

FCC SDoC / ISED TEST REPORT

for

Channel Well Technology Co., Ltd.

AC Adaptor

Prepared for : Channel Well Technology Co., Ltd.

Address : No.222, Sec. 2, Nankan Rd., Lujhu Township,
Taoyuan Hsien, 33855 Taiwan.

Prepared by : EST Technology Co., Ltd.

Address : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
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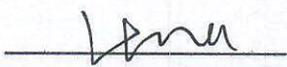
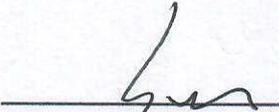
Report No. : ESTE-F1708022-2

Date of Report : Apr. 15, 2021

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EST Technology Co., Ltd.

| | | | |
|--|--|---|-----------------------|
| Applicant: | Channel Well Technology Co., Ltd. | | |
| Address: | No.222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan Hsien, 33855 Taiwan. | | |
| Manufacturer: | Channel Well Technology Co., Ltd. | | |
| Address: | No.222, Sec. 2, Nankan Rd., Lujhu Township, Taoyuan Hsien, 33855 Taiwan. | | |
| E.U.T: | AC Adaptor | | |
| Model Number: | KPL-xy-KV, KPL-xy-II, KPL-xy, KPL-xy-VI (x,y are variable, Please see section 1.3 of the report) | | |
| Trade Name: |  | | |
| Date of Receipt: | Jul. 14, 2017 | Date of Test: | Jul. 14~Aug. 10, 2017 |
| Test Specification: | FCC Part 15 Subpart B Class B:2020 ICES-003 Issue 7:2020 ANSI C63.4-2014 amended as per ANSI C63.4a-2017 | | |
| Test Result: | The equipment under test was found to be compliance with the requirements of the standards applied. | | |
| | | Issue Date: | Apr. 15, 2021 |
| Prepared by: | Reviewed by: | Approved by:  | |
|  _____ Lena / Assistant |  _____ Sean / Engineer |  _____ Iceman Hu / Manager | |
| Other Aspects: | This report base on the previous report with report number: ESTE-F1708022-1, The FCC Part 15 Subpart B Class B:2016 standard had been updated to FCC Part 15 Subpart B Class B:2020; The ICES-003:2016 standard had been updated to ICES-003 Issue 7:2020. | | |
| <i>Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested</i> | | | |
| <i>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.</i> | | | |

1. GENERAL PRODUCT INFORMATION

1.1. Product Function

Refer to Technical Construction Form and User Manual.

1.2. Description of Device (EUT)

| | |
|----------------------|---|
| Description | : AC Adaptor |
| Model No. | : KPL065U-KV, KPL066F-KV |
| System Input Voltage | : AC 100V-240V , 50/60Hz, 1.7A |
| Output | : KPL066F-KV: DC 12V, 5.5A, 66W KPL065U-KV: DC 56V, 1.16A, 65W |
| AC Line | : Unshielded, Detachable 1.2 m |
| DC Line | : Shielded, Undetachable 12 m, Core |

1.3. Difference between Model Numbers

KPL-xy

x represents the output wattage; x = 048, 066

y represents the output voltage; y = F

KPL-xy-VI or KPL-xy-II or KPL-xy-KV

x represents the output wattage; x = 030, 040, 048, 050, 060, 065, 066

y represents the output voltage; y = F, G, V, H, I, W, J, K, L, N, Q, R, M, A, S, T, P, U

| x = O/P Wattage (W) | y = O/P Voltage | DC Output Voltage (V) | AC Input Voltage (VAC) | AC Input Current (A) | AC Input Frequency (Hz) |
|---------------------------------|-----------------------|-----------------------------|------------------------------|----------------------------|-------------------------------|
| 040, 048, 050, 060, 065, 066 | F | 12 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060 | G | 13 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060 | V | 14 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060 | H | 15 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060 | I | 16 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060 | W | 17 | 100-240 | 1.7 | 50/60 |
| 040, 050, 065 | J | 18 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060, 065 | K | 19 | 100-240 | 1.7 | 50/60 |
| 040, 050, 065 | L | 20 | 100-240 | 1.7 | 50/60 |
| 040, 050, 065 | N | 21 | 100-240 | 1.7 | 50/60 |
| 040, 050, 065 | Q | 22 | 100-240 | 1.7 | 50/60 |
| 040, 050, 065 | R | 23 | 100-240 | 1.7 | 50/60 |
| 040, 050, 060, 065 | M | 24 | 100-240 | 1.7 | 50/60 |
| 040, 060, 060, 0.65 | A | 36 | 100-240 | 1.7 | 50/60 |
| 030, 050, 060, 065 | S | 48 | 100-240 | 1.7 | 50/60 |
| 030, 050, 060, 065 | T | 52 | 100-240 | 1.7 | 50/60 |
| 030, 050, 060, 065 | P | 54 | 100-240 | 1.7 | 50/60 |
| 030, 050, 060, 065 | U | 56 | 100-240 | 1.7 | 50/60 |

| O/P Voltage (y =) | O/P Voltage (V) | DC Output Current @ O/P Wattage 30W | DC Output Current @ O/P Wattage 40W | DC Output Current @ O/P Wattage 48W | DC Output Current @ O/P Wattage 50W | DC Output Current @ O/P Wattage 60W | DC Output Current @ O/P Wattage 65W | DC Output Current @ O/P Wattage 66W |
|-------------------|-----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| F | 12 | --- | 3.33 | 4.00 | 4.17 | 5.00 | 5.42 | 5.50 |
| G | 13 | --- | 3.08 | --- | 3.85 | 4.62 | --- | --- |
| V | 14 | --- | 2.86 | --- | 3.57 | 4.29 | --- | --- |
| H | 15 | --- | 2.67 | --- | 3.33 | 4.00 | --- | --- |
| I | 16 | --- | 2.50 | --- | 3.13 | 3.75 | --- | --- |
| W | 17 | --- | 2.35 | --- | 2.94 | 3.53 | --- | --- |
| J | 18 | --- | 2.22 | --- | 2.78 | --- | 3.61 | --- |
| K | 19 | --- | 2.11 | --- | 2.63 | 3.16 | 3.42 | --- |
| L | 20 | --- | 2.00 | --- | 2.50 | --- | 3.25 | --- |
| N | 21 | --- | 1.90 | --- | 2.38 | --- | 3.10 | --- |
| Q | 22 | --- | 1.82 | --- | 2.27 | --- | 2.95 | --- |
| R | 23 | --- | 1.74 | --- | 2.17 | --- | 2.83 | --- |
| M | 24 | --- | 1.67 | --- | 2.08 | 2.50 | 2.71 | --- |
| A | 36 | --- | 1.11 | --- | 1.39 | 1.67 | 1.81 | --- |
| S | 48 | 0.66 | --- | --- | 1.04 | 1.25 | 1.35 | --- |
| T | 52 | 0.58 | --- | --- | 0.96 | 1.15 | 1.25 | --- |
| P | 54 | 0.56 | --- | --- | 0.93 | 1.11 | 1.20 | --- |
| U | 56 | 0.54 | --- | --- | 0.89 | 1.07 | 1.16 | --- |

1.4. Independent Operation Modes

The basic operation modes are:

1.4.1. Full Load

1.4.2. Half Load

1.4.3. No Load

2. TEST SITES

2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below

| EMISSION | | | |
|--|-----------------------------------|--|---------|
| Description of Test Item | Standard | Limits | Results |
| Conducted disturbance at mains terminals | FCC Part 15:2020 ICES-003:2020 | Class B | PASS |
| | | Minimum passing margin is 11.01dB at 1.80MHz | |
| Radiated Emission Test | FCC Part 15:2020 ICES-003:2020 | Class B | PASS |
| | | Minimum passing margin is 8.69dB at 34.85MHz | |

2.2. Test Facilities

| | | |
|---------------|---|---|
| EMC Lab | : | Certificated by CNAS, CHINA Registration No.: L5288 This Certificate is valid until: November 12, 2023 Certificated by FCC, USA Designation Number: CN1215 This Certificate is valid until: January 31, 2022 Certificated by A2LA, USA Registration No.: 4366.01 This Certificate is valid until: January 31, 2022 Certificated by Industry Canada CAB identifier No.: CN0035 This Certificate is valid until: January 31, 2022 Certificated by VCCI, Japan Registration No.:C-14103; T-20073; R-13663; R-20103; G-20097 Date of registration: Apr. 20, 2020 This Certificate is valid until: Apr. 19, 2023 Certificated by TUV Rheinland, Germany Registration No.: UA 50413872 0001 Date of registration: July 31, 2018 Certificated by Intertek Registration No.: 2011-RTL-L2-64 Date of registration: November 08, 2018 |
| Name of Firm | : | EST Technology Co., Ltd. |
| Site Location | : | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China |

2.3. List of Test and Measurement Instruments

2.3.1. For conducted emission at the mains terminals test (2# conduction)

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|--------------------------|-----------------|--------------|------------|------------|-----------|
| EMI Test Receiver | Rohde & Schwarz | ESPR3 | EST-E070 | June 13,20 | 1 Year |
| Artificial Mains Network | Rohde & Schwarz | ENV216 | EST-E048 | June 13,20 | 1 Year |
| Test Software | Audix | e3-6.111221a | N/A | N/A | N/A |

2.3.2. For radiated emission test (2# 966 radiation)

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-------------------|-----------------|--------------|------------|------------|-----------|
| EMI Test Receiver | Rohde & Schwarz | ESCI3 | EST-E071 | June 13,20 | 1 Year |
| Bilog Antenna | Teseq | CBL 6111D | EST-E053 | June 13,20 | 1 Year |
| Test Software | Audix | e3-6.111221a | N/A | N/A | N/A |

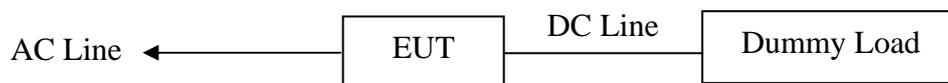
2.1. TEST SET-UP AND OPERATION MODES

2.2. Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

2.3. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators



(EUT: AC Adaptor)

2.4. Test Operation Mode and Test Software

Refer to Test Setup in clause 4.

2.5. Special Accessories and Auxiliary Equipment

None.

2.6. Countermeasures to Achieve EMC Compliance

None.

3. EMISSION TEST RESULTS

3.1. Conducted Emission at the Mains Terminals Test

RESULT : **Pass**
Test Procedure : ANSI C63.4-2014 amended as per ANSI C63.4a-2017
Frequency Range : 0.15 to 30MHz
Test Site : Shielded Room
Limits : FCC Part 15:2020 Class B / ICES-003:2020 Class B

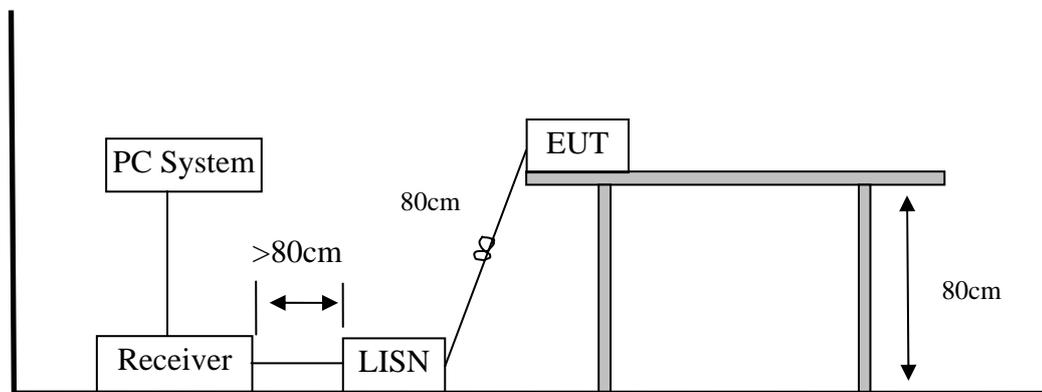
Test Setup

Date of Test : Aug. 03, 2017
M/N : KFL065U-KV, KFL066F-KV
Input Voltage : AC 120V/60Hz, AC 240V/50Hz
Operation Mode : Full Load, Half Load, No Load

The frequency range from 150 kHz to 30 MHz was investigated.

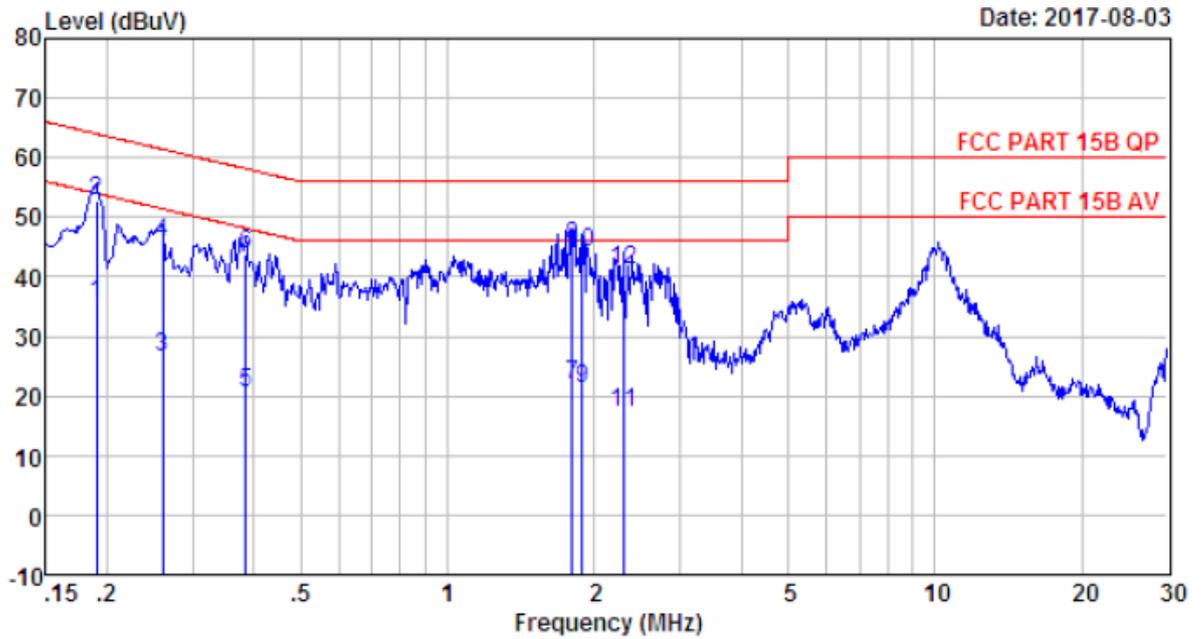
The bandwidth of the test receiver was set at 9 kHz.

The test data of the worst case condition(s) was reported on the following page.



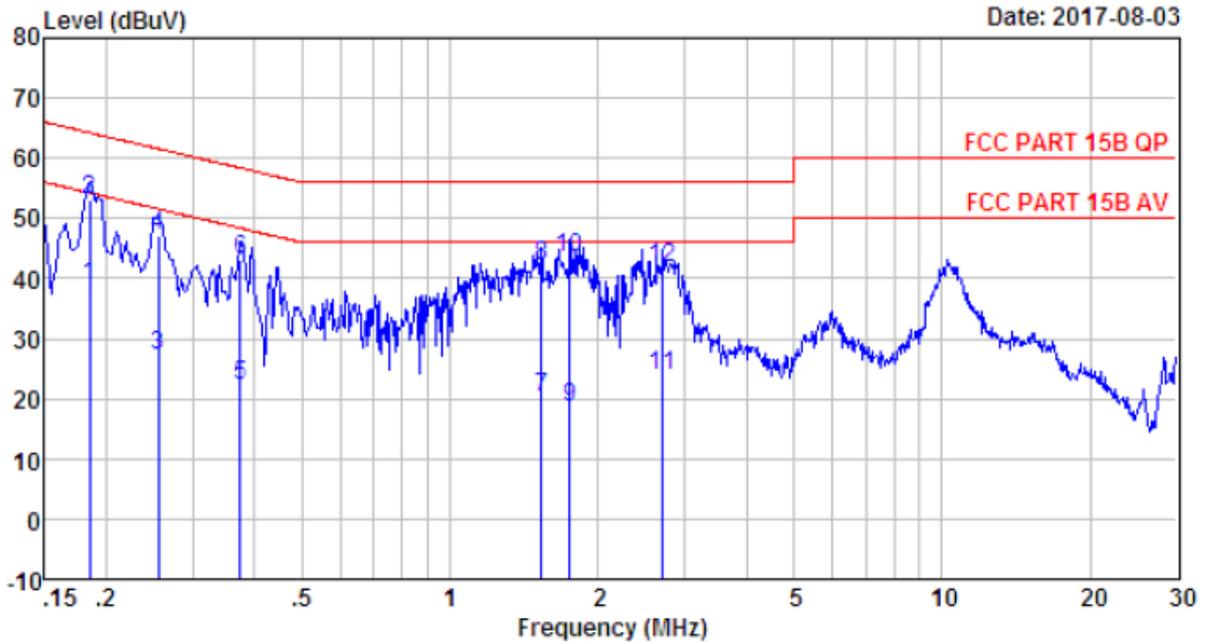
Note: Measurement Uncertainty: ± 2.54 dB at a level of confidence of 95%.

