





# TEST REPORT



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

Report Reference No.....: 4788809314

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

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

Date of issue .....: Dec. 27, 2018

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 .....: Huizhou Guoatong Technology Co., Ltd

Address.....: 4, 5F (PLANT B) NO.2 RUNZE RD SOUTH HIGH TECH  
INDUSTRIAL PARK HUIAO AVENUE HUIZHOU GUANGDONG  
PR 516000 CHINA

Manufacturer.....: Huizhou Guoatong Technology Co., Ltd

Address.....: 4, 5F (PLANT B) NO.2 RUNZE RD SOUTH HIGH TECH  
INDUSTRIAL PARK HUIAO AVENUE HUIZHOU GUANGDONG  
PR 516000 CHINA

Test specification:

EUT description .....: Power Adapter

Trade Mark.....: N/A

Model/Type reference .....: GA-XXXYYYY (XXX, YYYY, W are variables, XXX =030-240,  
YYYY=0100-3000, see the page 4 for details)

Ratings.....: AC 100-240V, 0.6A, 50/60Hz

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**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 .....: Huizhou Guoatong Technology Co., Ltd  
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 Address.....: 4, 5F (PLANT B) NO.2 RUNZE RD SOUTH HIGH TECH INDUSTRIAL PARK HUIAO AVENUE HUIZHOU GUANGDONG PR 516000 CHINA

**Test specification:**

EUT description .....: Power Adapter  
 Trade Mark.....: N/A  
 Model/Type reference .....: GA-XXXXYYYY (XXX, YYYY, W are variables, XXX =030-240, YYYY=0100-3000, see the page 4 for details)  
 Test Sample .....: GA-0503000, GA-2401000  
 Ratings.....: Input: AC 100-240V, 0.6A, 50/60Hz.  
 Output: 3.0-24.0Vdc, 0.1-3.0A

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 models GA-XXXXYYY (XXX=030-240; YYY=0100-3000) is Power Adapter for the use in information technology equipment.

All models are identical to each other except model name, output rating, plug portion and some non-critical secondary component.

Model list:

Table A : Definition of Variables		
XXX	030-240	3 digits code indicates output voltage range from 3.0V-24.0V, minimum step by 0.1V. e.g.:030=3.0Vdc, 240=24.0Vdc.
YYY	0100-3000	4 digits code indicate output current from 0.1A to 3.0A, the rising step is 0.01A. e.g.: 0100 = 0.1A, 3000=3.0A

Table B: model list				
MODEL	Output Voltage (Vdc)	Output Current(A)	Max. Output Power(W)	Transformer (T1)
GA-XXXXYYY	3.0-5.0	0.1-3.0	15	EF20-5V
	5.1-12.0	0.1-2.0	24	EF20-12V
	12.1-24.0	0.1-1.0	24	EF20-24V

All tests was performed on model GA-0503000 and GA-2401000.

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 , (dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	3.19	

B. Radiated Emission Test :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U , (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	

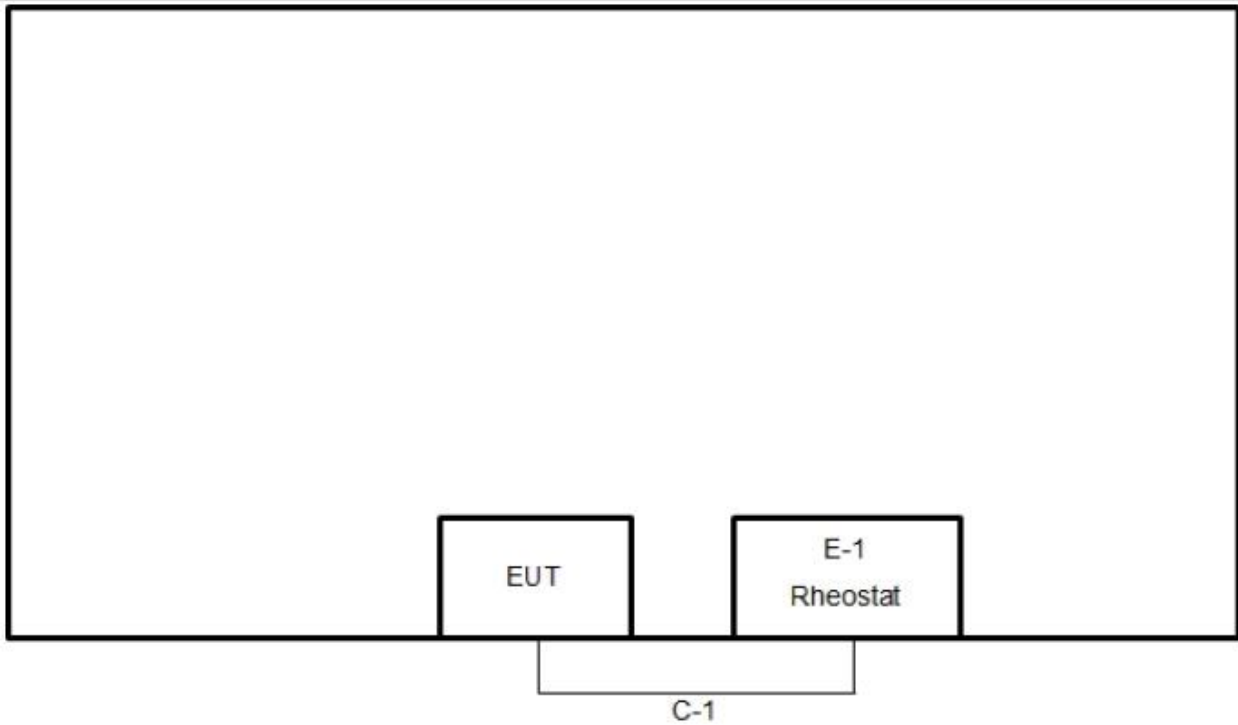


## 2.2 DESCRIPTION OF TEST MODES

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

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	ROHDE&SCHWARZ	ESPI	101144	2019-01-07
2	LISN	ROHDE&SCHWARZ	ENV216	101413	2019-01-07
3	Test Cable	N/A	N/A	5#	2019-05-23

