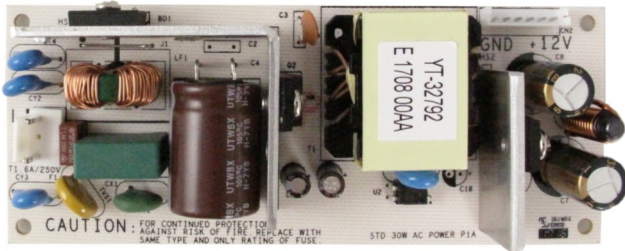




EPS-030-12

Switching Power Supply

<http://www.elytone.com.tw/>



EPS Series
Elytone Standard Product
EPS-030-12

Output Voltage

Output Power

Specification

- AC/DC Switching power supply , total output power is 30W Max.
- Meet UL60065,FCC and EMC standard.
- Stand by power consumption is less than 0.5W

Input

- AC Input Voltage Range ----- 100~240 Vac
- AC Input Current ----- 2A Max.
- AC Frequency Range ----- 50/60 Hz

Output

- Output Voltage ----- 12 Vdc
- Output Rated Current ----- 2.5 A
- Output Rated Power ----- 30W Ref
- Startup Time ----- 2s Max.
- Efficiency ----- 82% Min. at 115 Vac;
84% Min. at 230 Vac