Test Data



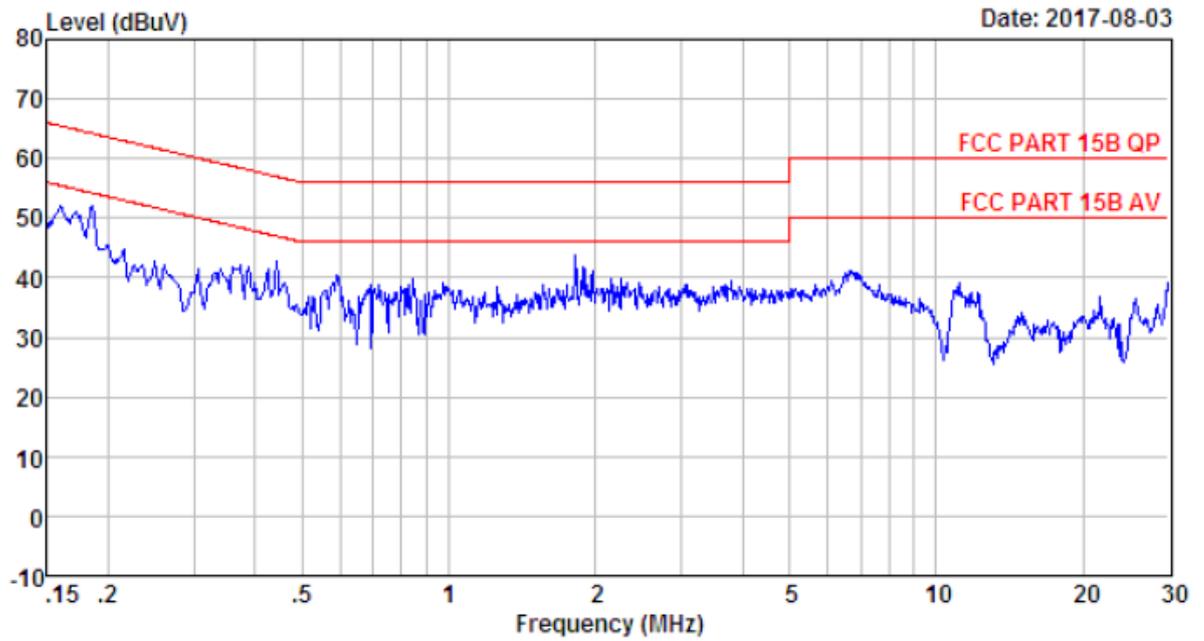
Site no : 2# Conduction Shield Room Data no. : 43
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Full Load (Output:12V/5.5A)
 Construction 2

| | Freq. (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV) | Limits (dBuV) | Margin (dB) | Remark |
|----|-------------|------------------|-----------------|----------------|-----------------------|---------------|-------------|---------|
| 1 | 0.19 | 9.50 | 0.04 | 26.10 | 35.64 | 54.02 | 18.38 | Average |
| 2 | 0.19 | 9.50 | 0.04 | 43.16 | 52.70 | 64.02 | 11.32 | QP |
| 3 | 0.26 | 9.51 | 0.04 | 17.01 | 26.56 | 51.42 | 24.86 | Average |
| 4 | 0.26 | 9.51 | 0.04 | 36.08 | 45.63 | 61.42 | 15.79 | QP |
| 5 | 0.39 | 9.54 | 0.05 | 11.00 | 20.59 | 48.17 | 27.58 | Average |
| 6 | 0.39 | 9.54 | 0.05 | 34.09 | 43.68 | 58.17 | 14.49 | QP |
| 7 | 1.80 | 9.55 | 0.06 | 12.31 | 21.92 | 46.00 | 24.08 | Average |
| 8 | 1.80 | 9.55 | 0.06 | 35.38 | 44.99 | 56.00 | 11.01 | QP |
| 9 | 1.89 | 9.55 | 0.06 | 11.60 | 21.21 | 46.00 | 24.79 | Average |
| 10 | 1.89 | 9.55 | 0.06 | 34.65 | 44.26 | 56.00 | 11.74 | QP |
| 11 | 2.30 | 9.55 | 0.06 | 7.50 | 17.11 | 46.00 | 28.89 | Average |
| 12 | 2.30 | 9.55 | 0.06 | 31.57 | 41.18 | 56.00 | 14.82 | QP |

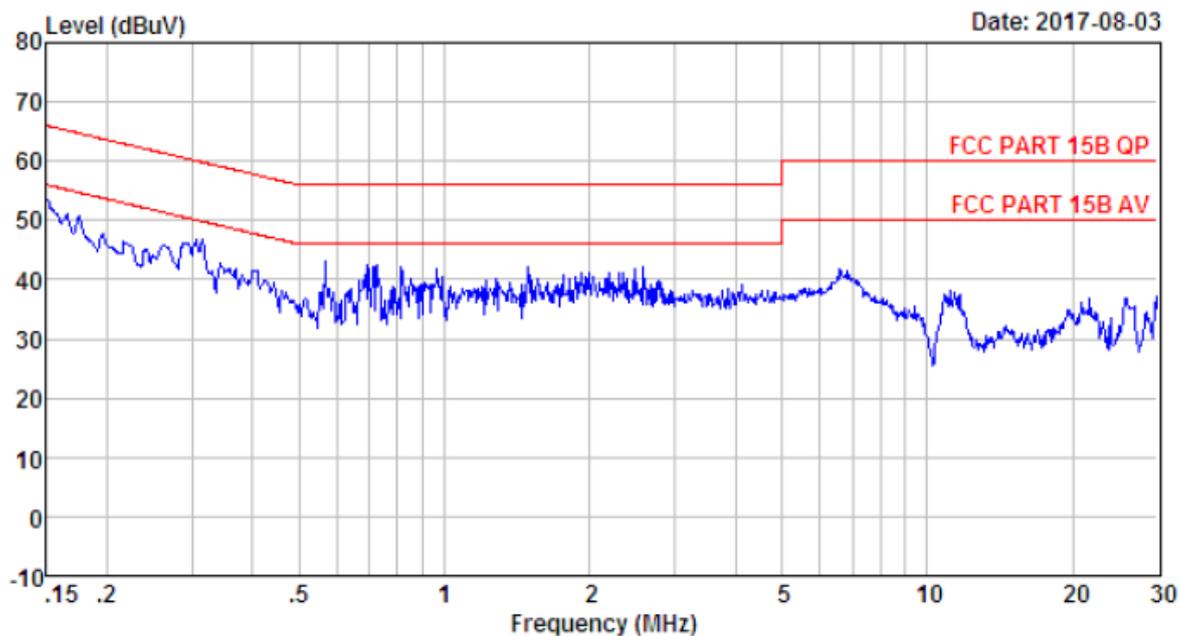


Site no : 2# Conduction Shield Room Data no. : 41
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output:12V/5.5A)
 Construction 2

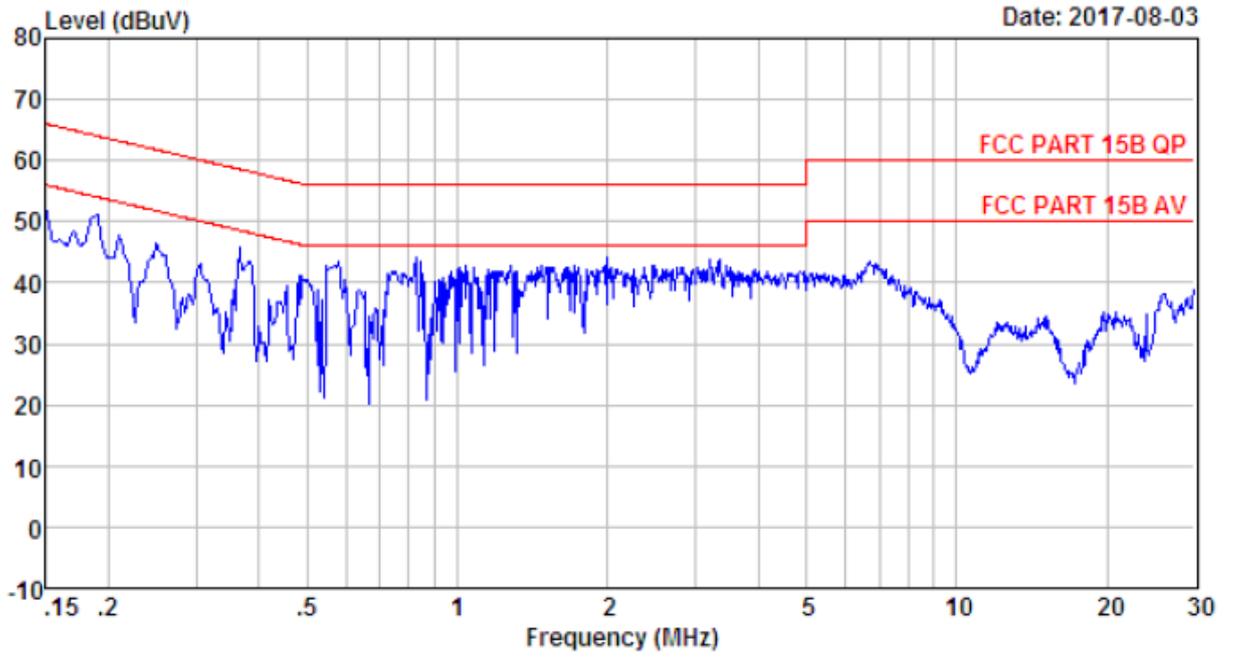
| | Freq. (MHz) | LISN Factor (dB) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV) | Limits (dBuV) | Margin (dB) | Remark |
|----|----------------|------------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1 | 0.19 | 9.55 | 0.04 | 29.30 | 38.89 | 54.24 | 15.35 | Average |
| 2 | 0.19 | 9.55 | 0.04 | 43.35 | 52.94 | 64.24 | 11.30 | QP |
| 3 | 0.25 | 9.55 | 0.04 | 17.60 | 27.19 | 51.60 | 24.41 | Average |
| 4 | 0.25 | 9.55 | 0.04 | 37.70 | 47.29 | 61.60 | 14.31 | QP |
| 5 | 0.38 | 9.54 | 0.05 | 12.59 | 22.18 | 48.39 | 26.21 | Average |
| 6 | 0.38 | 9.54 | 0.05 | 33.63 | 43.22 | 58.39 | 15.17 | QP |
| 7 | 1.54 | 9.55 | 0.06 | 10.50 | 20.11 | 46.00 | 25.89 | Average |
| 8 | 1.54 | 9.55 | 0.06 | 32.51 | 42.12 | 56.00 | 13.88 | QP |
| 9 | 1.75 | 9.55 | 0.06 | 8.80 | 18.41 | 46.00 | 27.59 | Average |
| 10 | 1.75 | 9.55 | 0.06 | 33.83 | 43.44 | 56.00 | 12.56 | QP |
| 11 | 2.71 | 9.56 | 0.07 | 14.10 | 23.73 | 46.00 | 22.27 | Average |
| 12 | 2.71 | 9.56 | 0.07 | 32.16 | 41.79 | 56.00 | 14.21 | QP |



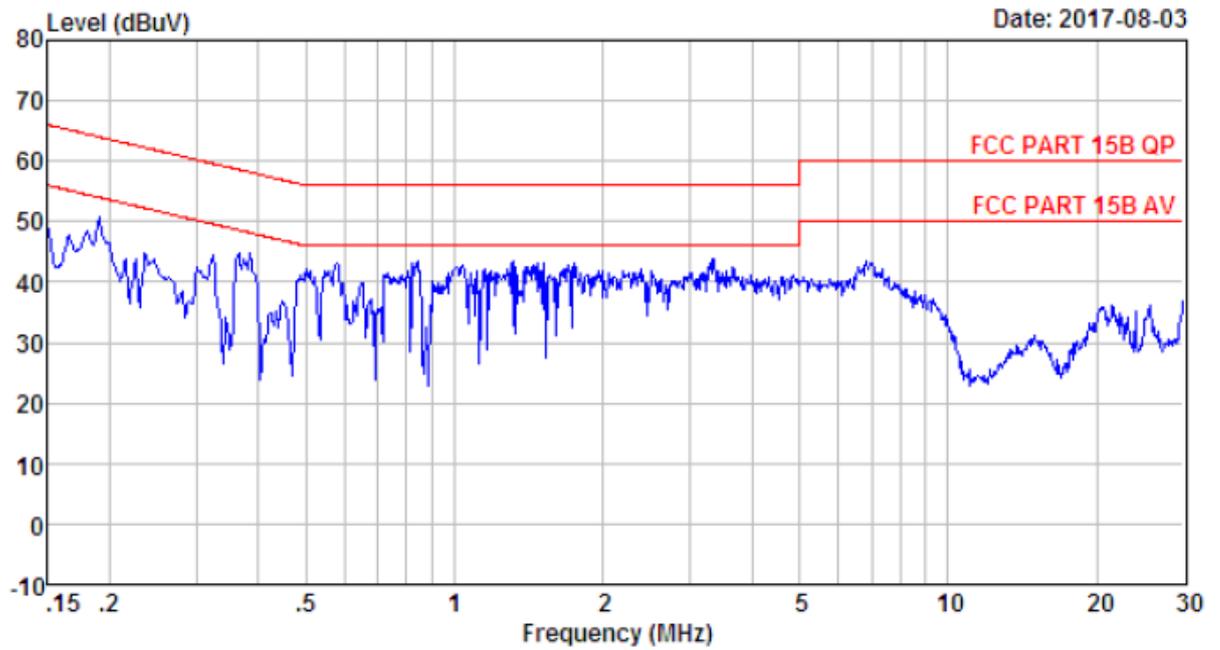
Site no : 2# Conduction Shield Room Data no. : 17
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 1



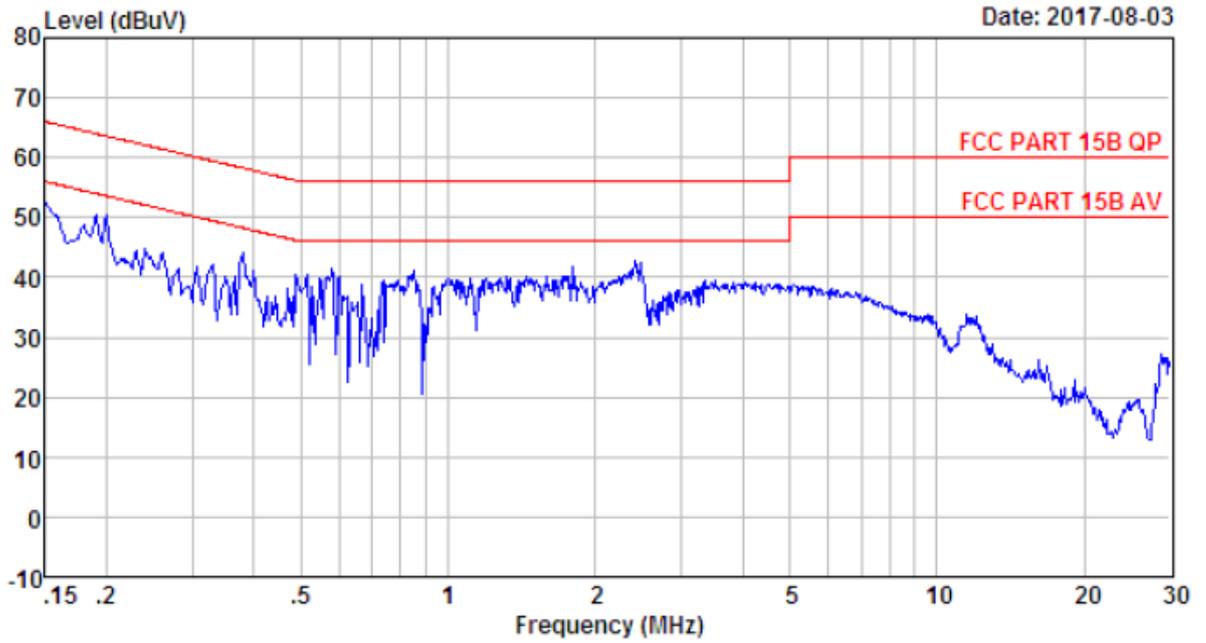
Site no : 2# Contuction Shield Room Data no. : 19
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 1



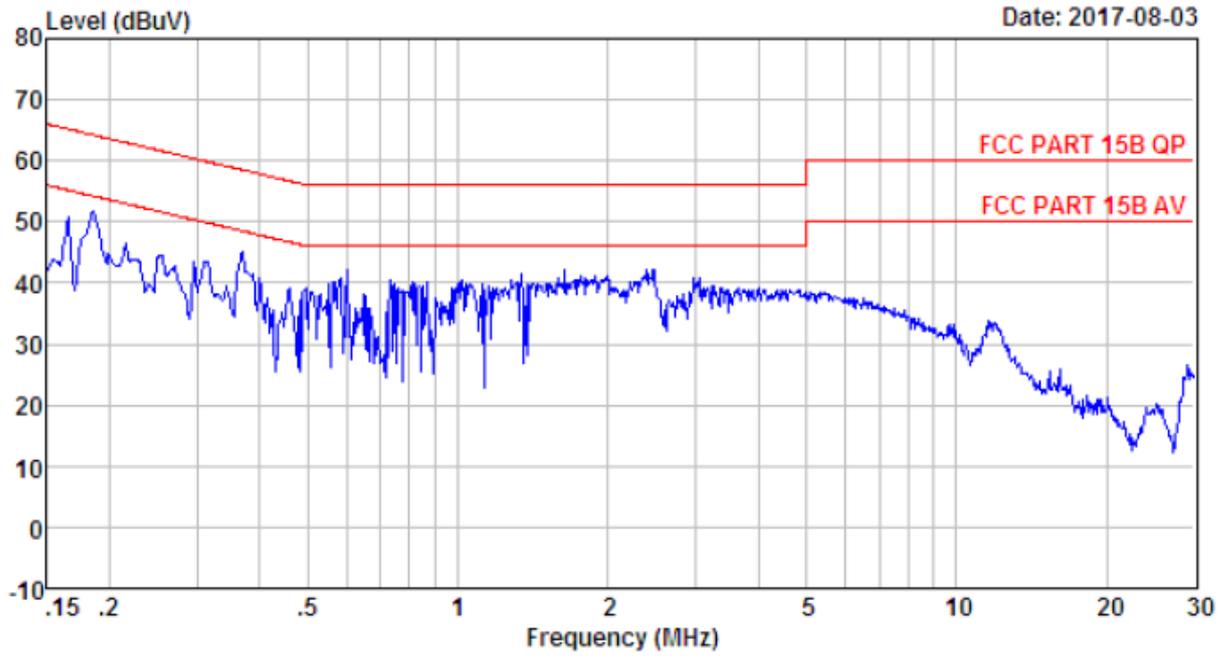
Site no : 2# Contuction Shield Room Data no. : 21
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 1