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



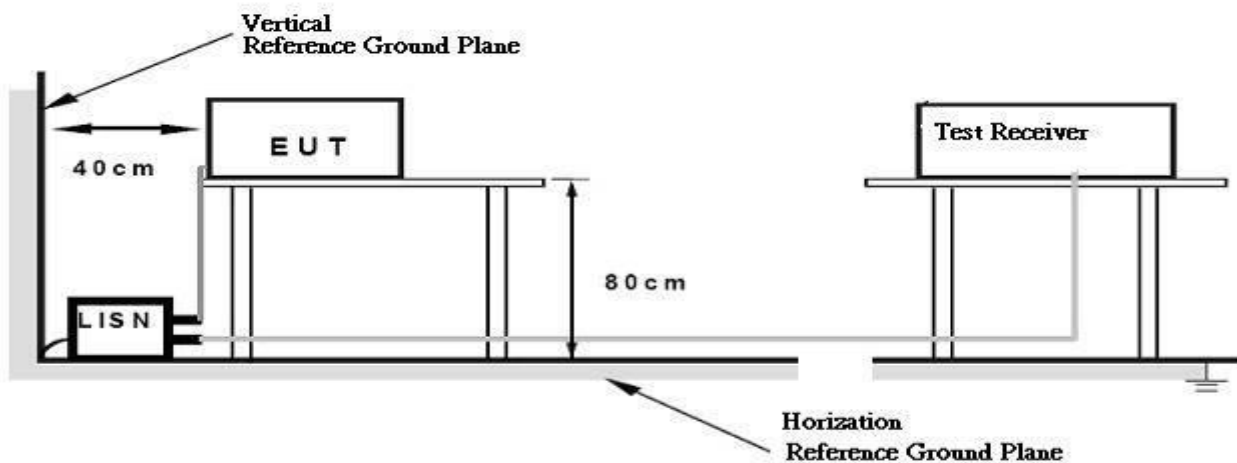
### 3.1.3 TEST PROCEDURE

- 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.

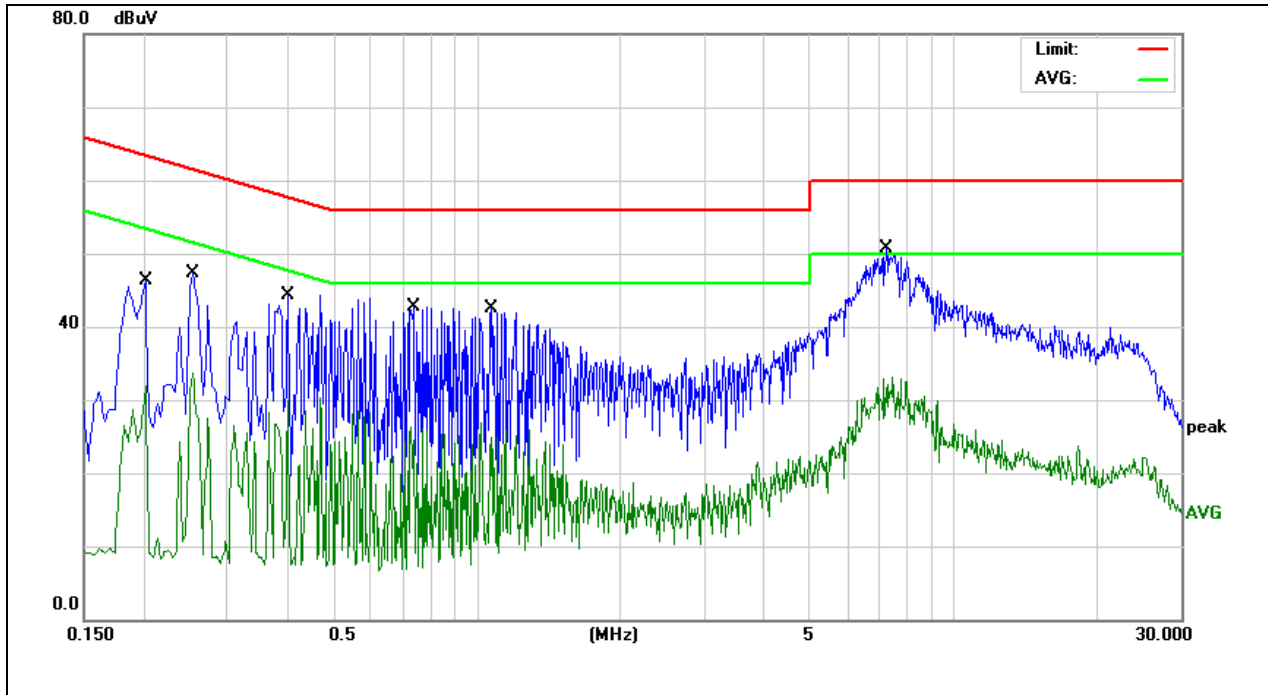


3.1.7 TEST RESULTS

<b>EUT:</b>	Power Adapter	<b>Model No. :</b>	GA-0503000, GA-2401000
<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		

