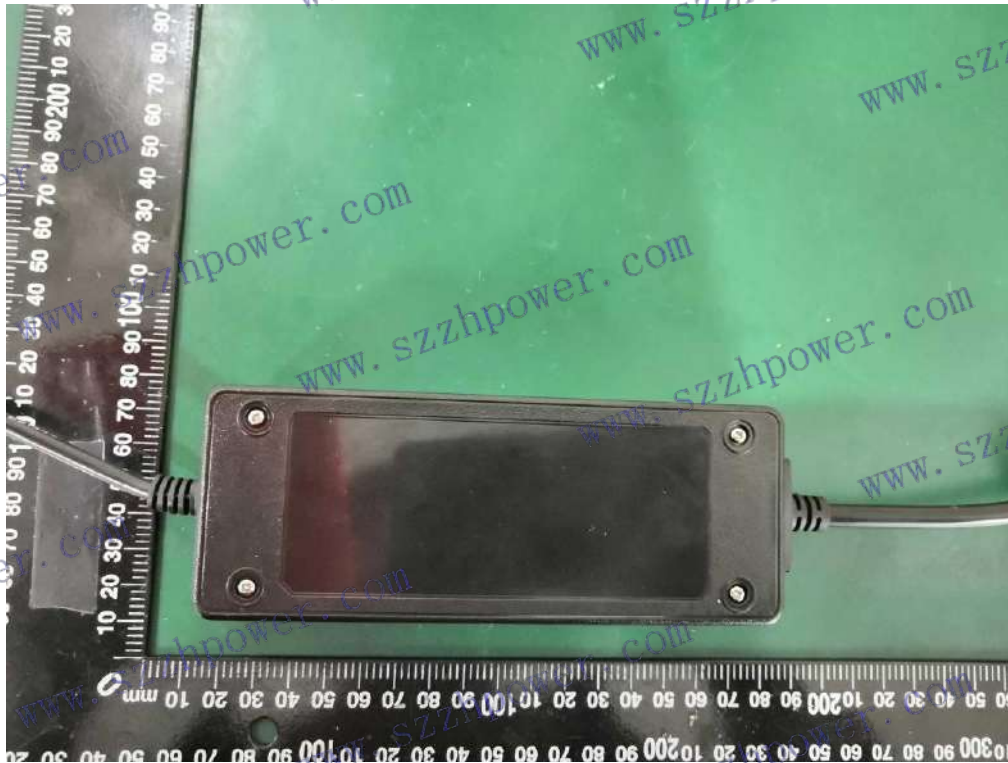


Figure 9. Overall view of unit for models ZH100DU-xxxxxxxWz, KS100DU-xxxxxxxWz



Figure 10. Internal view of unit for models ZH100DU-xxxxxxx, KS100DU-xxxxxxx



Figure 11. Internal view of unit for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy



Figure 12. Internal view of unit for models ZH100DU-xxxxyyyWz, KS100DU-xxxxyyyWz



Figure 13. Internal view of unit for models ZH100DU-xxxxyyyWz, KS100DU-xxxxyyyWz

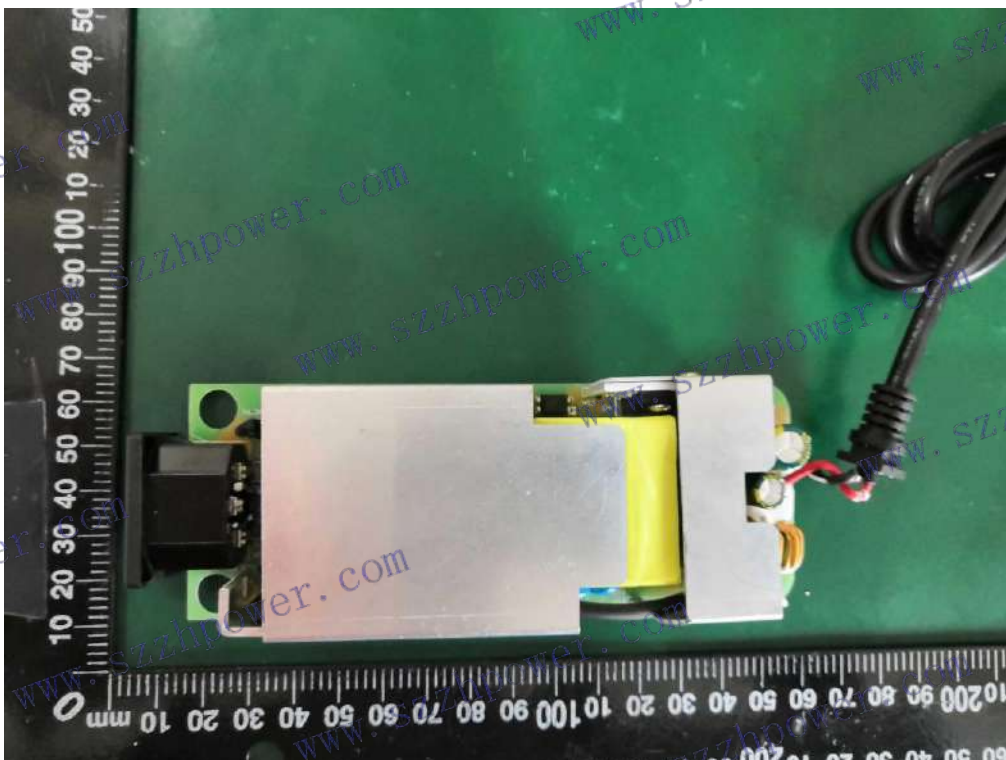


Figure 14. Top view of PCB for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy

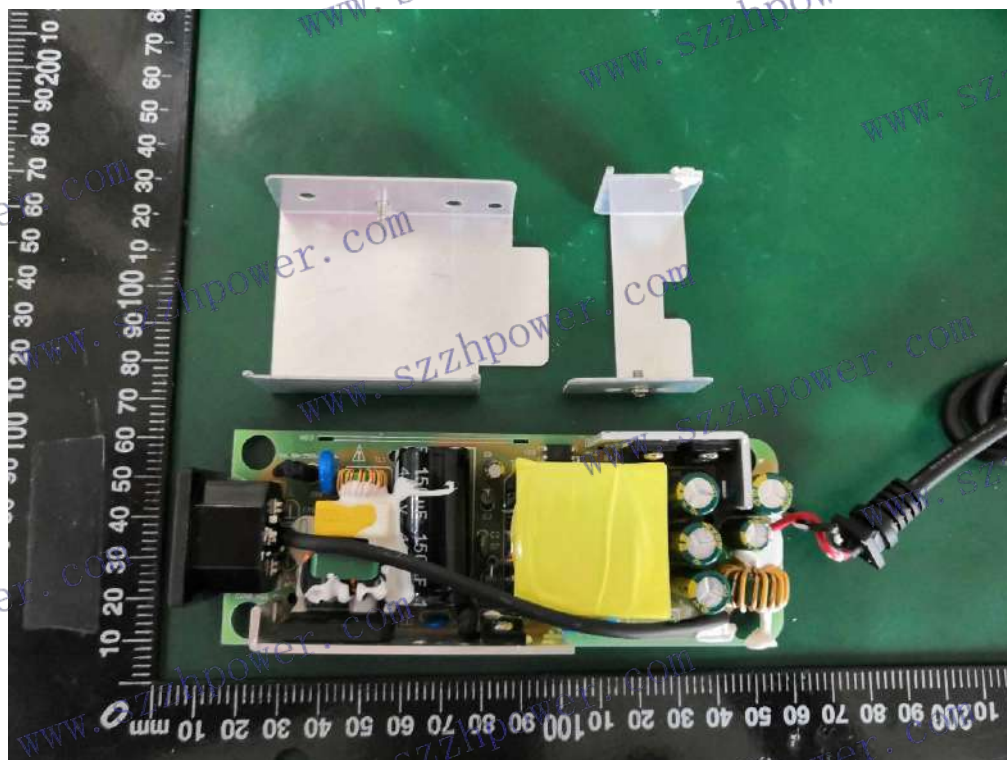


Figure 15. Top view of PCB for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy

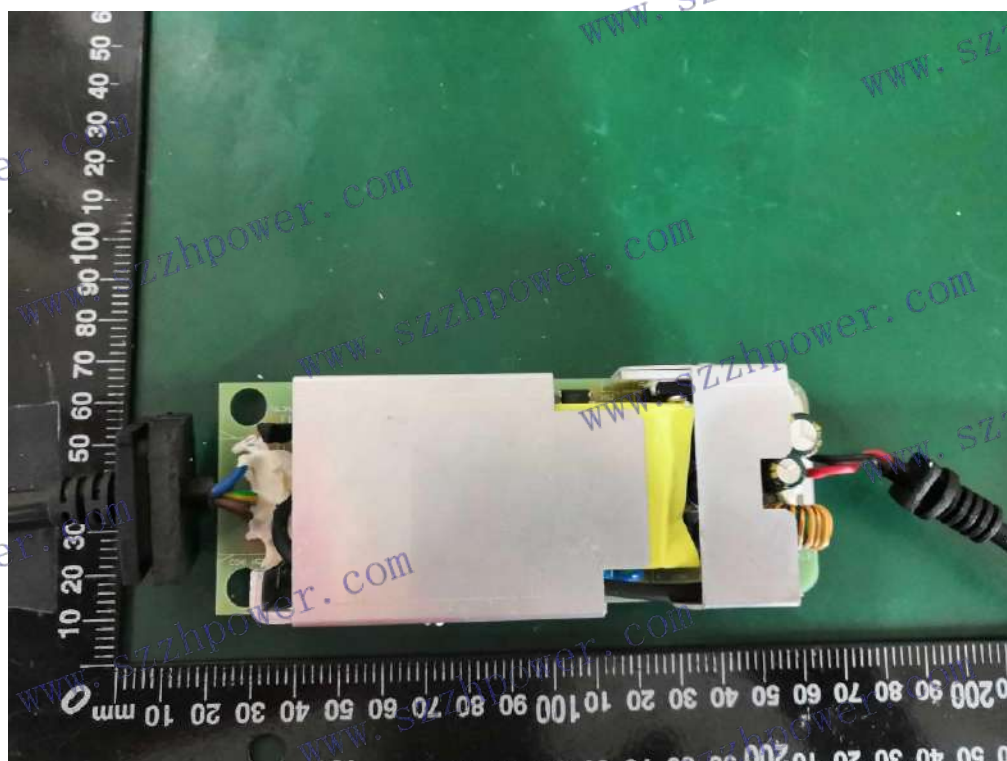


Figure 16. Top view of PCB for models ZH100DU-xxxxyyyWz, KS100DU-xxxxyyyWz



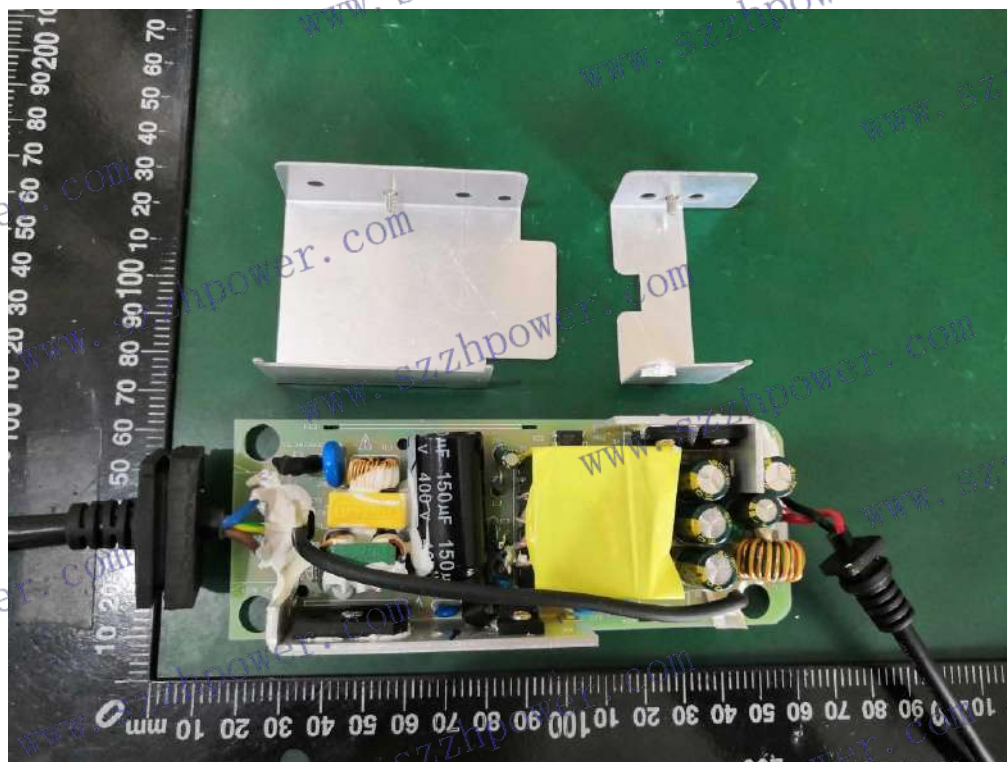


Figure 17. Top view of PCB for models ZH100DU-xxxxyyyWz, KS100DU-xxxxyyyWz