Environmental Specifications

- Operation Temperature ----- -10~+40°C
- Operation Humidity ----- 0~90%

Protection

- Output Short Protection ----- Auto Recovery Mode

Mechanical

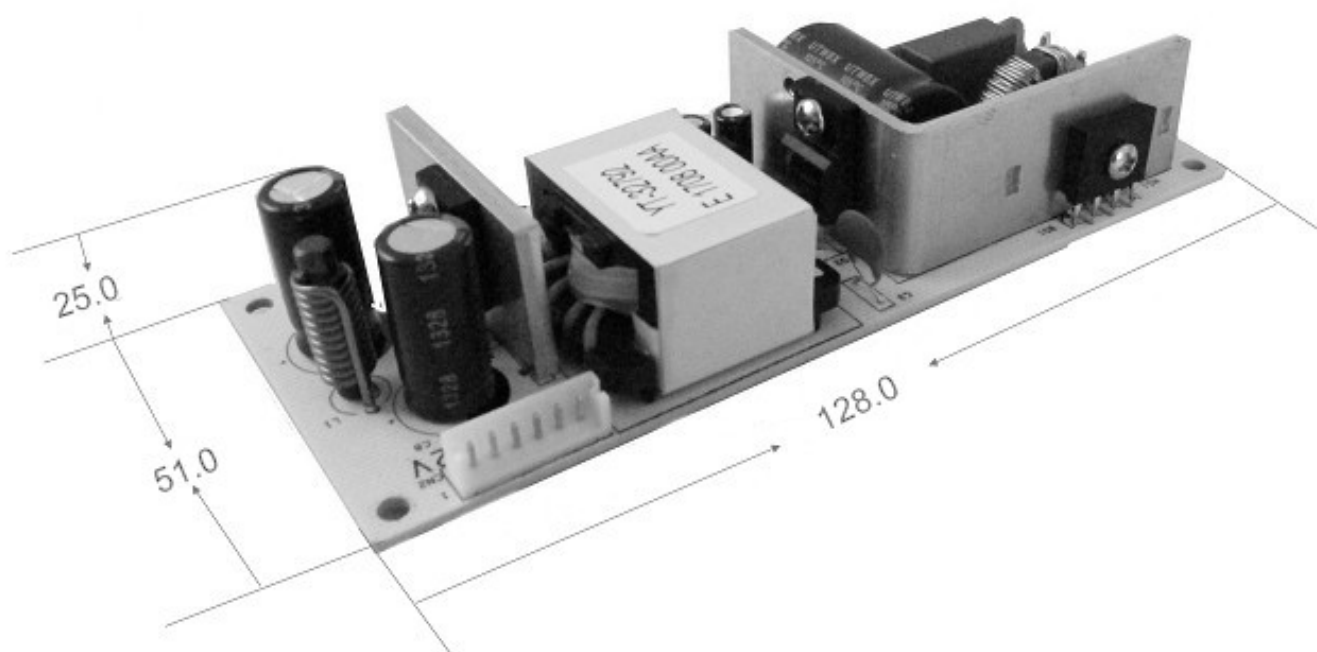
■Dimension ----- L28 * W51 * H25 mm

■Weight ----- 105g

EMC Test

Radiation ☒ Pass

Conduction ☒ Pass

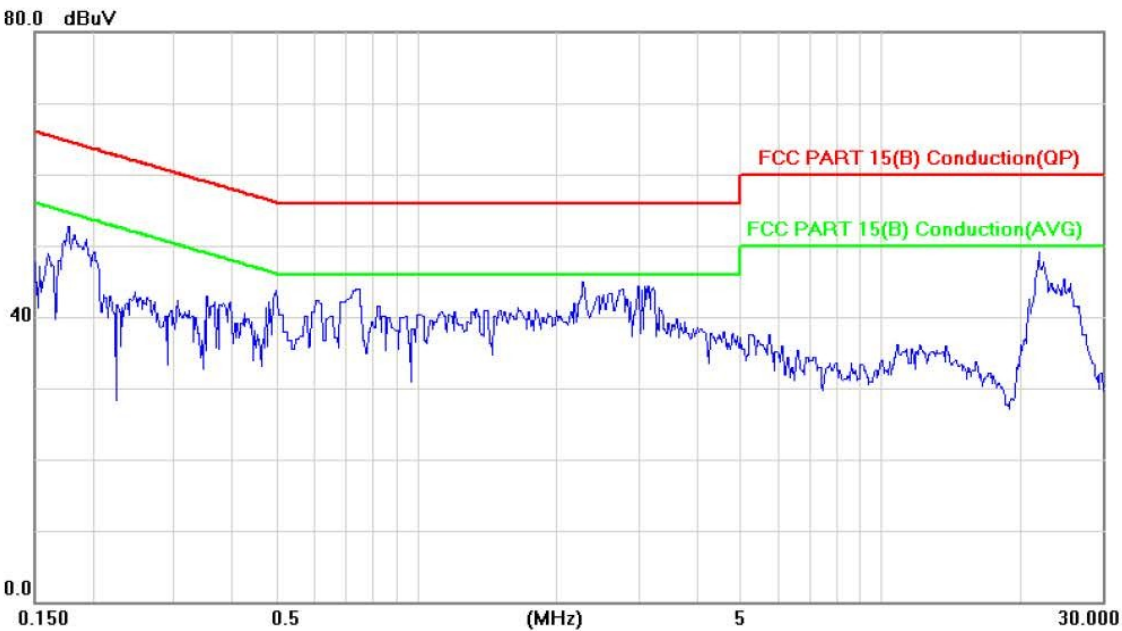




Address:
Tel:
Fax:

Conducted Emission Measurement

File :1111 Data :#453 Date: 2017/5/22 Time: 上午 11:27:22



Site site #1	Phase: L1	Temperature: 26 °C
Limit: FCC PART 15(B) Conduction(QP)	Power: AC 110V/60Hz	Humidity: 60 %
EUT:	Distance:	
M/N:	Mode: STD PSU 30W	
Note: output: 30W		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

Address:
Tel:
Fax:

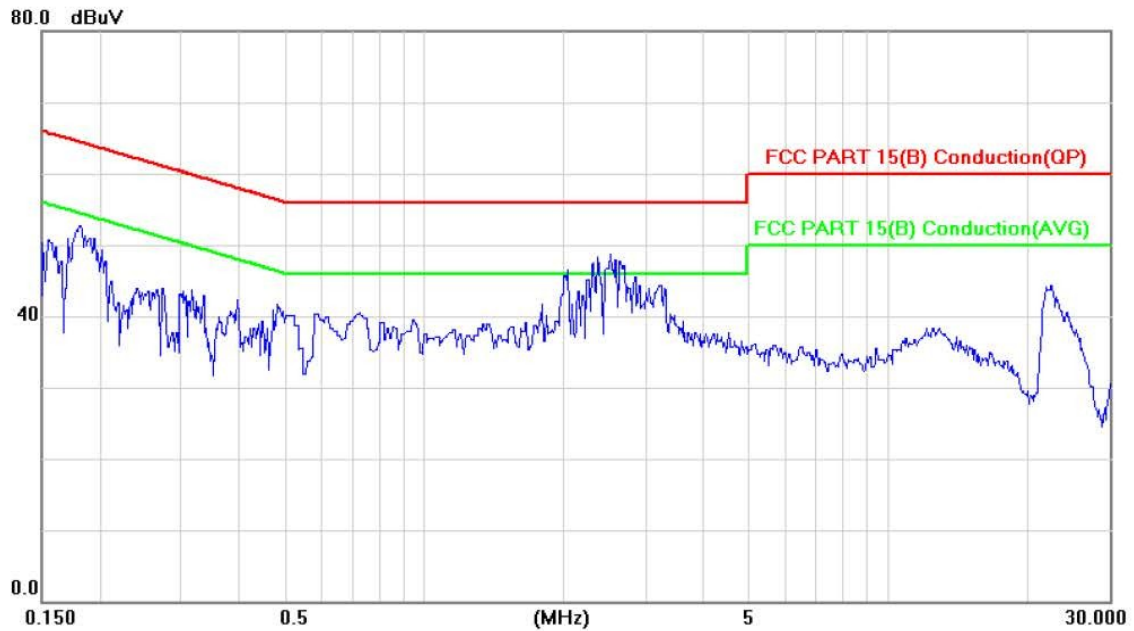
Conducted Emission Measurement

File :1111

Data #477

Date: 2017/5/22

Time: 上午 11:30:07



Site site #1

Phase: **N**

Temperature: 26 °C

Limit: FCC PART 15(B) Conduction(QP)

Power: AC 110V/60Hz

Humidity: 60 %

EUT:

Distance:

MN:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111>Data #477

Page: 1

Engineer Signature:

Address:
Tel:
Fax:

Conducted Emission Measurement

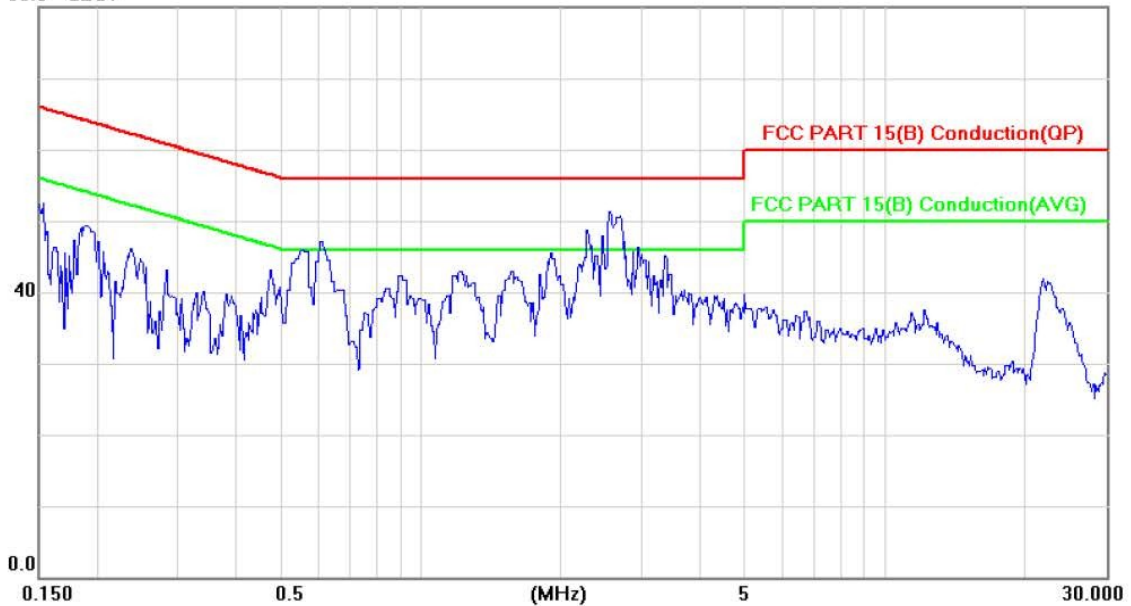
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Data #479