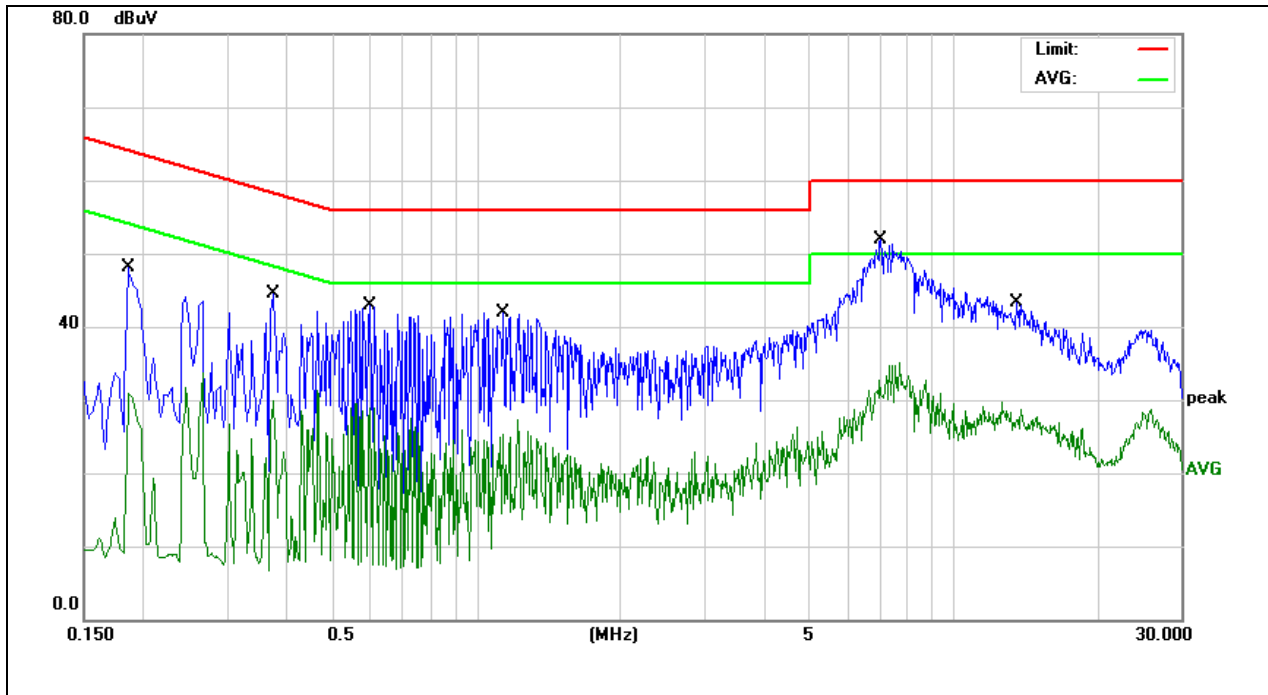
Remark:

- (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 & 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.



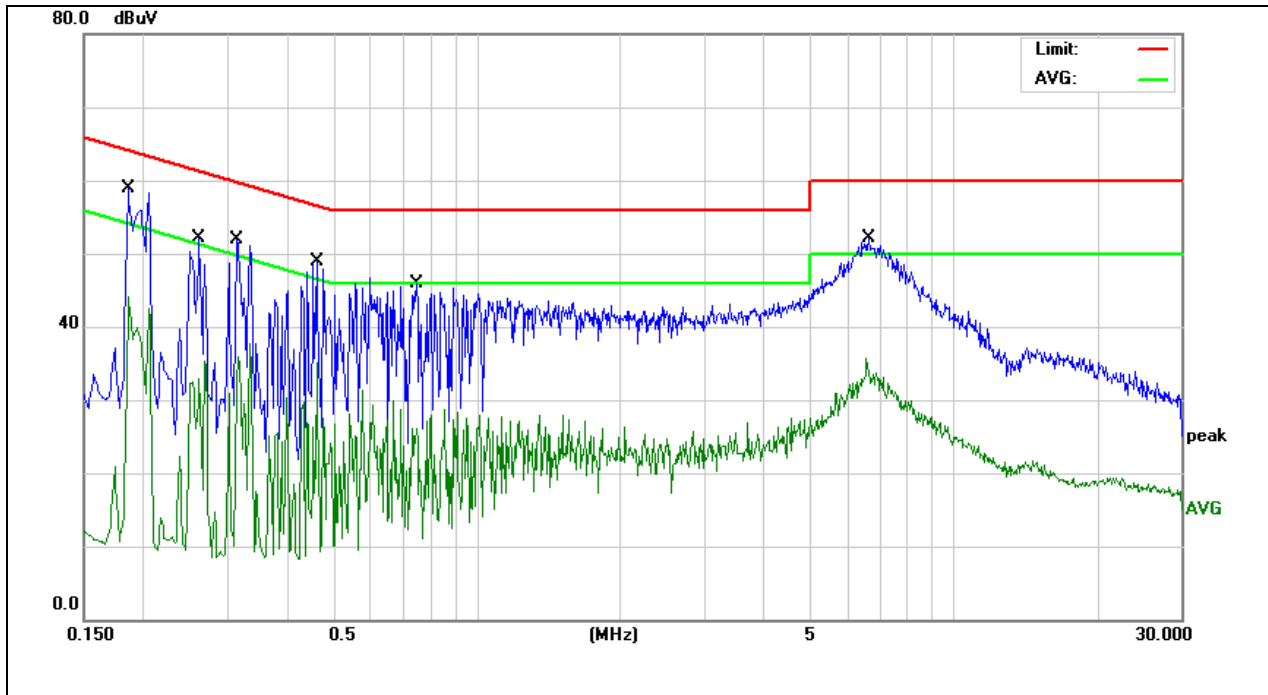
Site:	843	Phase:	N	Temperature(C):	30(C)
Limit:	FCC Part 15 B Conduction(QP)	Humidity(%):	60%	Test Time:	2018-12-17
EUT:	Power Adapter	Power Rating:	AC 120V/60Hz	Test Engineer:	Jack
M/N.:	GA-0503000				
Mode:	Full load				
Note:					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.2020	31.27	10.67	41.94	63.52	-21.58	QP	
2	0.2020	11.23	10.67	21.90	53.52	-31.62	AVG	
3	0.2540	32.57	10.65	43.22	61.62	-18.40	QP	
4	0.2540	15.00	10.65	25.65	51.62	-25.97	AVG	
5	0.4020	29.66	10.59	40.25	57.81	-17.56	QP	
6	0.4020	9.18	10.59	19.77	47.81	-28.04	AVG	
7	0.7420	28.54	10.60	39.14	56.00	-16.86	QP	
8	0.7420	8.74	10.60	19.34	46.00	-26.66	AVG	
9	1.0740	26.98	10.64	37.62	56.00	-18.38	QP	
10	1.0740	6.71	10.64	17.35	46.00	-28.65	AVG	
11 *	7.2340	33.15	10.52	43.67	60.00	-16.33	QP	
12	7.2340	16.19	10.52	26.71	50.00	-23.29	AVG	