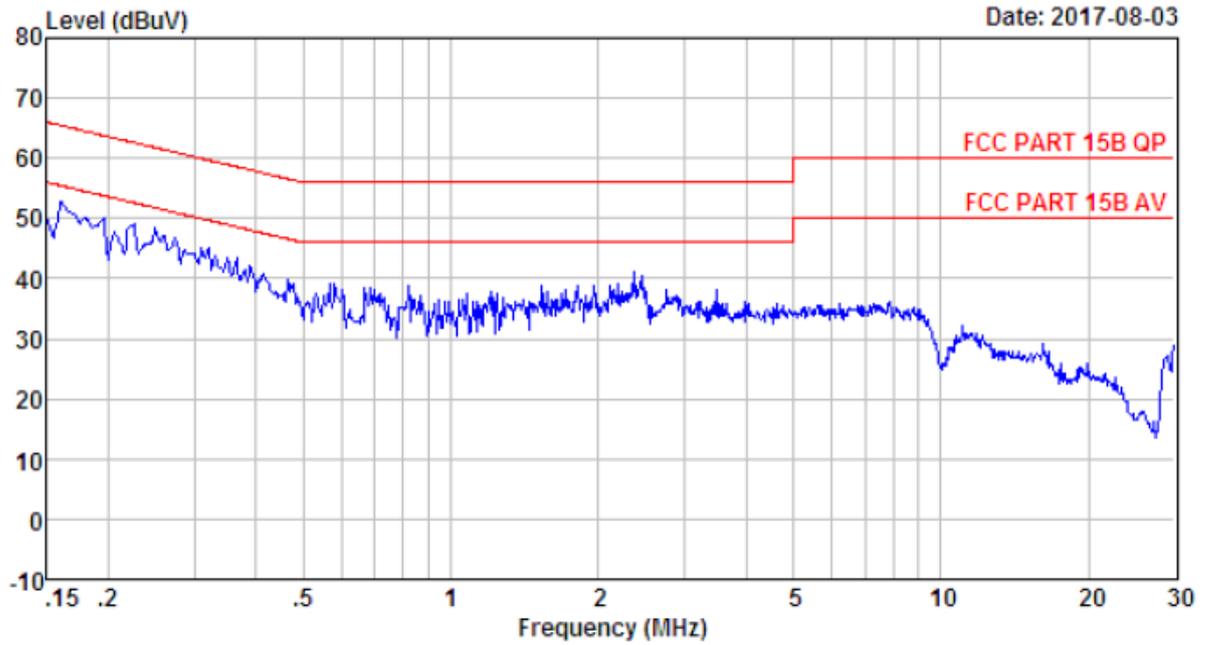
Site no : 2# Conduction Shield Room Data no. : 23
 Env. / Ins. : Temp:24.9°C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL065U-KV
 Test Mode : Full Load (Output:56V/1.16A)
 Construction 1



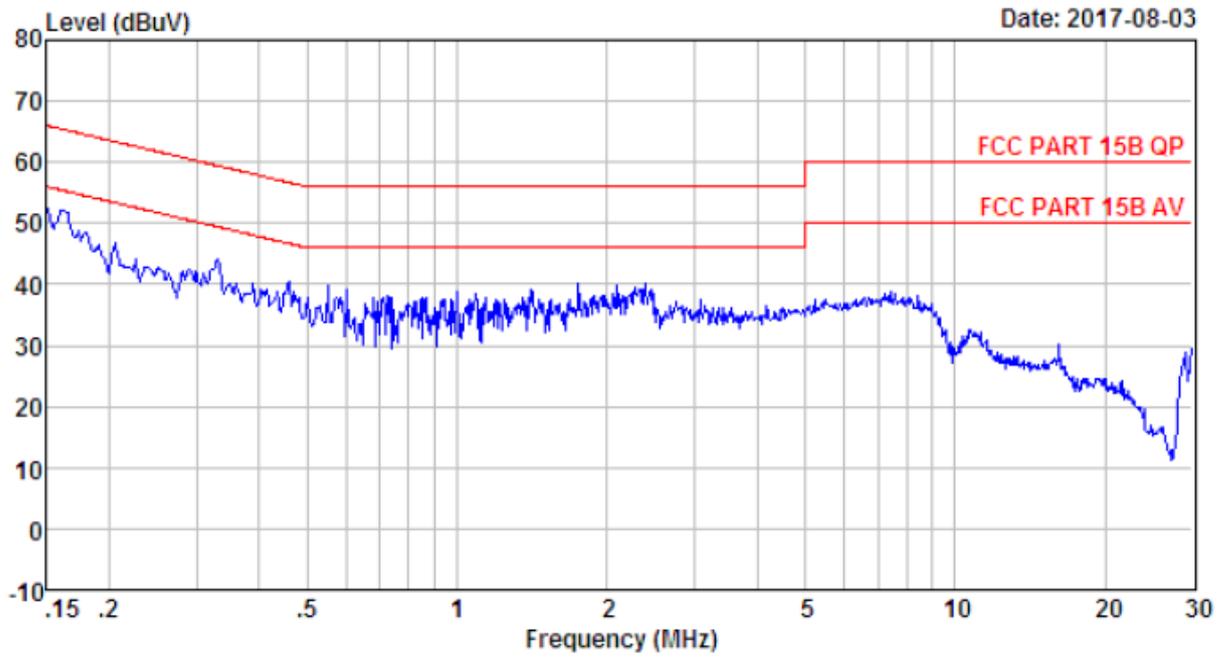
Site no : 2# Conduction Shield Room Data no. : 25
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 2



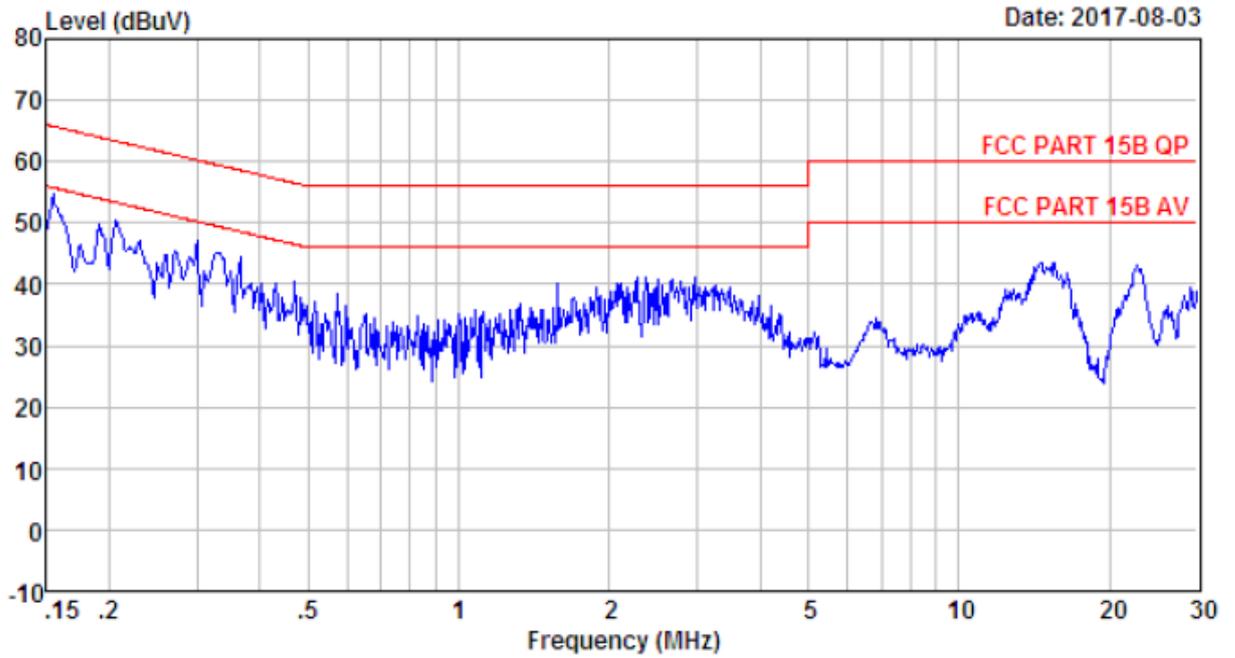
Site no : 2# Contuction Shield Room Data no. : 27
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 2



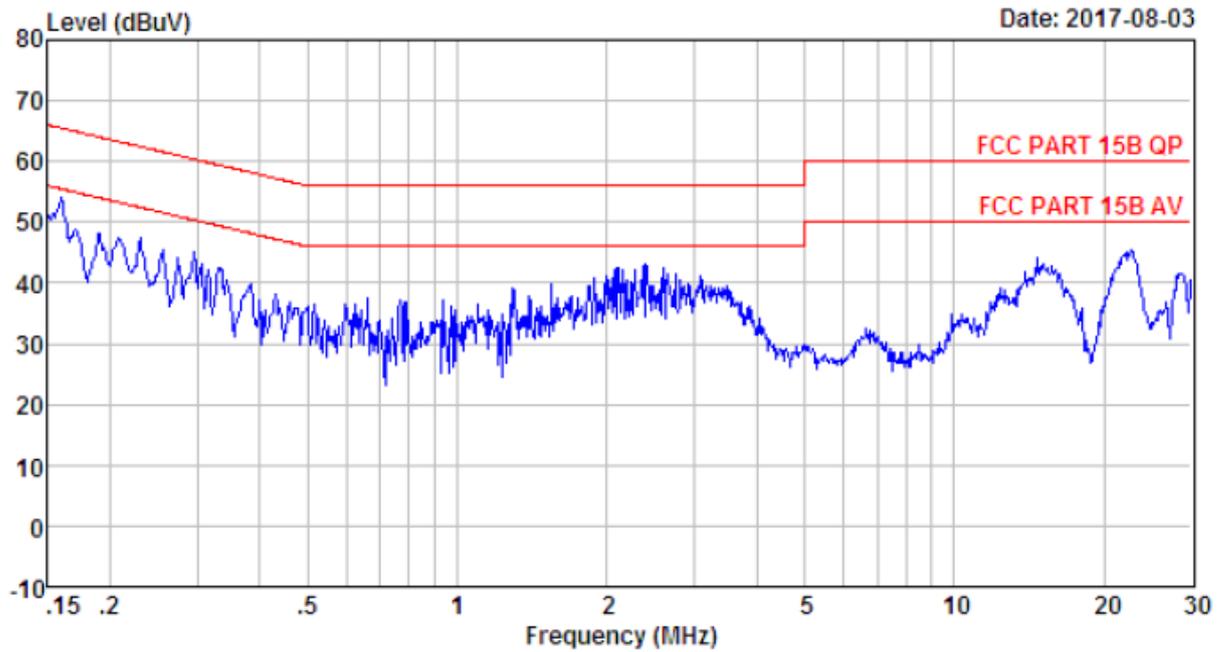
Site no : 2# Contuction Shield Room Data no. : 29
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL065U-KV
 Test Mode : Full Load (Output:56V/1.16A)
 Construction 2



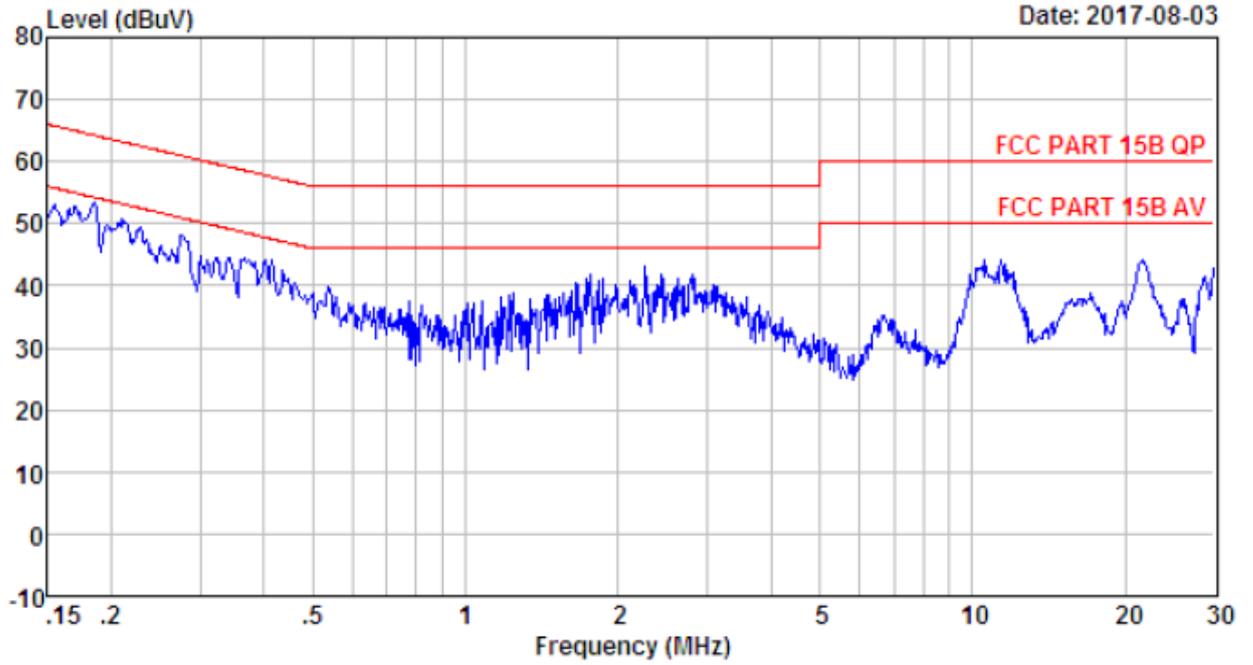
Site no : 2# Contuction Shield Room Data no. : 31
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL065U-KV
 Test Mode : Full Load(Output:56V/1.16A)
 Construction 2



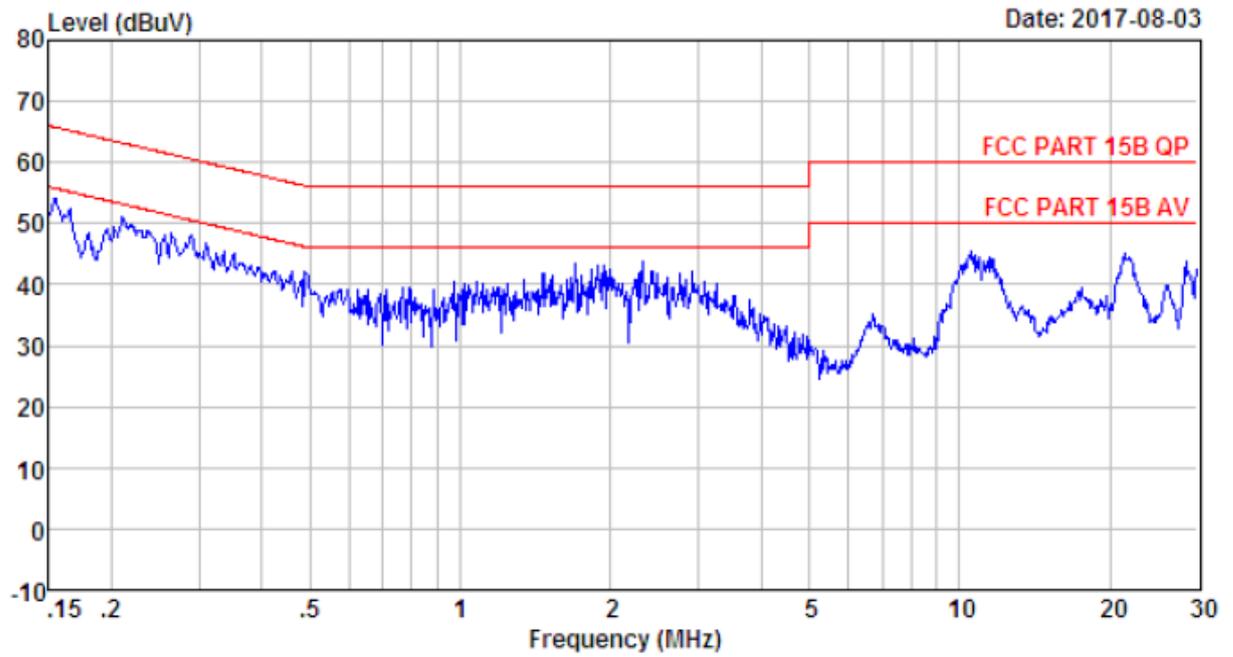
Site no : 2# Contuction Shield Room Data no. : 33
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Full Load (Output:12V/5.5A)
 Construction 1