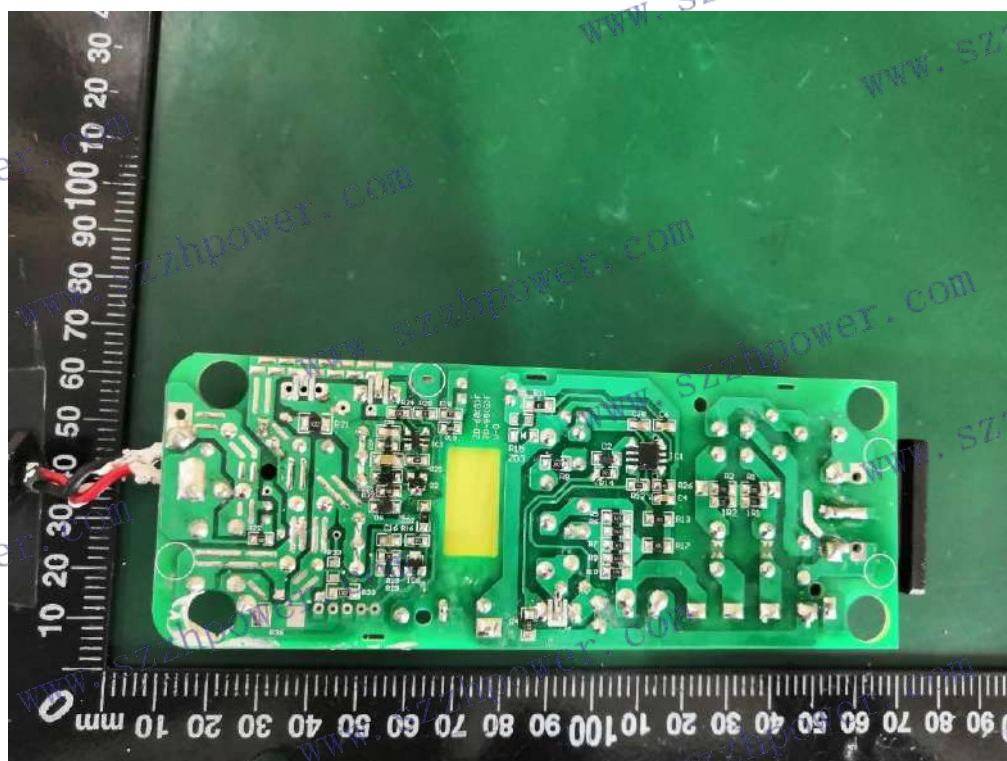


Figure 18. Bottom view of PCB for models ZH100DU-xxxxyyy, KS100DU-xxxxyyy

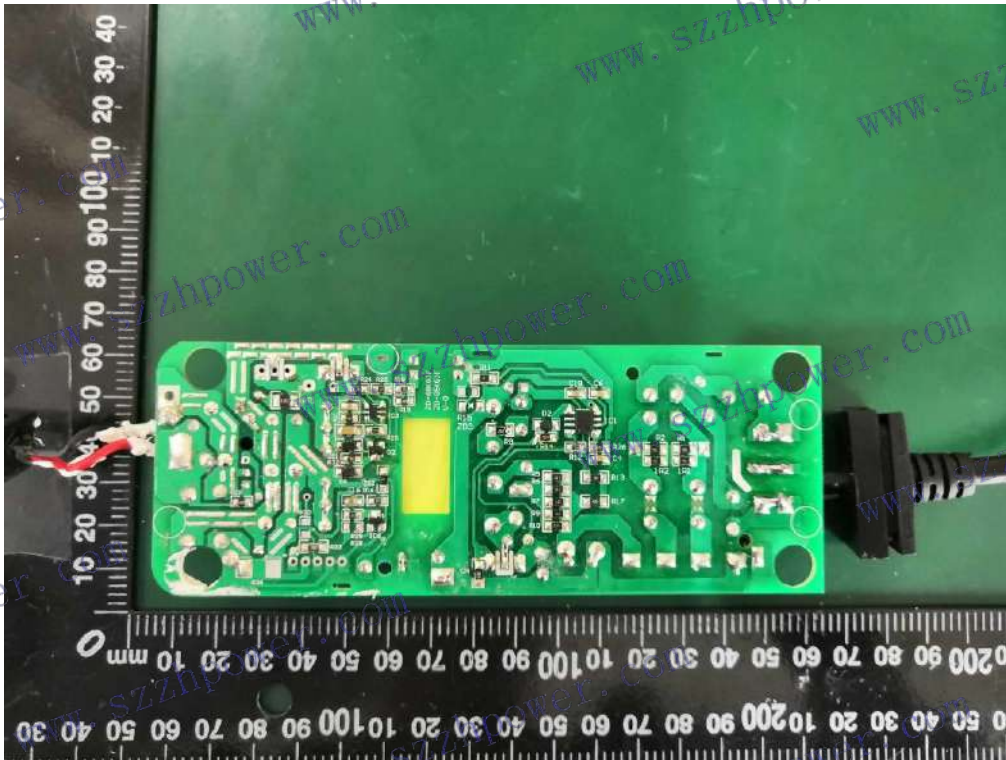


Figure 19. Bottom view of PCB for models ZH100DU-xxxxyyyWz, KS100DU-xxxxyyyWz