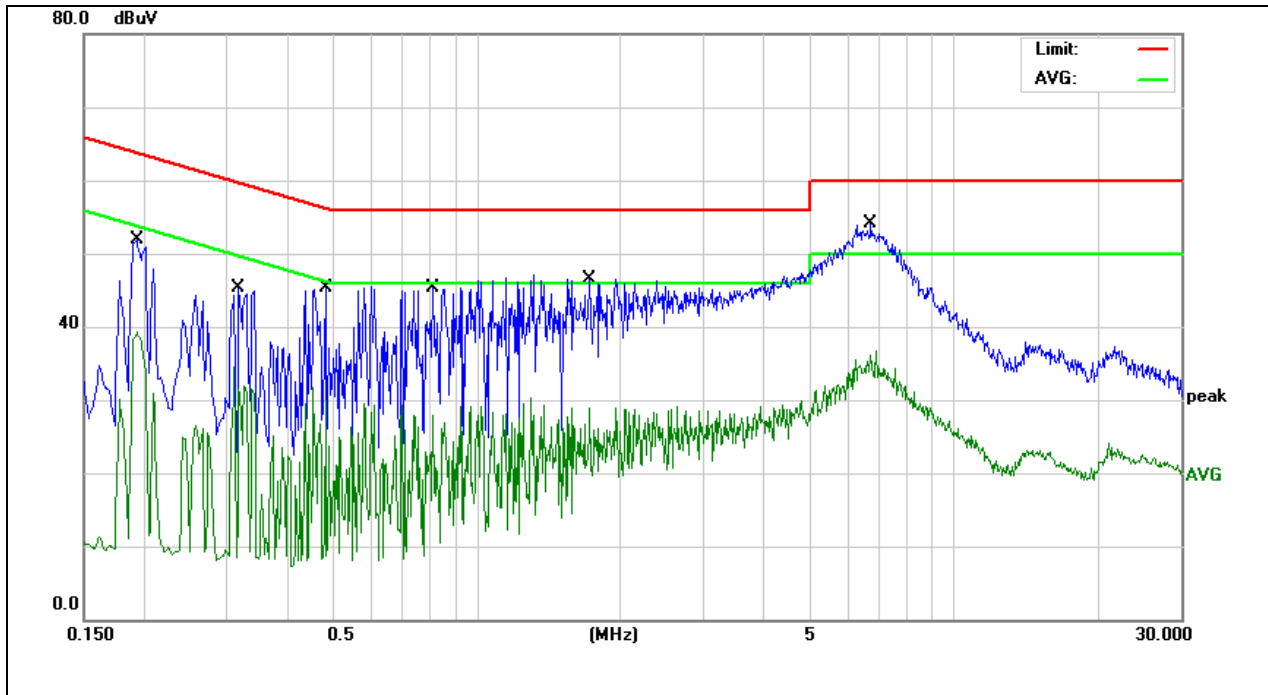
<b>Site:</b>	843	<b>Phase:</b>	L1	<b>Temperature(C):</b>	30(C)
<b>Limit:</b>	FCC Part 15 B Conduction(QP)	<b>Humidity(%):</b>	60%	<b>Test Time:</b>	2018-12-17
<b>EUT:</b>	Power Adapter	<b>Power Rating:</b>	AC 120V/60Hz	<b>Test Engineer:</b>	Jack
<b>M/N.:</b>	GA-0503000				
<b>Mode:</b>	Full load				
<b>Note:</b>					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1860	33.30	10.69	43.99	64.21	-20.22	QP	
2	0.1860	13.94	10.69	24.63	54.21	-29.58	AVG	
3	0.3740	29.31	10.59	39.90	58.41	-18.51	QP	
4	0.3740	9.87	10.59	20.46	48.41	-27.95	AVG	
5	0.5980	27.63	10.58	38.21	56.00	-17.79	QP	
6	0.5980	8.19	10.58	18.77	46.00	-27.23	AVG	
7	1.1380	28.17	10.63	38.80	56.00	-17.20	QP	
8	1.1380	8.30	10.63	18.93	46.00	-27.07	AVG	
9 *	7.0260	34.48	10.50	44.98	60.00	-15.02	QP	
10	7.0260	16.45	10.50	26.95	50.00	-23.05	AVG	
11	13.6020	24.94	10.92	35.86	60.00	-24.14	QP	
12	13.6020	13.29	10.92	24.21	50.00	-25.79	AVG	



<b>Site:</b>	<b>843</b>	<b>Phase:</b>	<b>N</b>	<b>Temperature(C):</b>	<b>30(C)</b>
<b>Limit:</b>	<b>FCC Part 15 B Conduction(QP)</b>			<b>Humidity(%):</b>	<b>60%</b>
<b>EUT:</b>	<b>Power Adapter</b>	<b>Test Time:</b>	<b>2018-12-17</b>		
<b>M/N.:</b>	<b>GA-2401000</b>	<b>Power Rating:</b>	<b>AC 120V/60Hz</b>		
<b>Mode:</b>	<b>Full load</b>	<b>Test Engineer:</b>	<b>Jack</b>		
<b>Note:</b>					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1 *	0.1860	41.44	10.78	52.22	64.21	-11.99	QP	
2	0.1860	23.51	10.78	34.29	54.21	-19.92	AVG	
3	0.2620	32.75	10.74	43.49	61.36	-17.87	QP	
4	0.2620	14.93	10.74	25.67	51.36	-25.69	AVG	
5	0.3140	36.01	10.71	46.72	59.86	-13.14	QP	
6	0.3140	18.14	10.71	28.85	49.86	-21.01	AVG	
7	0.4620	33.06	10.66	43.72	56.66	-12.94	QP	
8	0.4620	14.27	10.66	24.93	46.66	-21.73	AVG	
9	0.7500	30.26	10.70	40.96	56.00	-15.04	QP	
10	0.7500	12.48	10.70	23.18	46.00	-22.82	AVG	
11	6.6300	35.70	10.61	46.31	60.00	-13.69	QP	
12	6.6300	20.41	10.61	31.02	50.00	-18.98	AVG	