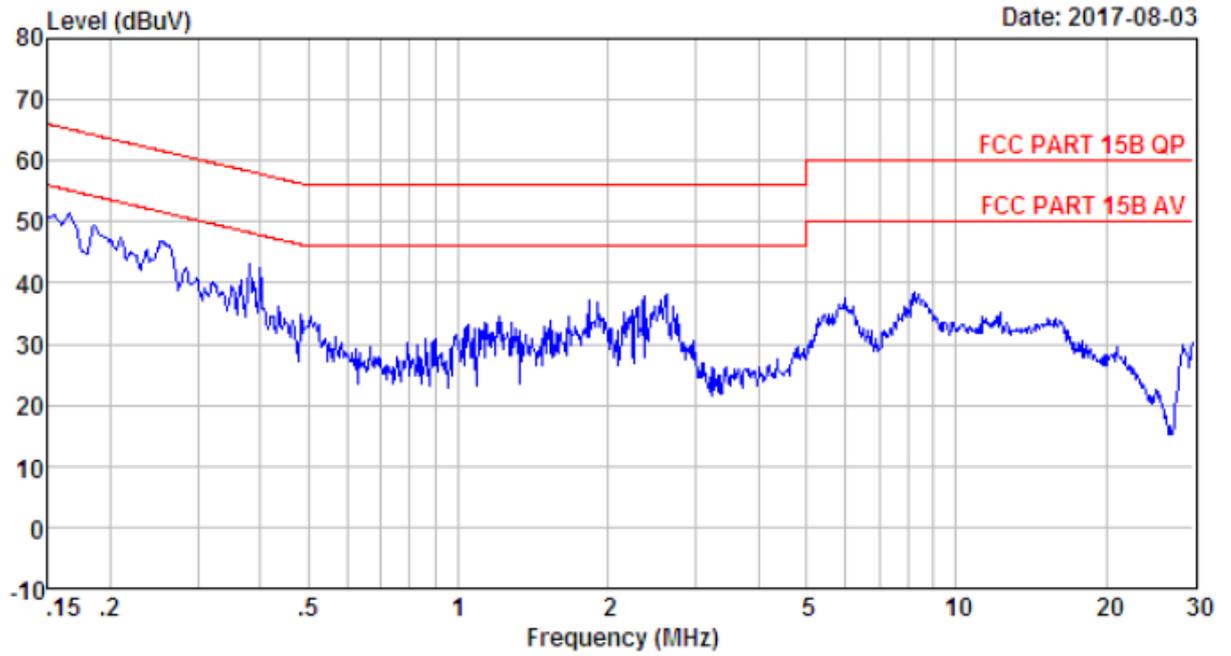
Site no : 2# Contuction Shield Room Data no. : 35
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output:12V/5.5A)
 Construction 1



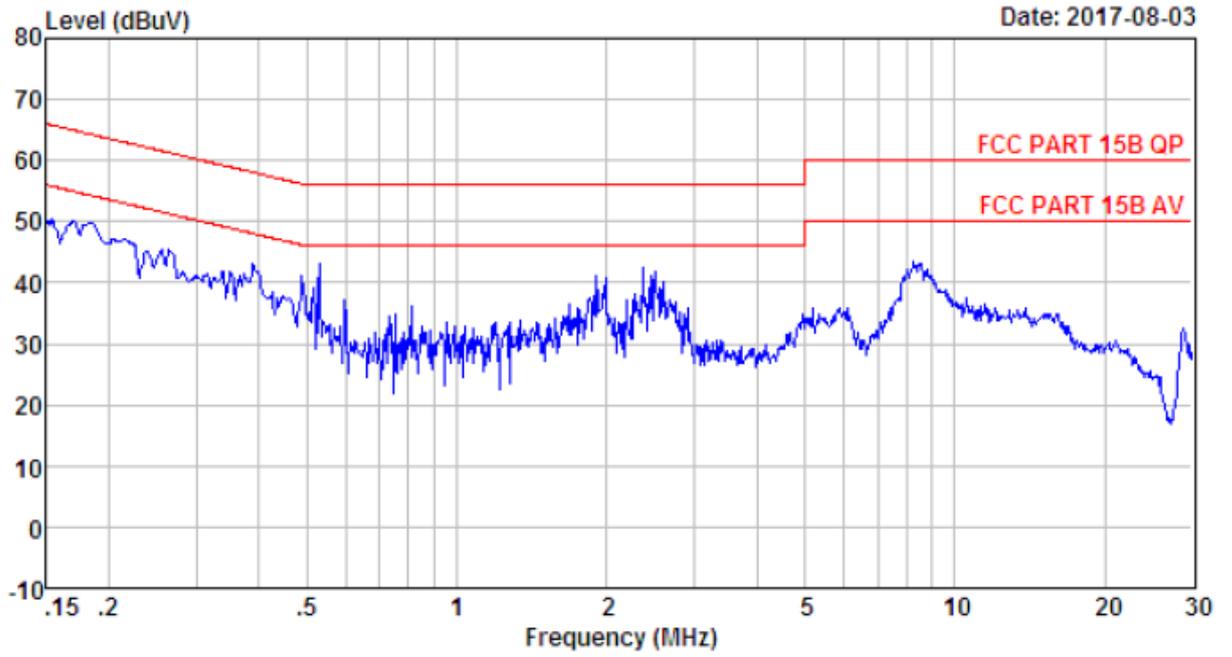
Site no : 2# Contuction Shield Room Data no. : 37
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load (Output:12V/5.5A)
 Construction 1



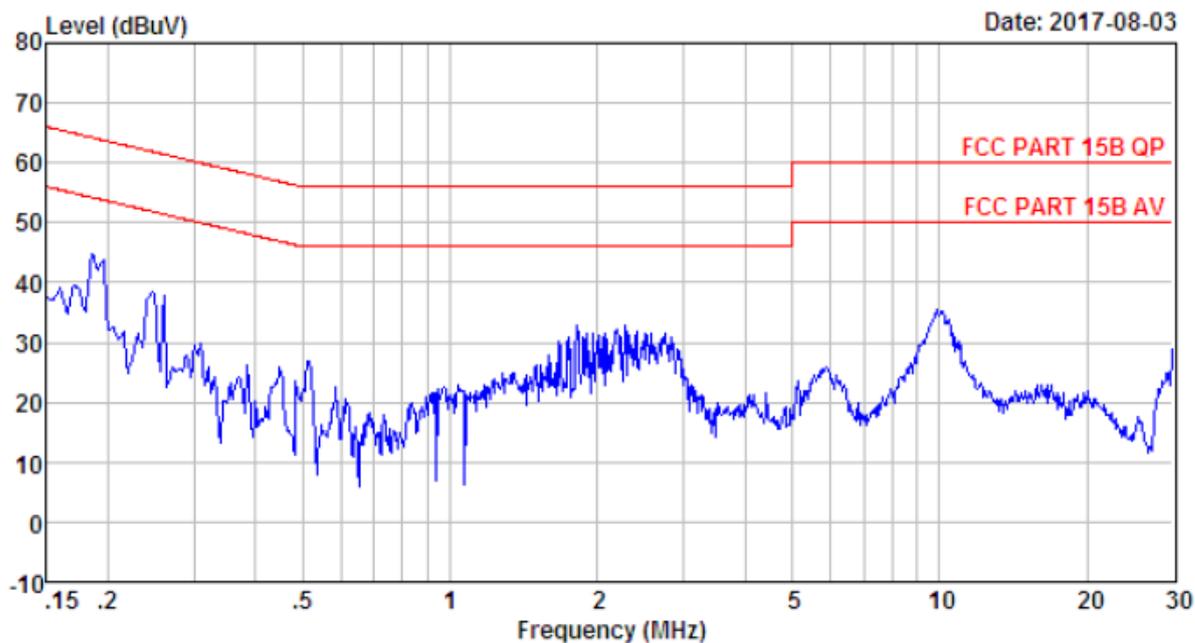
Site no : 2# Contuction Shield Room Data no. : 39
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load (Output:12V/5.5A)
 Construction 1



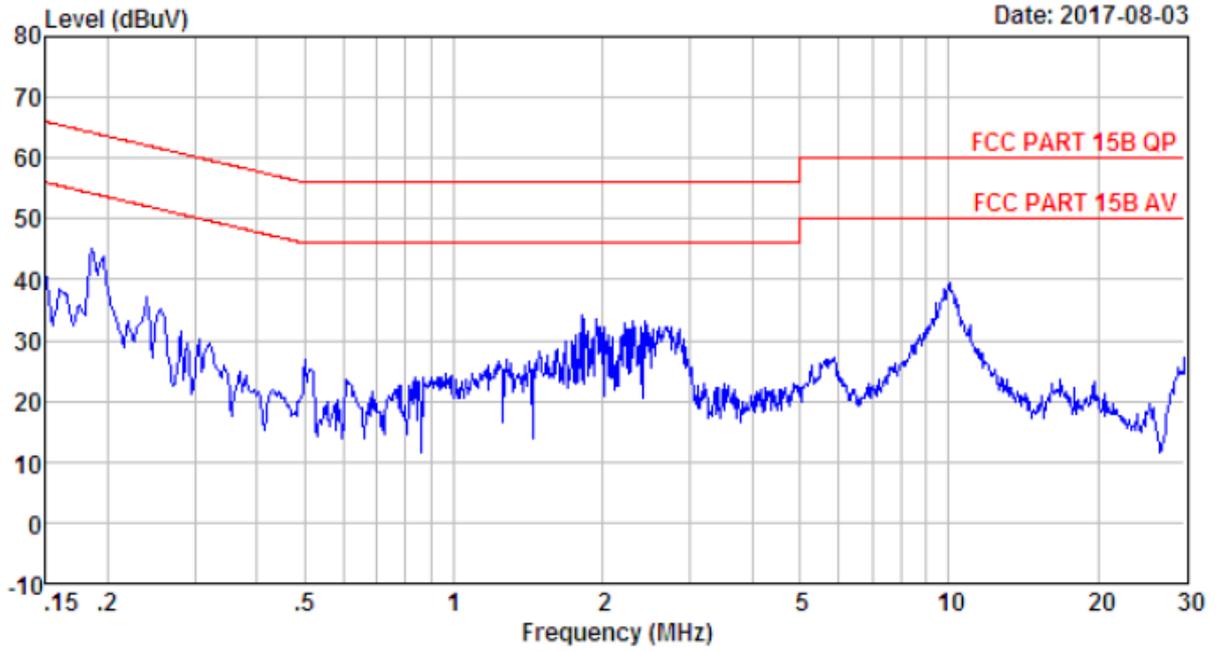
Site no : 2# Contuction Shield Room Data no. : 45
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output:12V/5.5A)
 Construction 2



Site no : 2# Conduction Shield Room Data no. : 47
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output:12V/5.5A)
 Construction 2



Site no : 2# Conduction Shield Room Data no. : 49
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : LINE
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Half Load (Output:12V/2.75A)
 Construction 2



Site no : 2# Contuction Shield Room Data no. : 51
 Env. / Ins. : Temp:24.9'C Humi:51.6% Press:101.50kPa INE Phase : NEUTRAL
 Limit : FCC PART 15B QP
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 240V/50Hz
 M/N : KPL066F-KV
 Test Mode : Half Load (Output:12V/2.75A)
 Construction 2

3.2. Radiated Emission Test

| | |
|-----------------|--|
| RESULT | : Pass |
| Test Procedure | : ANSI C63.4-2014 amended as per ANSI C63.4a-2017 |
| Frequency Range | : 30 to 1000 MHz |
| Test Site | : 966 Chamber |
| Limits | : FCC Part 15:2020 Class B / ICES-003:2020 Class B |

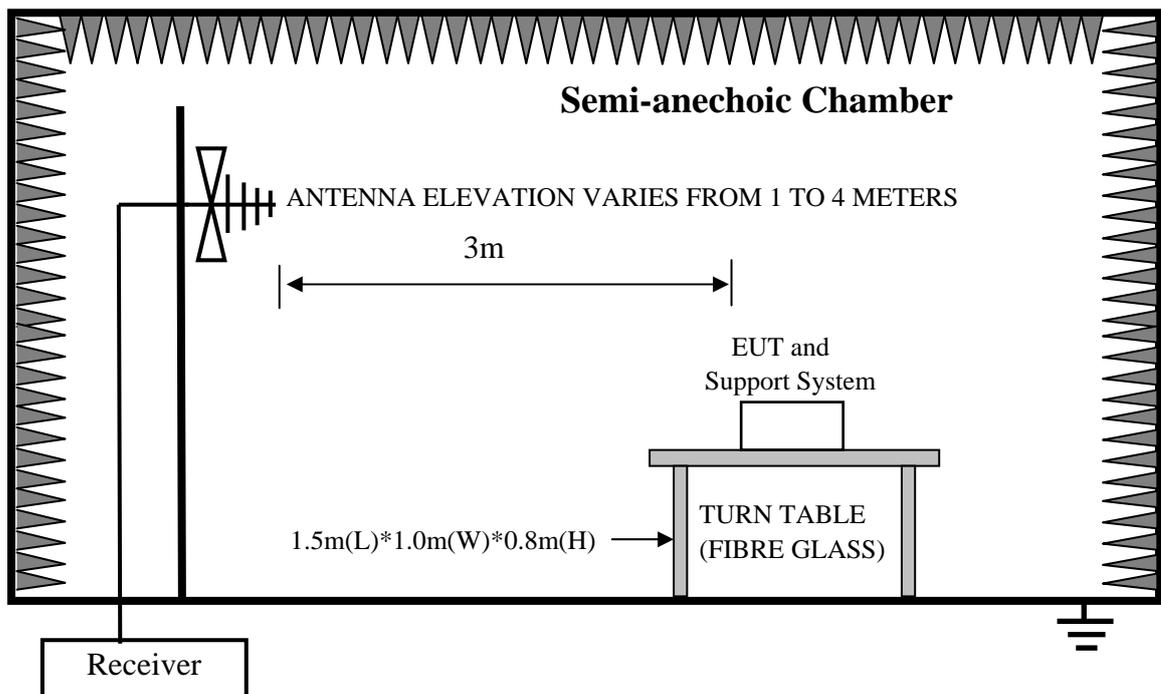
Test Setup

| | |
|----------------|---------------------------------|
| Date of Test | : Aug. 01, 2017 |
| M/N | : KFL065U-KV, KFL066F-KV |
| Input Voltage | : AC 120V/60Hz, AC 240V/50Hz |
| Operation Mode | : Full Load, Half Load, No Load |

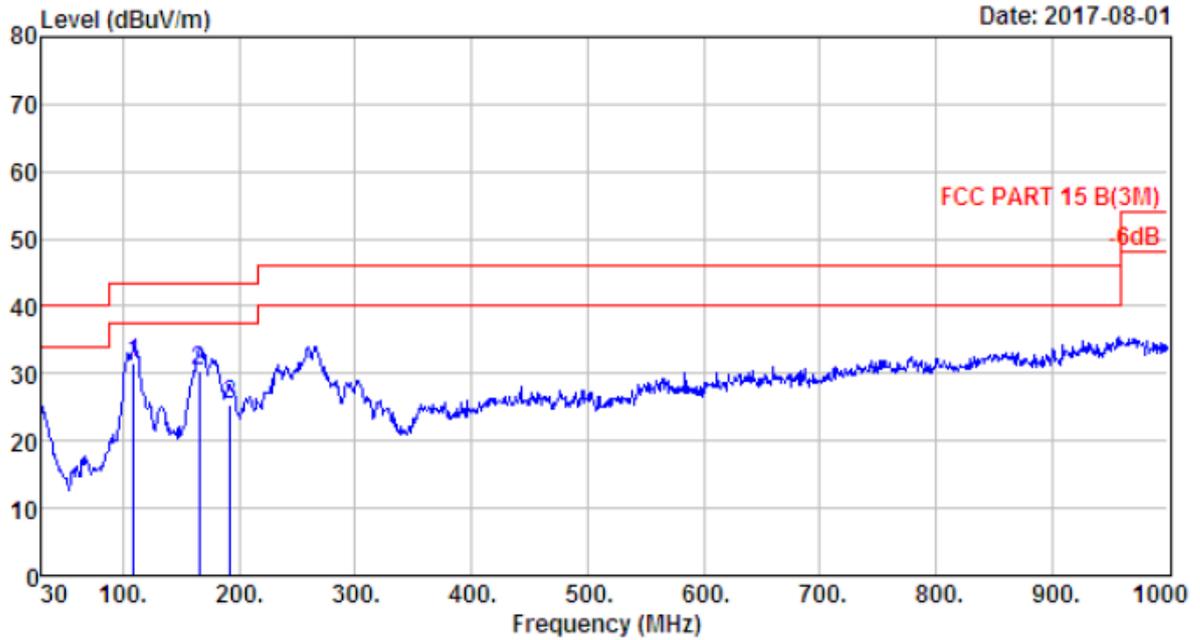
The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth setting on the test receiver was 120 kHz.