<b>Site:</b>	843	<b>Phase:</b>	L1	<b>Temperature(C):</b>	30(C)
<b>Limit:</b>	FCC Part 15 B Conduction(QP)	<b>Humidity(%):</b>	60%	<b>Test Time:</b>	2018-12-17
<b>EUT:</b>	Power Adapter	<b>Power Rating:</b>	AC 120V/60Hz	<b>Test Engineer:</b>	Jack
<b>M/N.:</b>	GA-2401000				
<b>Mode:</b>	Full load				
<b>Note:</b>					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Over (dB)	Detector	Comment
1	0.1940	37.83	10.76	48.59	63.86	-15.27	QP	
2	0.1940	23.39	10.76	34.15	53.86	-19.71	AVG	
3	0.3180	32.06	10.71	42.77	59.76	-16.99	QP	
4	0.3180	18.10	10.71	28.81	49.76	-20.95	AVG	
5	0.4820	30.92	10.65	41.57	56.30	-14.73	QP	
6	0.4820	10.68	10.65	21.33	46.30	-24.97	AVG	
7	0.8100	28.51	10.71	39.22	56.00	-16.78	QP	
8	0.8100	10.65	10.71	21.36	46.00	-24.64	AVG	
9	1.7300	31.56	10.66	42.22	56.00	-13.78	QP	
10	1.7300	13.42	10.66	24.08	46.00	-21.92	AVG	
11 *	6.7140	37.58	10.61	48.19	60.00	-11.81	QP	
1	0.1940	37.83	10.76	48.59	63.86	-15.27	AVG	

### 3.2 RADIATED EMISSION MEASUREMENT

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

Frequency MHz	Class A (at 10m)		<input checked="" type="checkbox"/> 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)	<input type="checkbox"/> Class A (dBuV/m) (at 3m)		<input type="checkbox"/> 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 & Schwarz	ESPI	100502	2019-01-07
2	Pre-Amplifier	HP	8447D	2727A06172	2019-01-07
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	2019-05-23
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

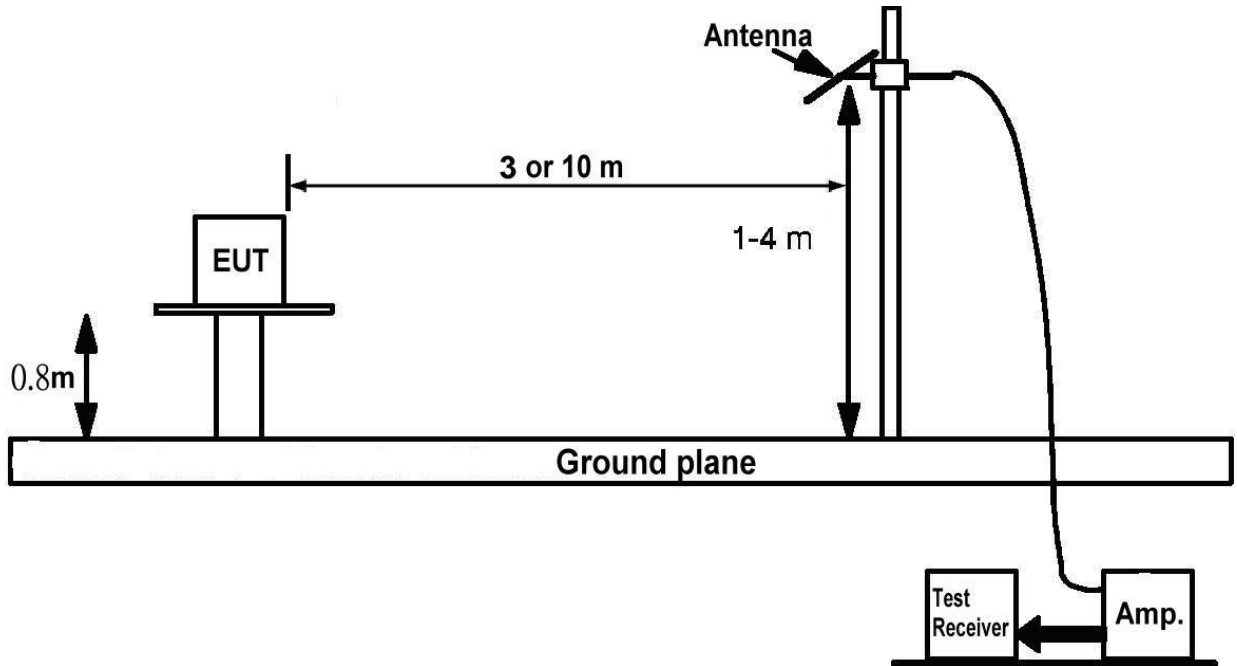
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. 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.
- d. 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.
- e. 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.
- f. 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

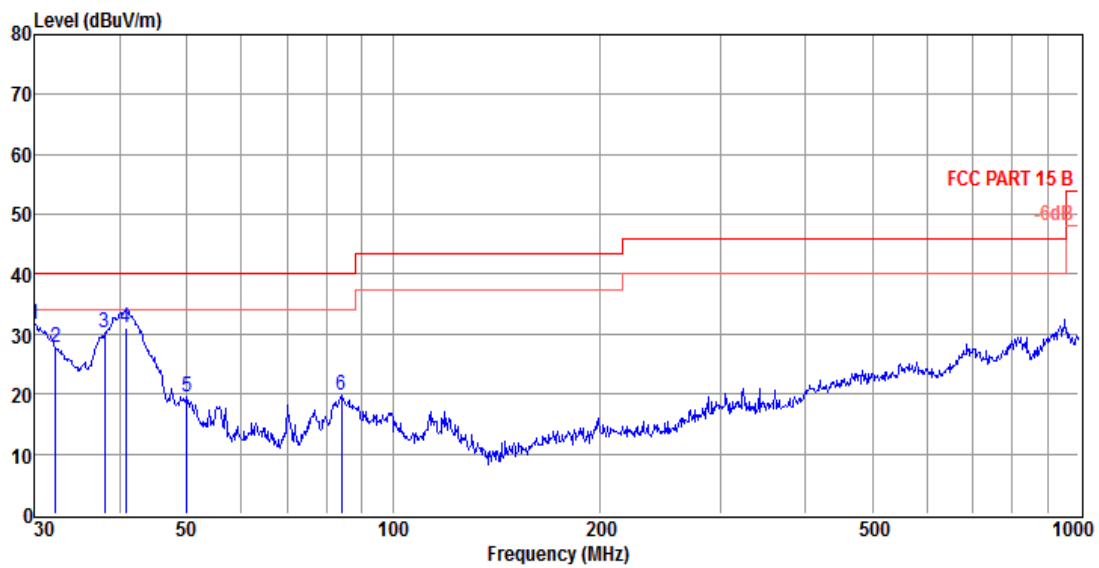
<b>EUT :</b>	Power Adapter	<b>Model No. :</b>	GA-0503000, GA-2401000
<b>Temperature :</b>	22°C	<b>Relative Humidity:</b>	54 %
<b>Pressure :</b>	1008 hPa	<b>Test Power :</b>	AC 120V/60Hz
<b>Test Mode :</b>	Full Load		

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** : 2018-12-17      **Tested By** : Jack  
**EUT** : Power Adapter      **Model Number** : GA-0503000  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C, Humi:54% **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** :

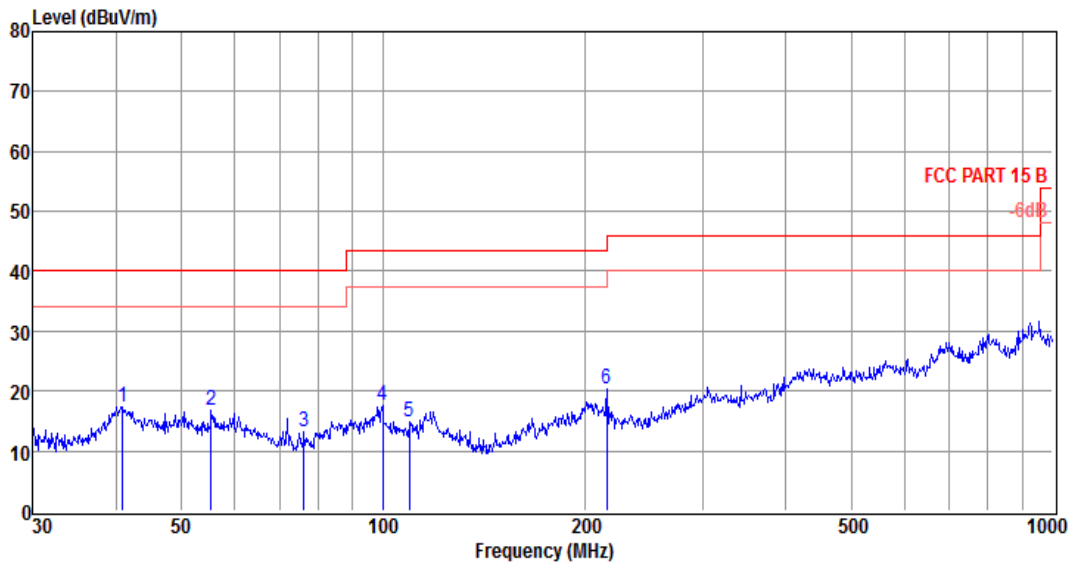


Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	30.00	45.86	11.10	26.41	1.14	31.69	40.00	-8.31	QP	VERTICAL
2	32.18	41.66	11.19	26.40	1.19	27.64	40.00	-12.36	QP	VERTICAL
3	37.95	43.17	12.09	26.39	1.30	30.17	40.00	-9.83	QP	VERTICAL
4	40.70	43.28	12.73	26.39	1.35	30.97	40.00	-9.03	QP	VERTICAL
5	50.06	30.87	13.59	26.37	1.49	19.58	40.00	-20.42	QP	VERTICAL
6	84.11	35.31	8.78	26.27	1.95	19.77	40.00	-20.23	QP	VERTICAL

Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- PRM 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** : 2018-12-17      **Tested By** : Jack  
**EUT** : Power Adapter      **Model Number** : GA-0503000  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C,Humi:54% **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** :



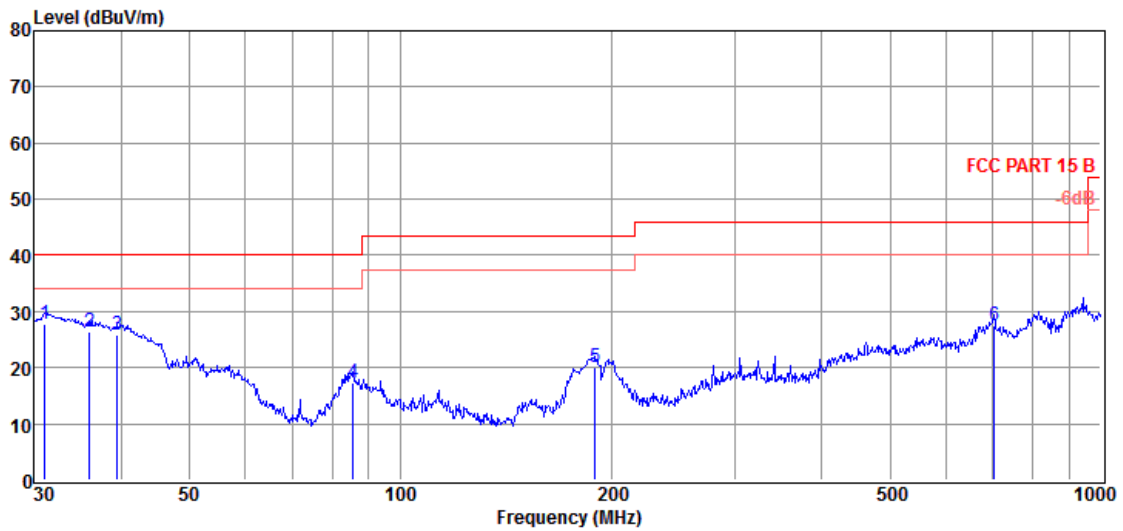
Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	40.85	29.59	12.76	26.39	1.35	17.31	40.00	-22.69	QP	HORIZONTAL
2	55.42	28.65	12.81	26.35	1.58	16.69	40.00	-23.31	QP	HORIZONTAL
3	76.24	29.20	8.48	26.29	1.86	13.25	40.00	-26.75	QP	HORIZONTAL
4	99.88	29.94	11.78	26.22	2.14	17.64	43.50	-25.86	QP	HORIZONTAL
5	109.41	27.67	11.23	26.22	2.26	14.94	43.50	-28.56	QP	HORIZONTAL
6	216.02	30.32	13.05	26.22	3.21	20.36	46.00	-25.64	QP	HORIZONTAL

Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- PRM 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** : 2018-12-17      **Tested By** : Jack  
**EUT** : Power Adapter      **Model Number** : GA-2401000  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C,Humi:54% **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** :

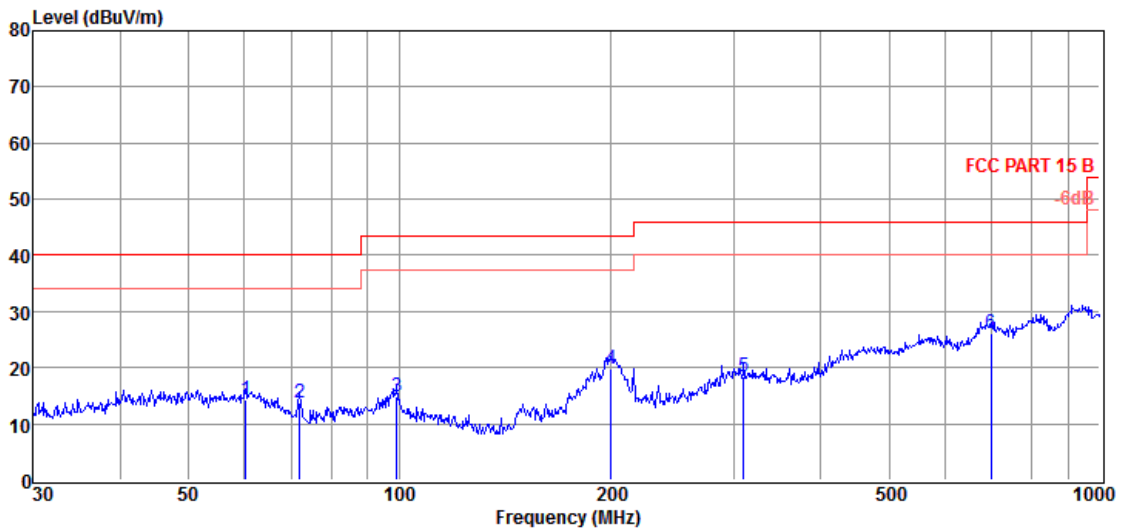


Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	31.07	41.86	11.15	26.41	1.16	27.76	40.00	-12.24	QP	VERTICAL
2	36.00	39.95	11.57	26.40	1.26	26.38	40.00	-13.62	QP	VERTICAL
3	39.44	38.41	12.46	26.39	1.33	25.81	40.00	-14.19	QP	VERTICAL
4	85.60	32.38	9.12	26.26	1.97	17.21	40.00	-22.79	QP	VERTICAL
5	189.74	31.63	11.60	26.22	3.00	20.01	43.50	-23.49	QP	VERTICAL
6	704.23	27.11	21.43	27.18	6.05	27.41	46.00	-18.59	QP	VERTICAL

Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- PRM 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** : 2018-12-17      **Tested By** : Jack  
**EUT** : Power Adapter      **Model Number** : GA-2401000  
**Power Supply** : AC 120V/60Hz      **Test Mode** : Full Load  
**Condition** : Temp:22°C,Humi:54% **Antenna/Distance** : VULB9163-1/(3m)  
**Memo** :



Item (Mark)	Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	60.28	26.80	12.12	26.33	1.65	14.24	40.00	-25.76	QP	HORIZONTAL
2	72.08	28.88	9.28	26.30	1.81	13.67	40.00	-26.33	QP	HORIZONTAL
3	99.18	27.20	11.67	26.22	2.13	14.78	43.50	-28.72	QP	HORIZONTAL
4	200.69	30.32	12.72	26.22	3.09	19.91	43.50	-23.59	QP	HORIZONTAL
5	310.00	25.13	15.78	26.27	3.89	18.53	46.00	-27.47	QP	HORIZONTAL
6	699.31	25.92	21.39	27.18	6.03	26.16	46.00	-19.84	QP	HORIZONTAL

Note: 1. Result Level = Read Level+ Antenna Factor+ Cable Loss- PRM 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