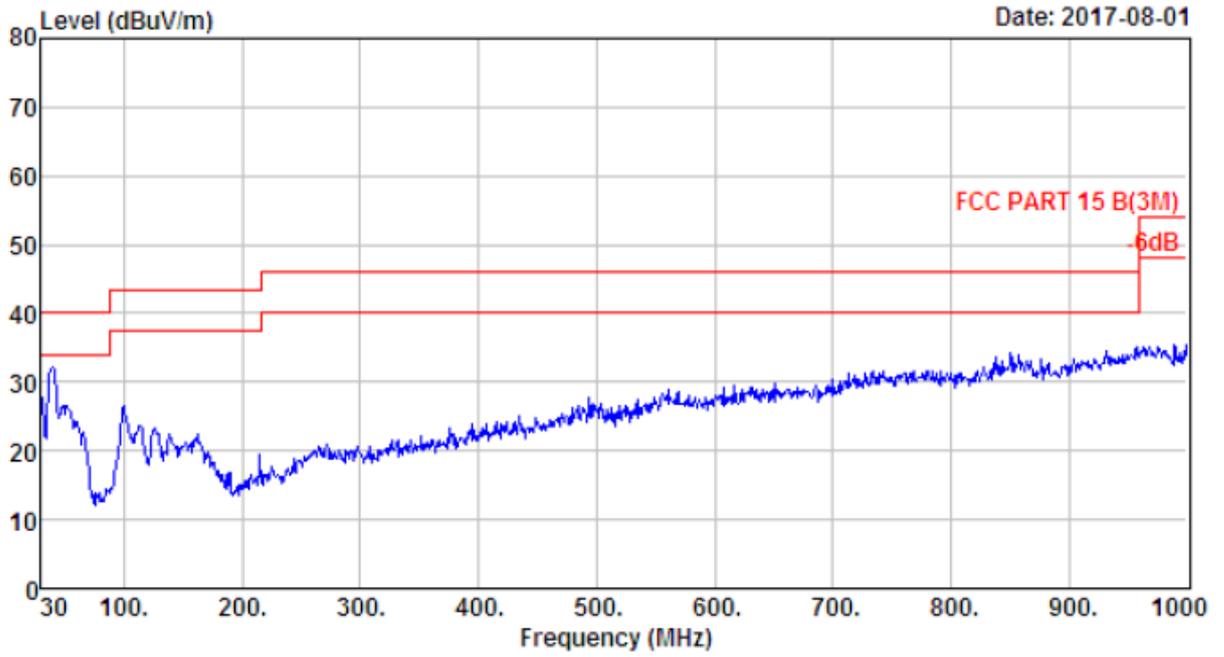


Note: Measurement Uncertainty: ± 3.62 dB at a level of confidence of 95%.

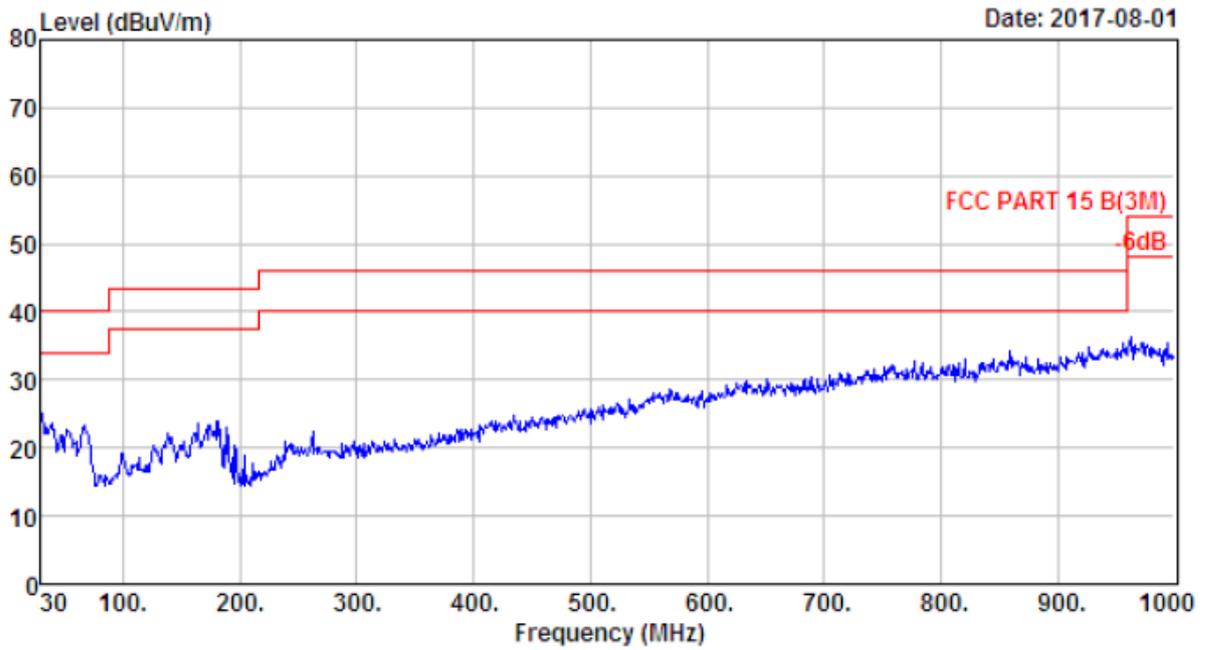


Site no. : 2# 966 chamber Data no. : 896
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output;12V/5.5A)
 Construction 1

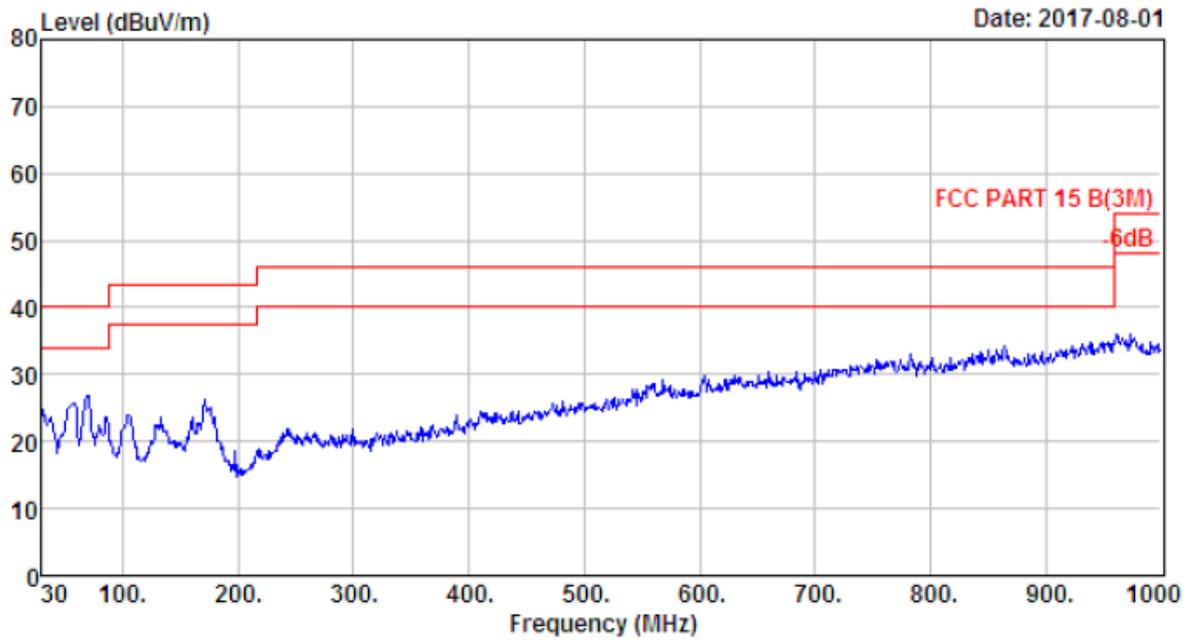
| | Freq. (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 109.540 | 10.41 | 1.44 | 19.71 | 31.56 | 43.50 | 11.94 | QP |
| 2 | 165.800 | 9.67 | 1.98 | 18.87 | 30.52 | 43.50 | 12.98 | QP |
| 3 | 191.990 | 7.91 | 1.78 | 15.71 | 25.40 | 43.50 | 18.10 | QP |



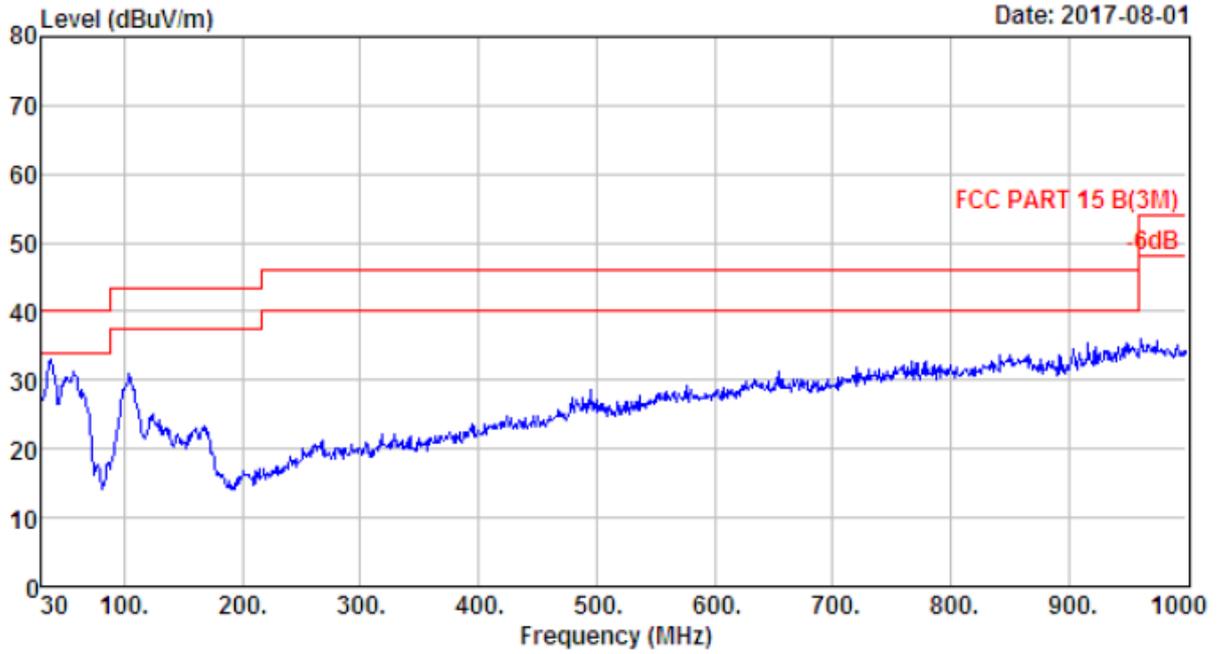
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 886 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 2 | | |



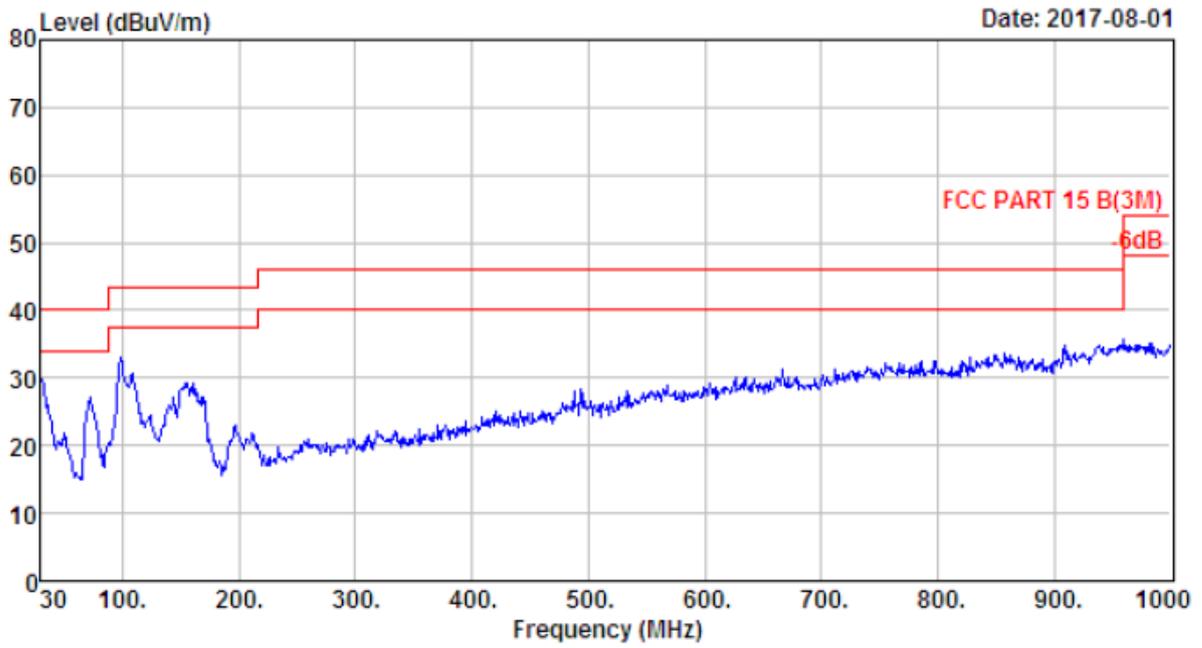
| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 887 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 2 | | |



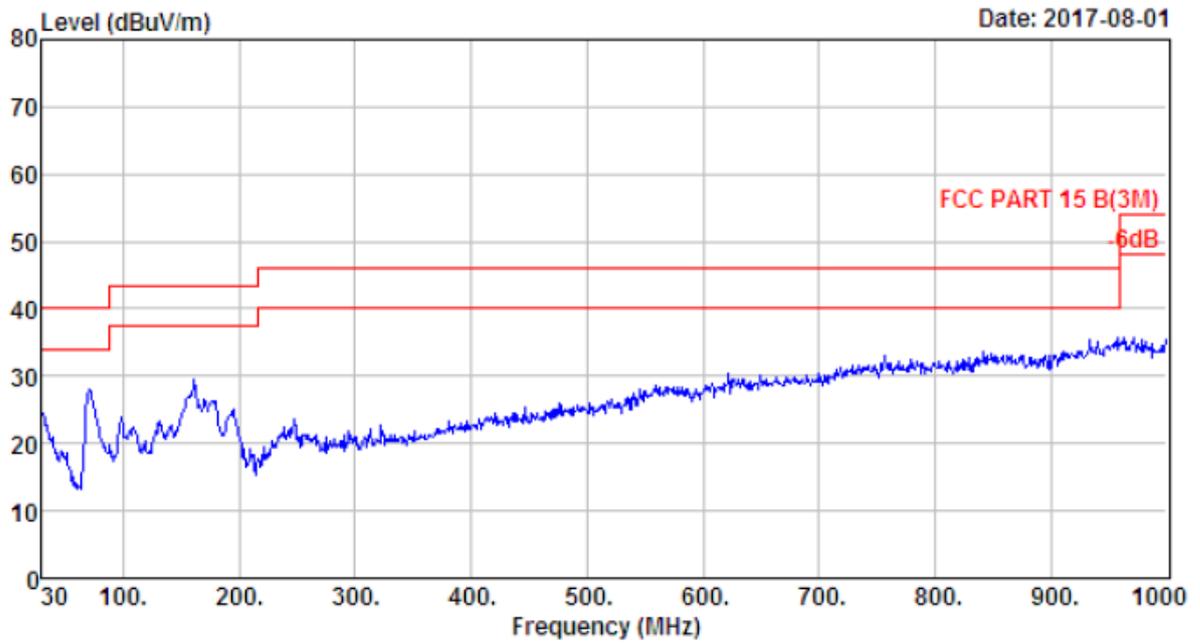
| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 888 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 2 | | |



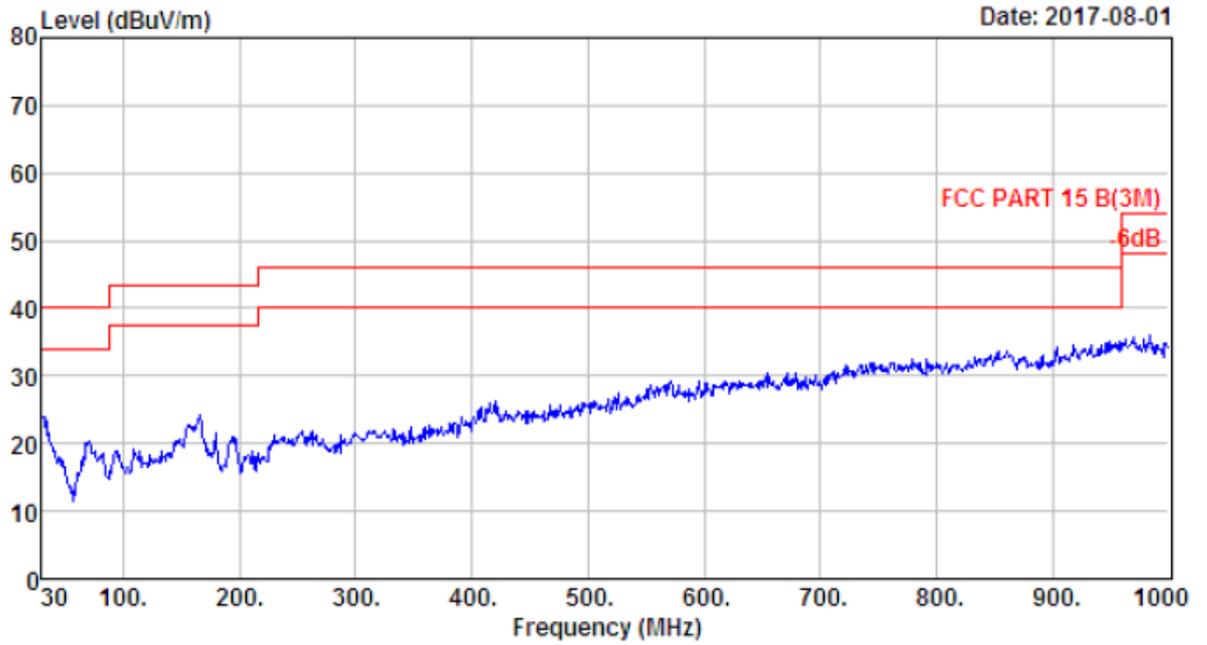
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 889 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 2 | | |