Figure 2. Overall view of unit



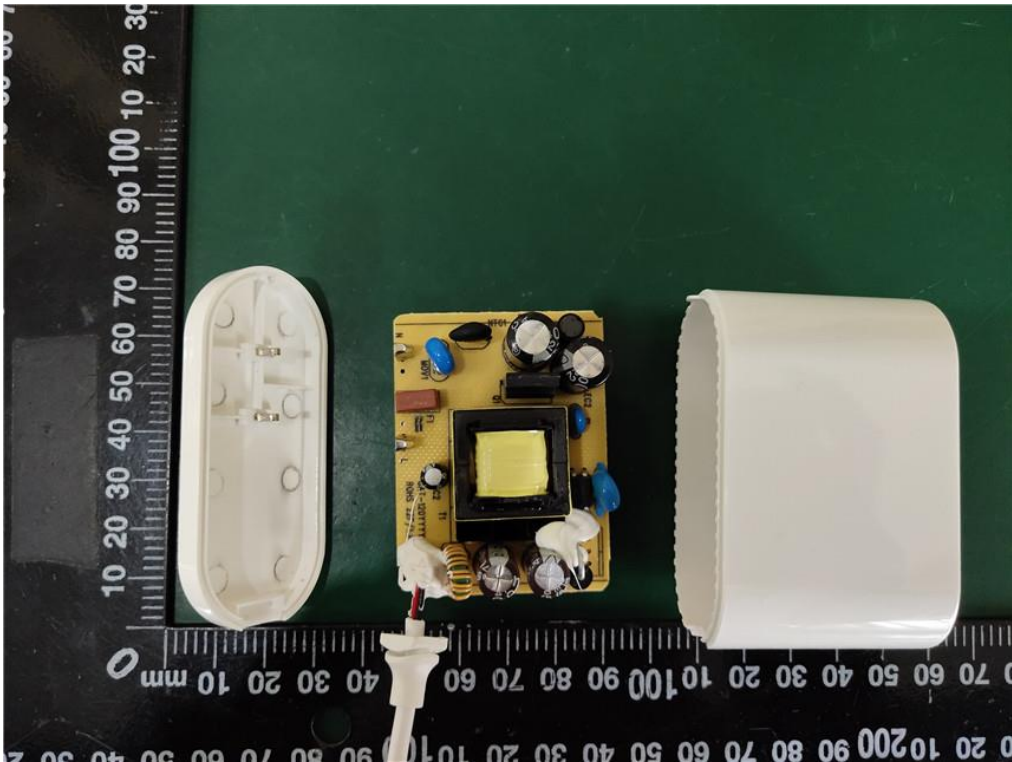


Figure 3. Internal view of unit

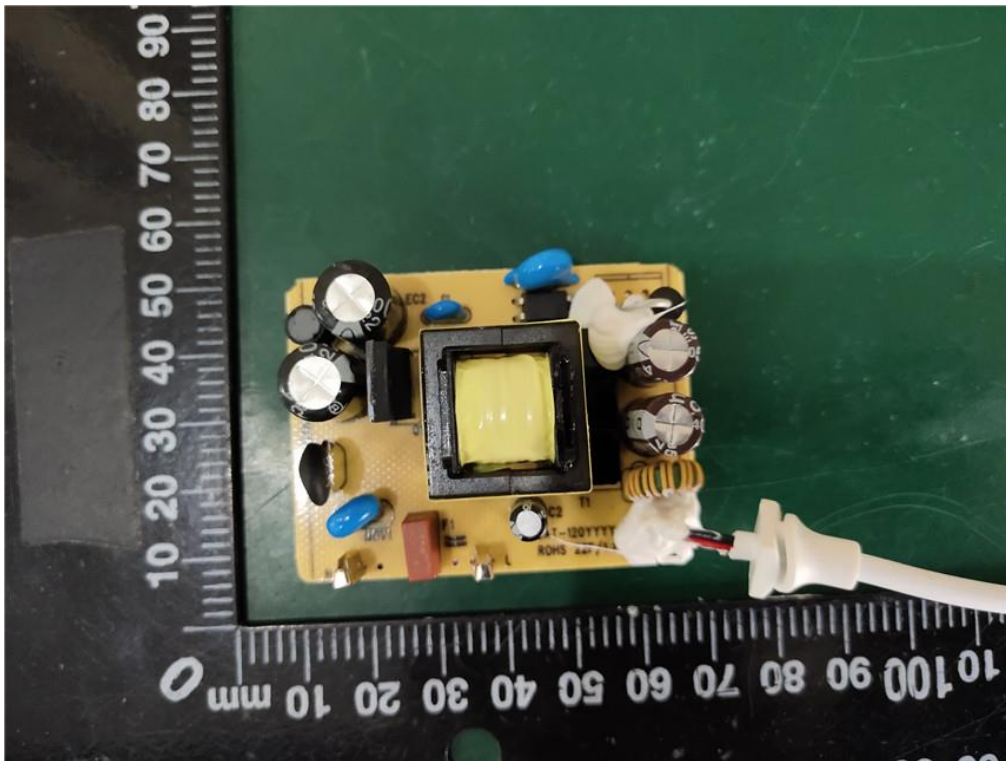


Figure 4. Top view of PCB

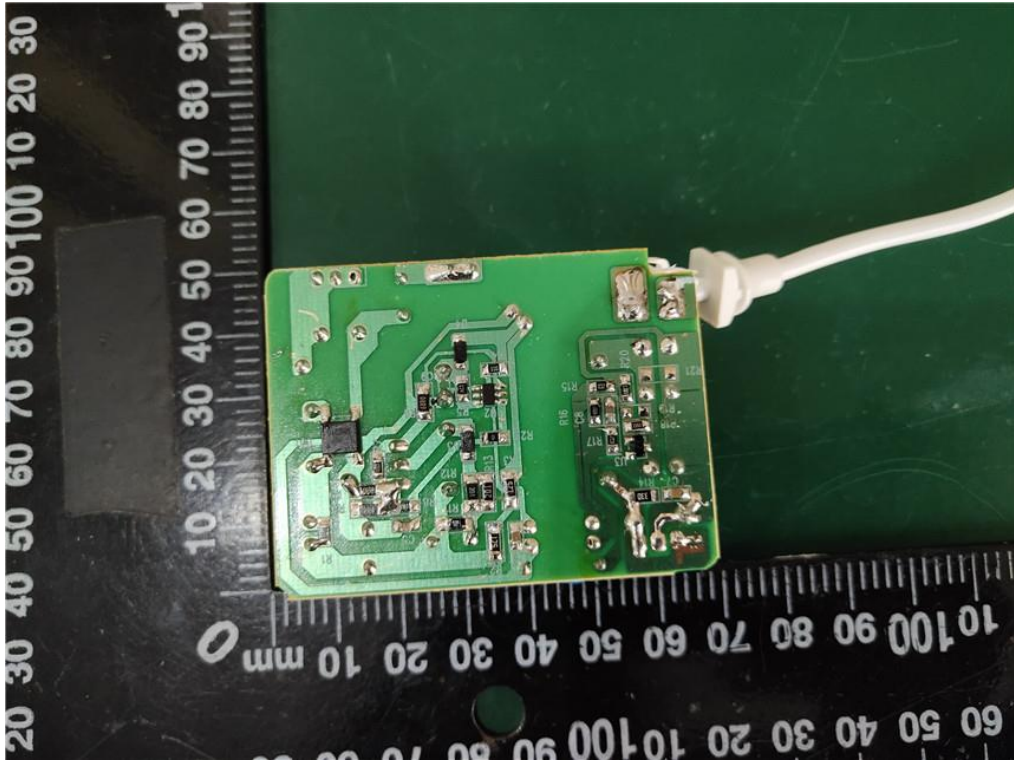


Figure 5. Bottom view of PCB