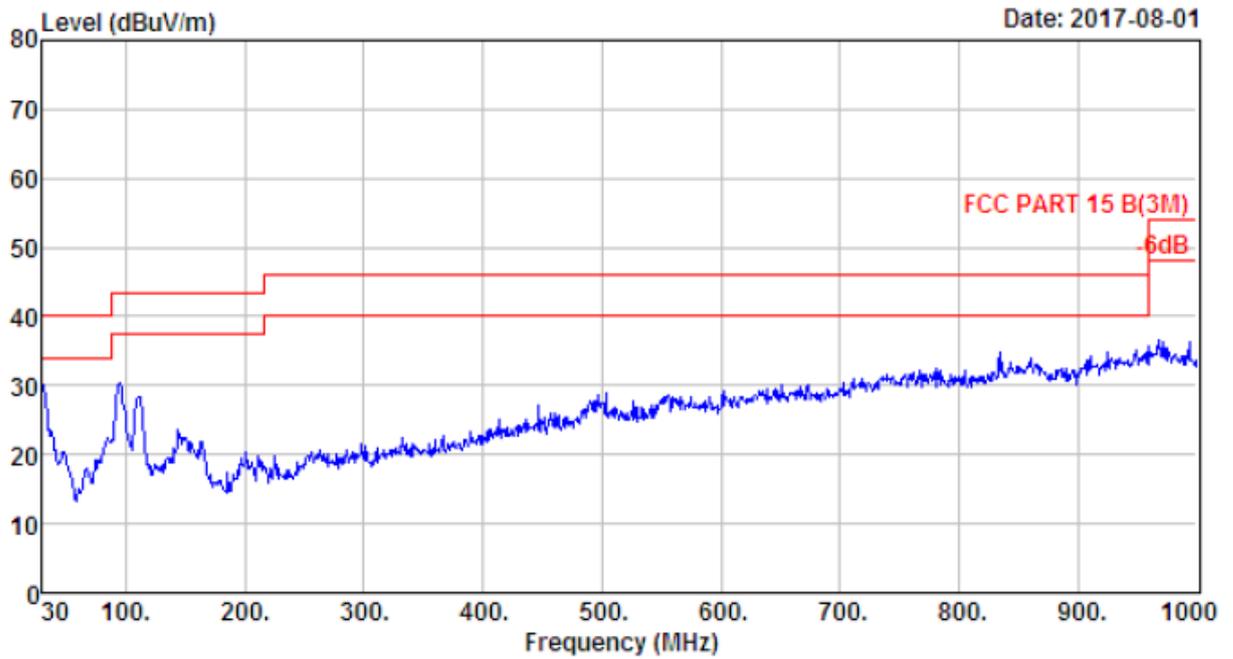
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 890 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | : Construction 1 | | |



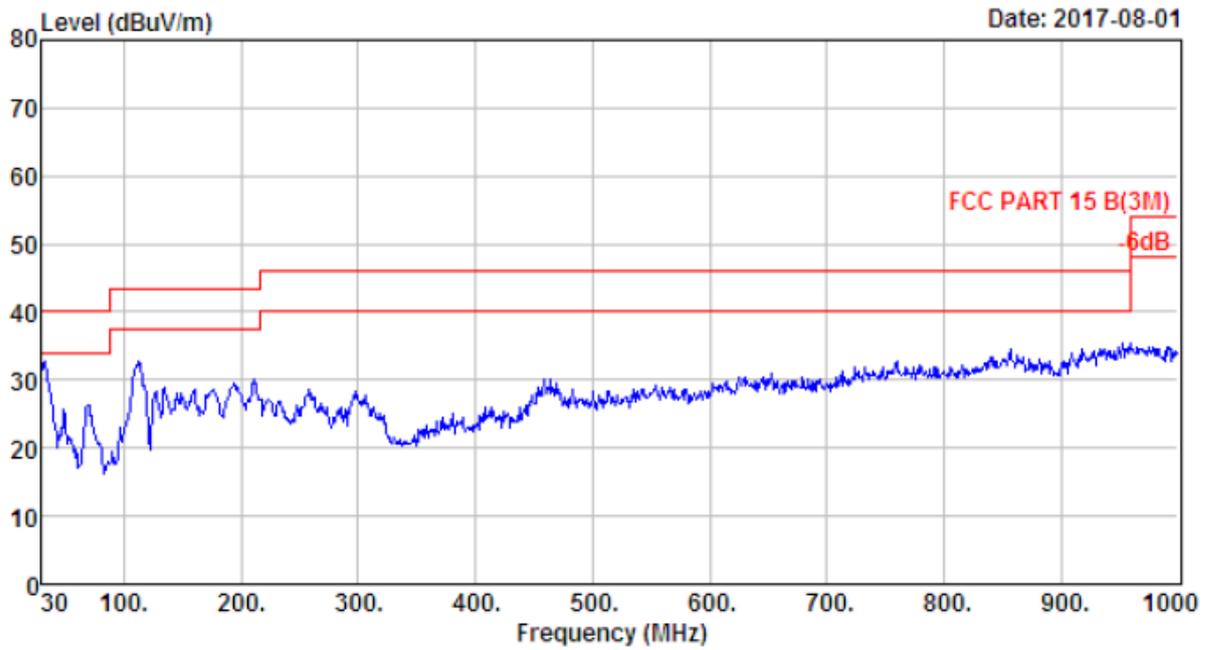
| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 891 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | : Construction 1 | | |



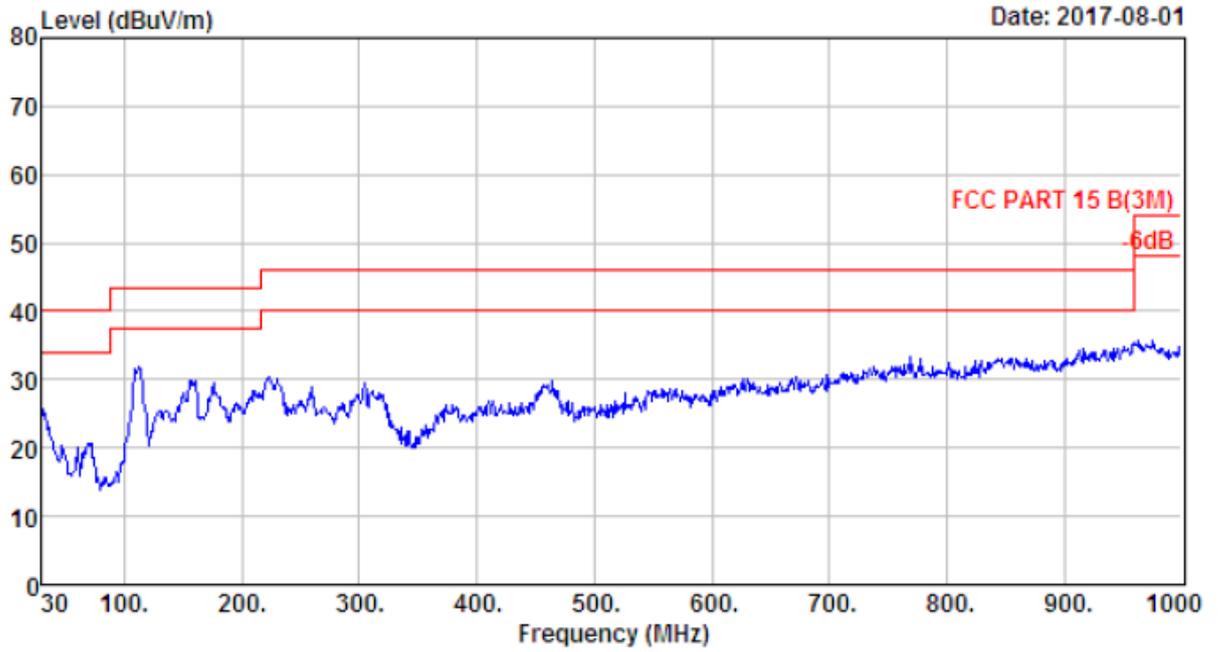
| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 892 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 1 | | |



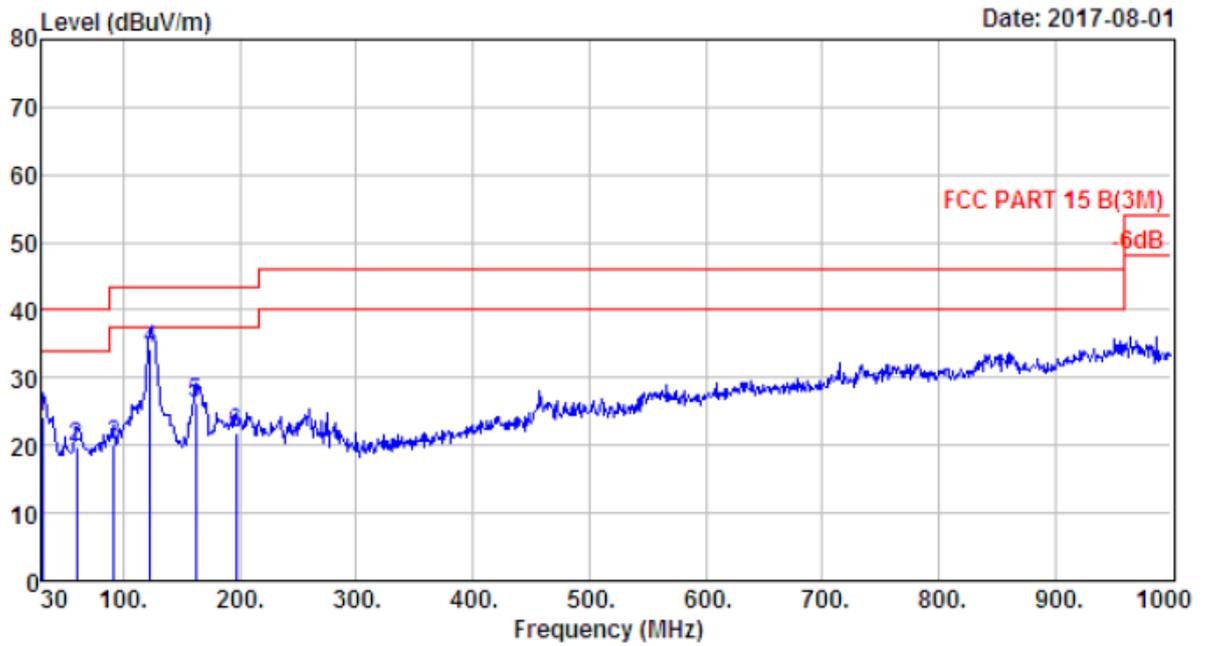
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 893 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL065U-KV | | |
| Test Mode | : Full Load(Output;56V/1.16A) | | |
| | Construction 1 | | |



| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : site | Data no. | : 894 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUI | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : Full Load(Output;12V/5.5A) | | |
| | Construction 1 | | |

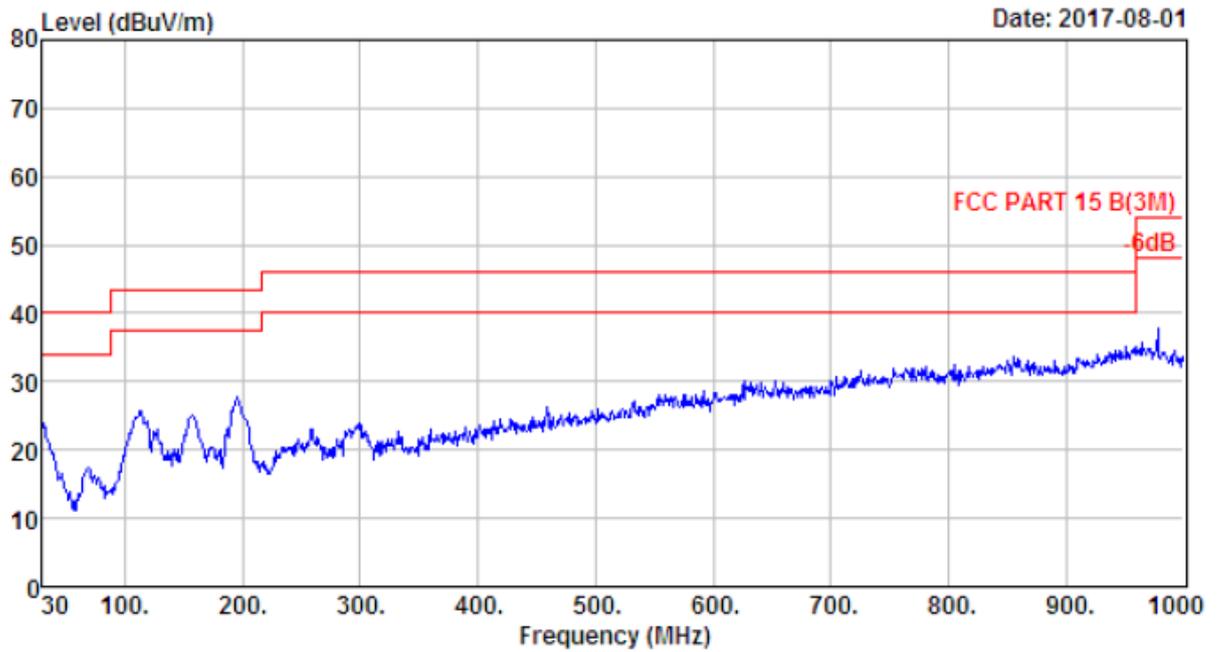


| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 895 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : Full Load(Output;12V/5.5A) | | |
| | Construction 1 | | |

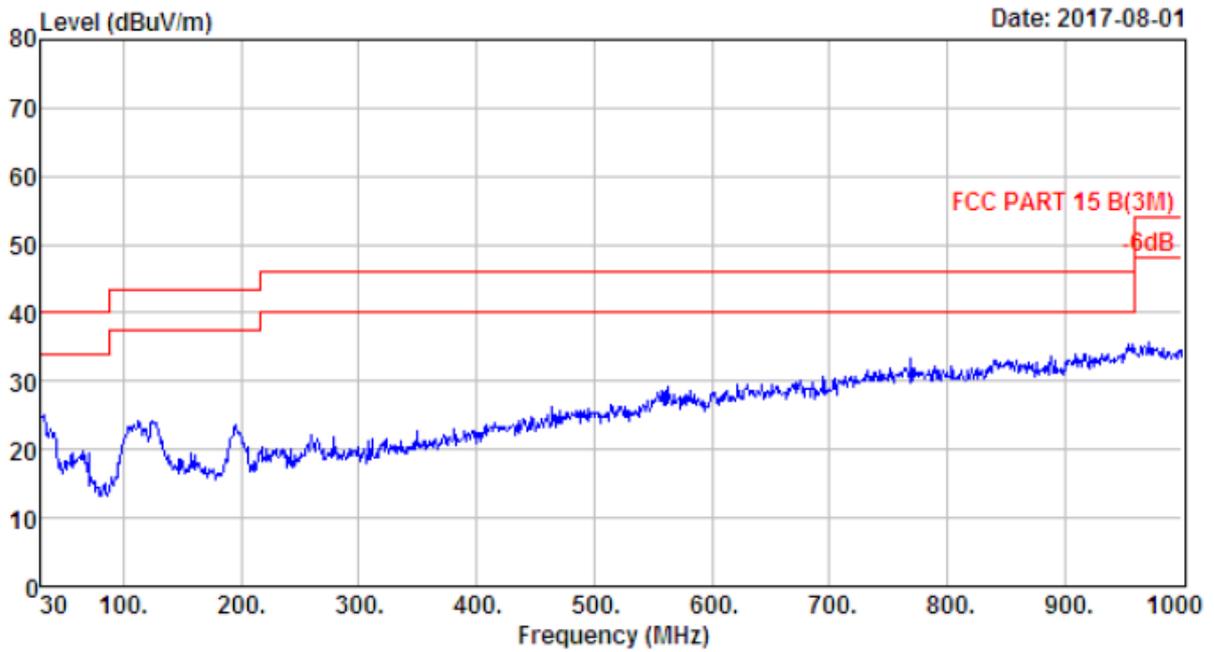


Site no. : 2# 966 chamber Data no. : 898
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Full Load(Output;12V/5.5A)
 Construction 2

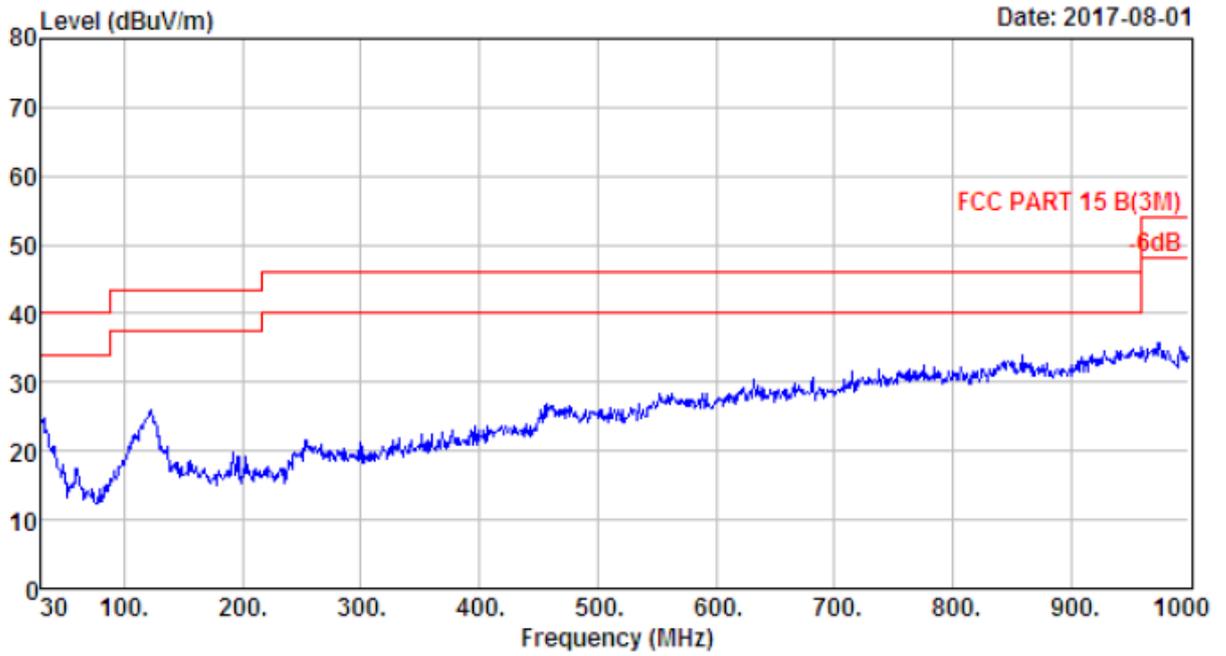
| | Freq. (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.000 | 18.09 | 1.04 | 5.00 | 24.13 | 40.00 | 15.87 | QP |
| 2 | 60.070 | 4.59 | 0.91 | 14.36 | 19.86 | 40.00 | 20.14 | QP |
| 3 | 92.080 | 8.71 | 1.64 | 9.72 | 20.07 | 43.50 | 23.43 | QP |
| 4 | 123.120 | 11.19 | 1.37 | 21.68 | 34.24 | 43.50 | 9.26 | QP |
| 5 | 161.920 | 10.08 | 1.83 | 14.27 | 26.18 | 43.50 | 17.32 | QP |
| 6 | 196.840 | 7.76 | 1.73 | 12.27 | 21.76 | 43.50 | 21.74 | QP |



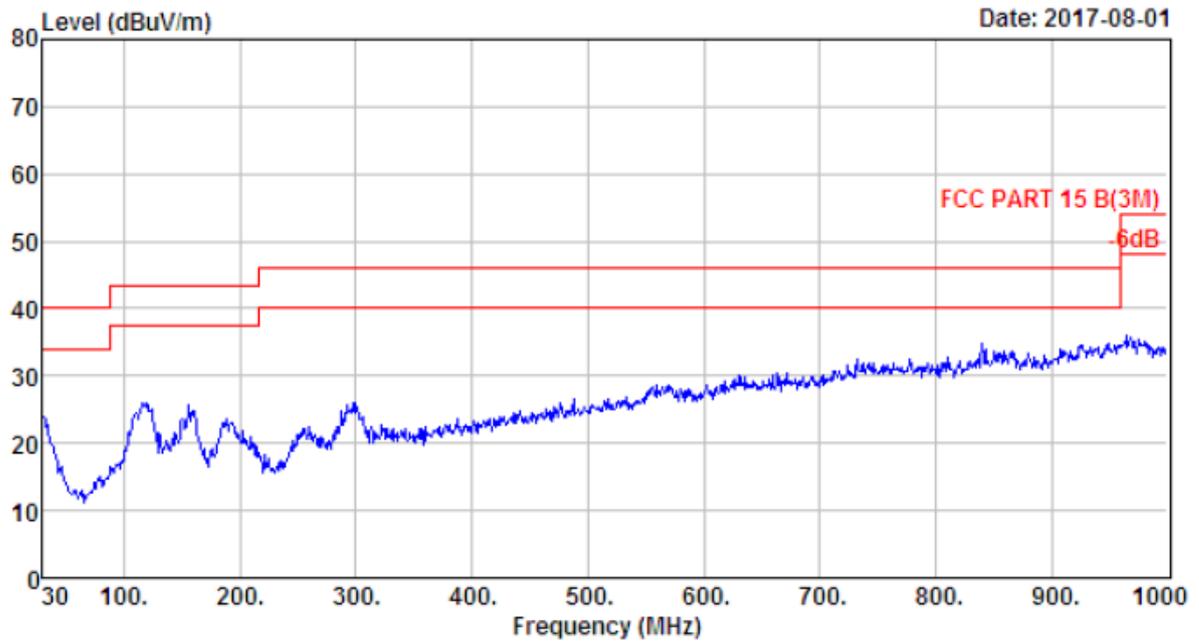
| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 900 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : Full Load(Output;12V/5.5A) | | |
| | Construction 2 | | |



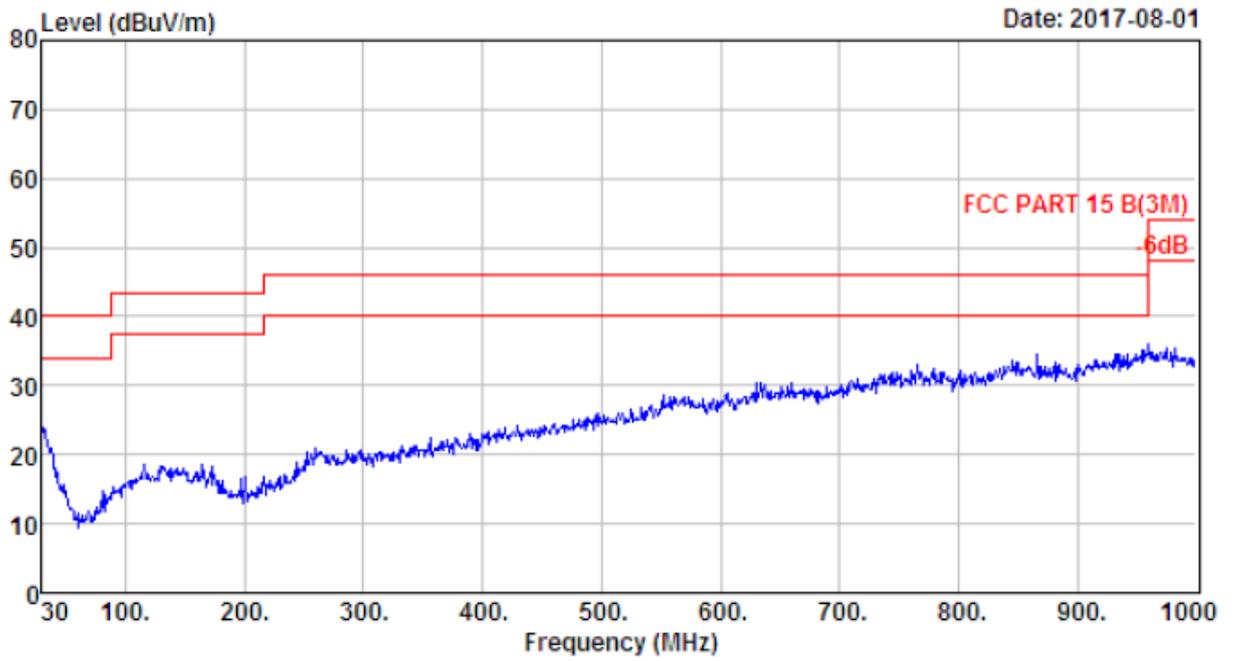
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 901 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUI | : AC Adaptor | | |
| Power | : AC 240V/50Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : Full Load(Output;12V/5.5A) | | |
| | Construction 2 | | |



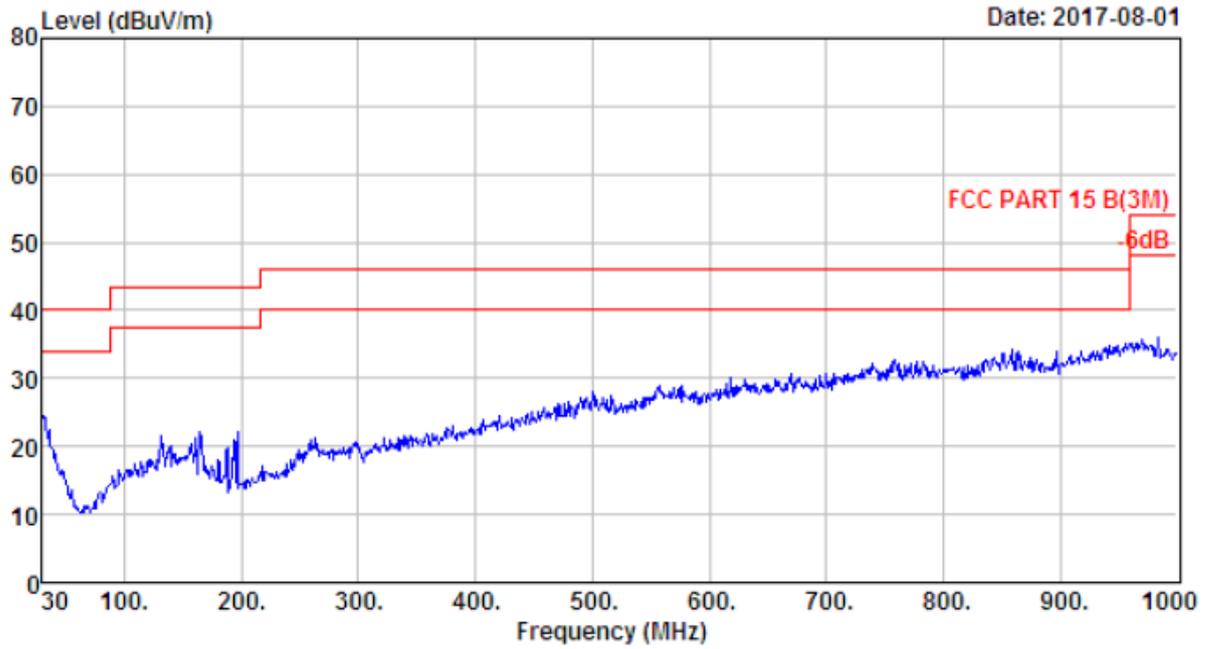
| | | | |
|-------------|---------------------------------------|-----------|------------|
| Site no. | : 2# 966 chamber | Data no. | : 902 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : VERTICAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : Half Load(Output;12V/2.75A) | | |
| | Construction 2 | | |



Site no. : 2# 966 chamber Data no. : 903
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : Half Load(Output;12V/2.75A)
 Construction 2



| | | | |
|-------------|---------------------------------------|-----------|--------------|
| Site no. | : 2# 966 chamber | Data no. | : 904 |
| Dis. / Ant. | : 3m 37062 | Ant. pol. | : HORIZONTAL |
| Limit | : FCC PART 15 B(3M) | | |
| Env. / Ins. | : Temp:23.6';Humi:56%;Press:101.52kPa | | |
| Engineer | : Maybe | | |
| EUT | : AC Adaptor | | |
| Power | : AC 120V/60Hz | | |
| M/N | : KPL066F-KV | | |
| Test Mode | : No Load | | |
| | Construction 2 | | |



Site no. : 2# 966 chamber Data no. : 905
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B(3M)
 Env. / Ins. : Temp:23.6';Humi:56%;Press:101.52kPa
 Engineer : Maybe
 EUT : AC Adaptor
 Power : AC 120V/60Hz
 M/N : KPL066F-KV
 Test Mode : No Load
 Construction 2

4. PHOTOGRAPHS OF THE EUT

Figure 1
General Appearance of the EUT



Figure 2
General Appearance of the EUT



Figure 3
General Appearance of the EUT

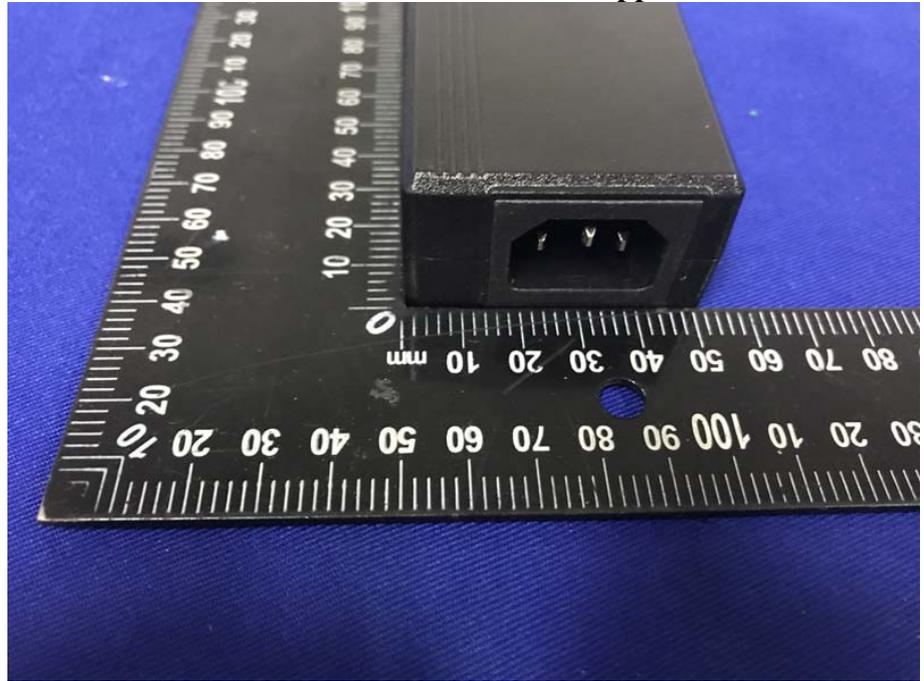


Figure 4
General Appearance of the EUT



Figure 5
General Appearance of the EUT



Figure 6
General Appearance of the EUT
M/N: KPL065U-KV (structures 1)

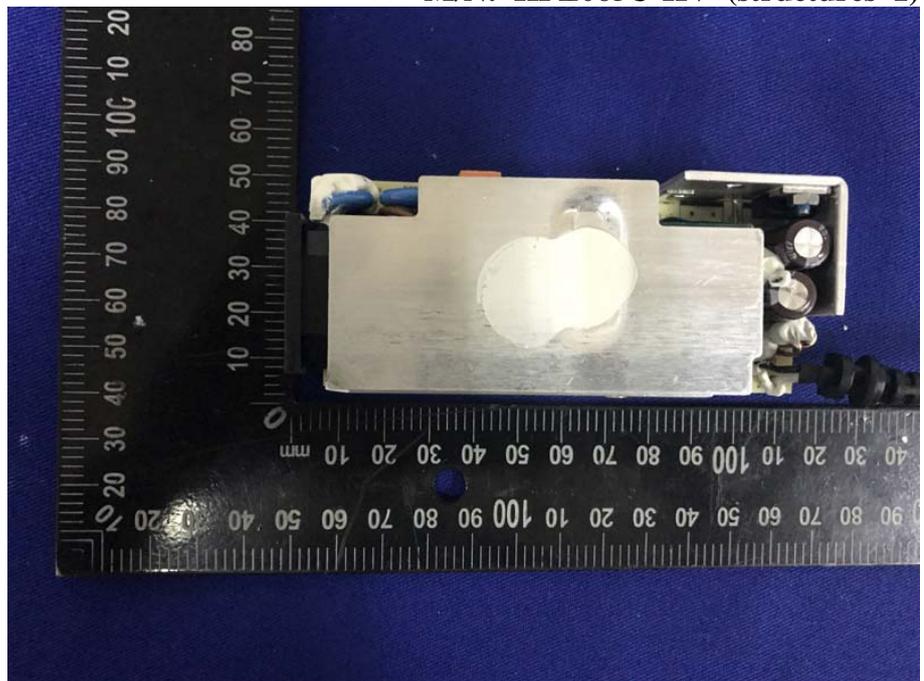


Figure 7
General Appearance of the EUT
M/N: KPL065U-KV (structures 1)

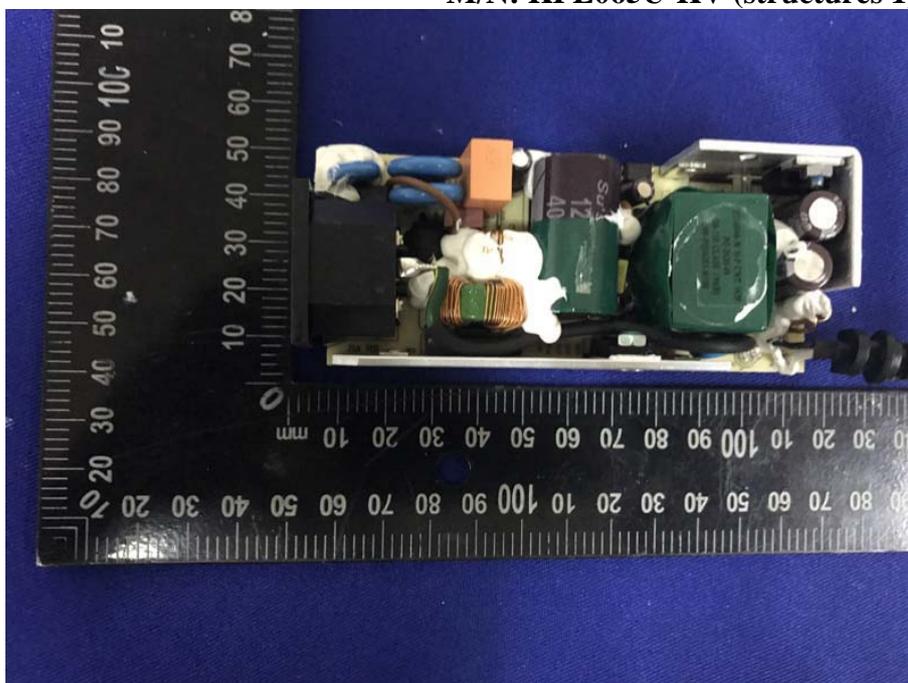


Figure 8
General Appearance of the EUT
M/N: KPL065U-KV (structures 1)

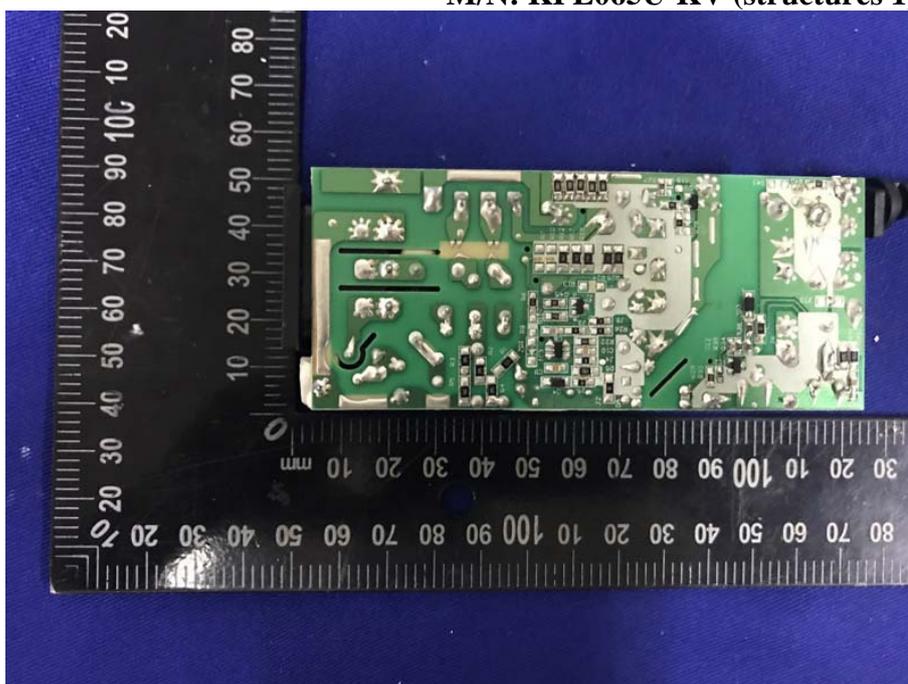


Figure 9
General Appearance of the EUT
M/N: KPL065U-KV (structures 2)

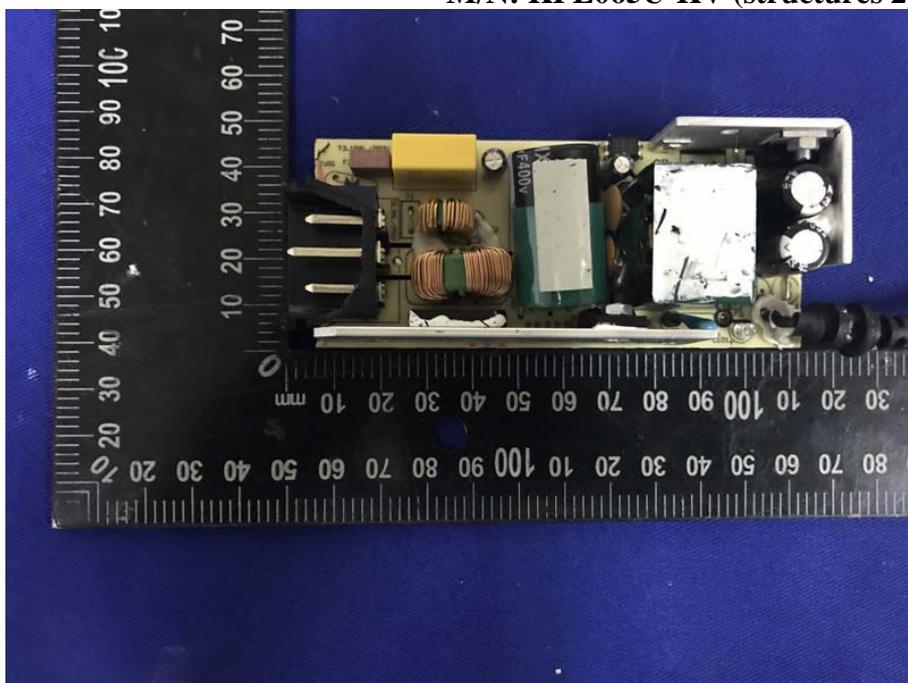


Figure 10
General Appearance of the EUT
M/N: KPL065U-KV (structures 2)

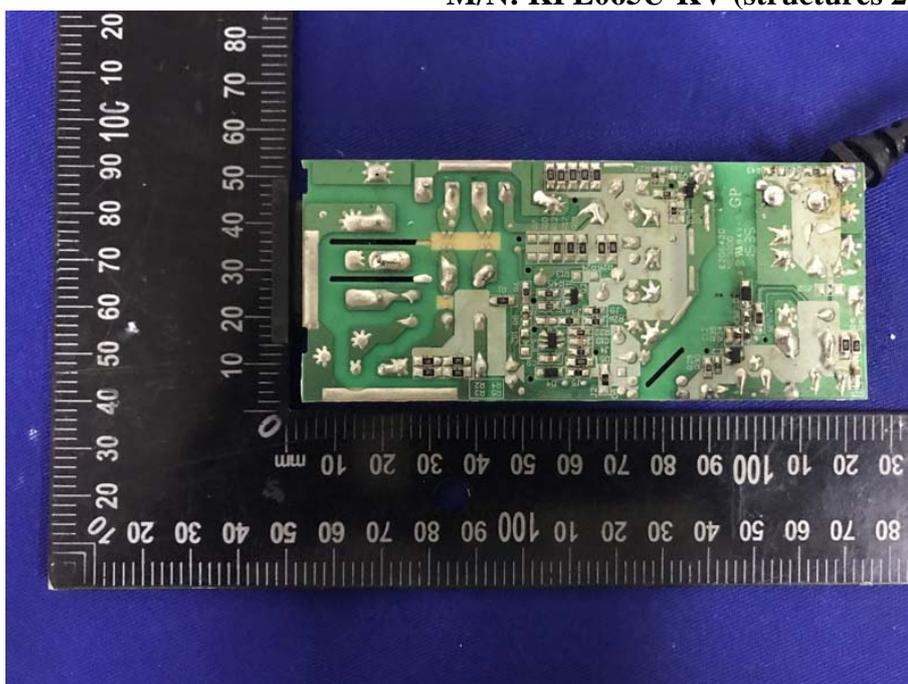


Figure 11
Inside View of the EUT
M/N: KPL066F-KV (structures 1)

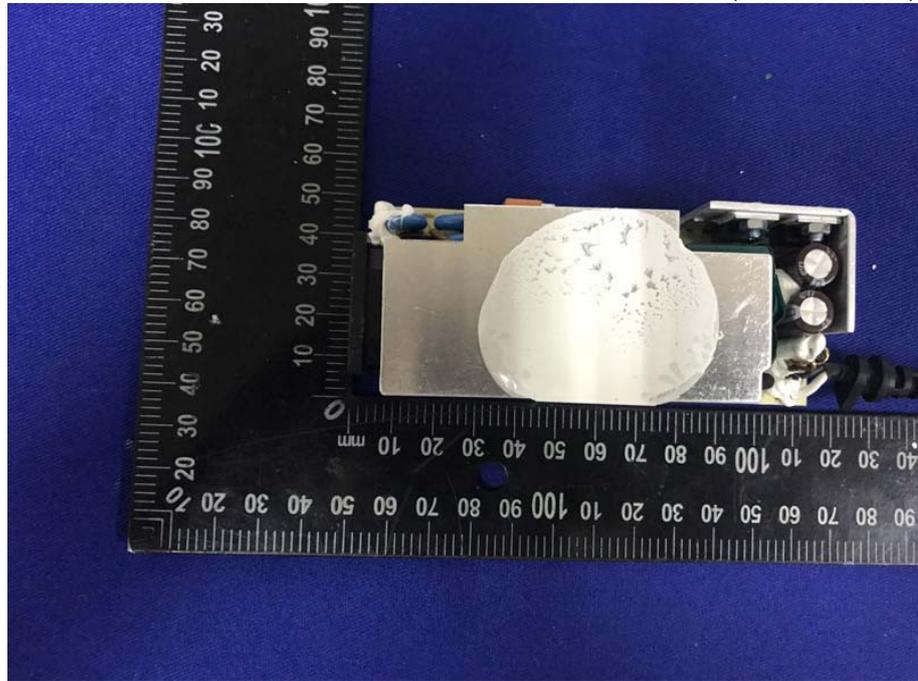


Figure 12
Inside View of the EUT
M/N: KPL066F-KV (structures 1)



Figure 13
Inside View of the EUT
M/N: KPL066F-KV (structures 1)

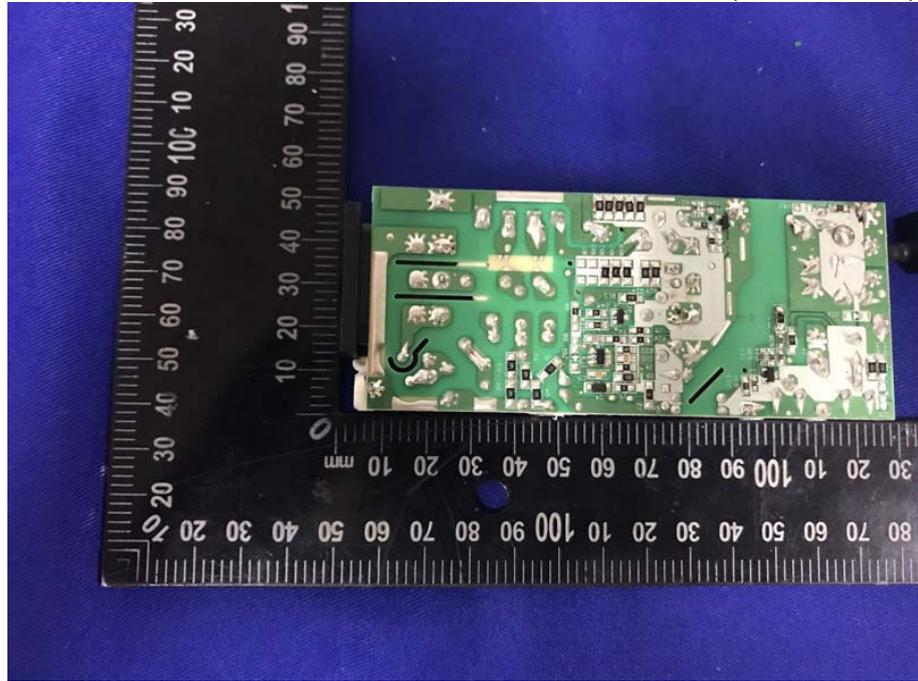


Figure 14
Inside View of the EUT
M/N: KPL066F-KV (structures 2)

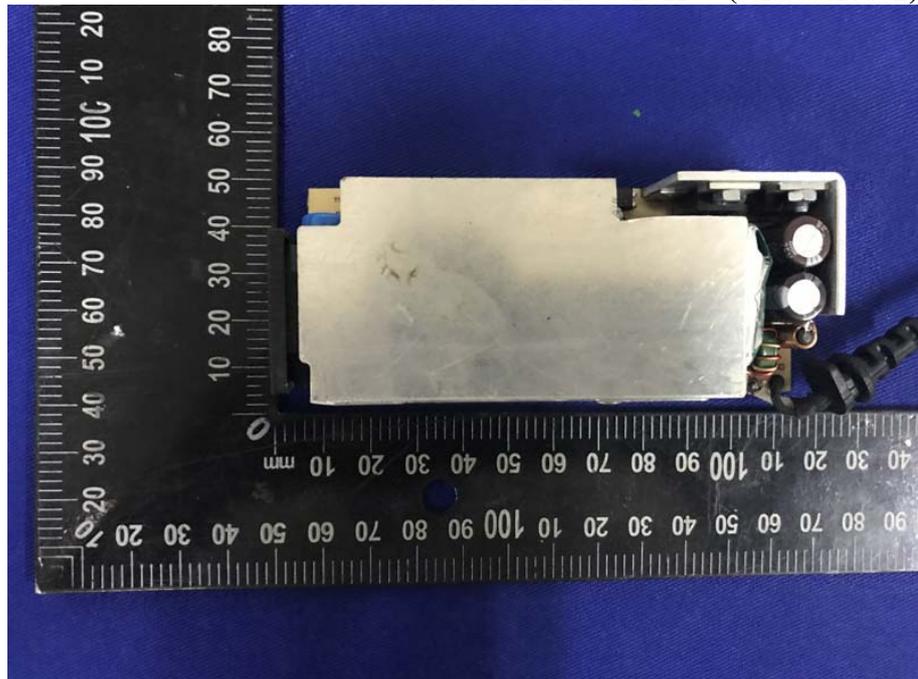


Figure 15
Inside View of the EUT
M/N: KPL066F-KV (structures 2)

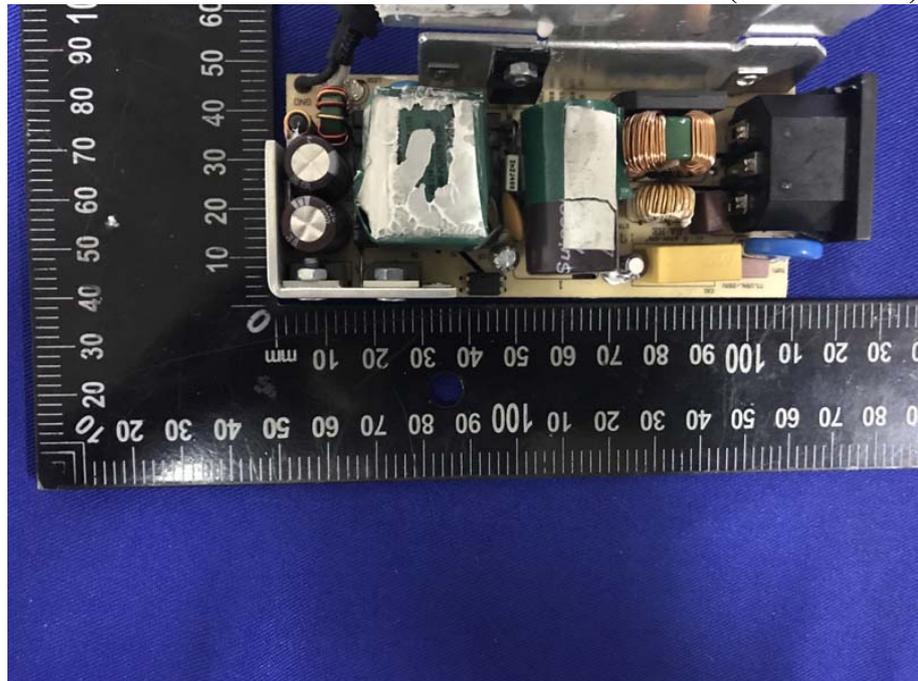
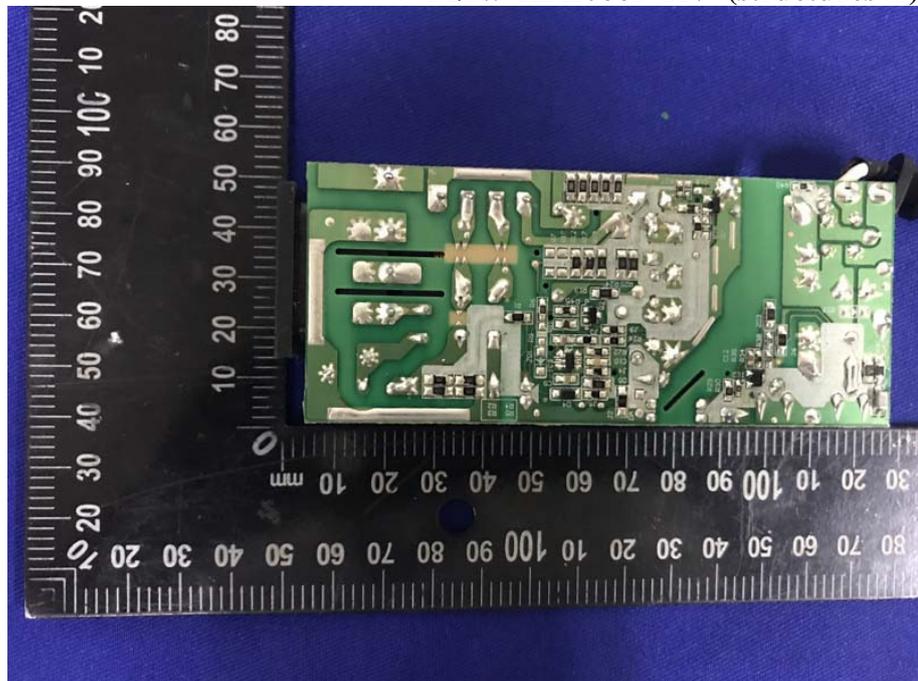


Figure 16
Inside View of the EUT
M/N: KPL066F-KV (structures 2)



End of Test Report