Date: 2017/5/22

Time: 上午 11:31:43

80.0 dBuV



Site site #1

Phase: **L1**

Temperature: 26 °C

Limit: FCC PART 15(B) Conduction(QP)

Power: AC 230V/50Hz

Humidity: 60 %

EUT:

Distance:

MN:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111>Data :#479

Page: 1

Engineer Signature:

Address:
Tel:
Fax:

Conducted Emission Measurement

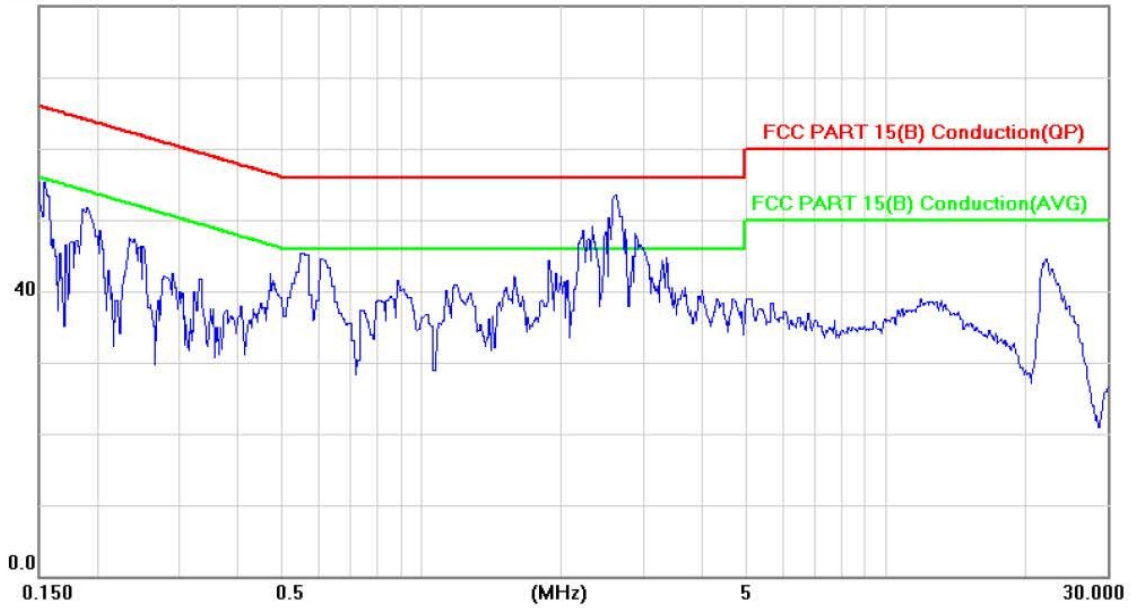
File :1111

Data :#480

Date: 2017/5/22

Time: 上午 11:33:03

80.0 dBuV



Site site #1

Phase: **N**

Temperature: 26 °C

Limit: FCC PART 15(B) Conduction(QP)

Power: AC 230V/50Hz

Humidity: 60 %

EUT:

Distance:

M/N:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111\Data :#480

Page: 1

Engineer Signature:

Address:
Tel:
Fax:

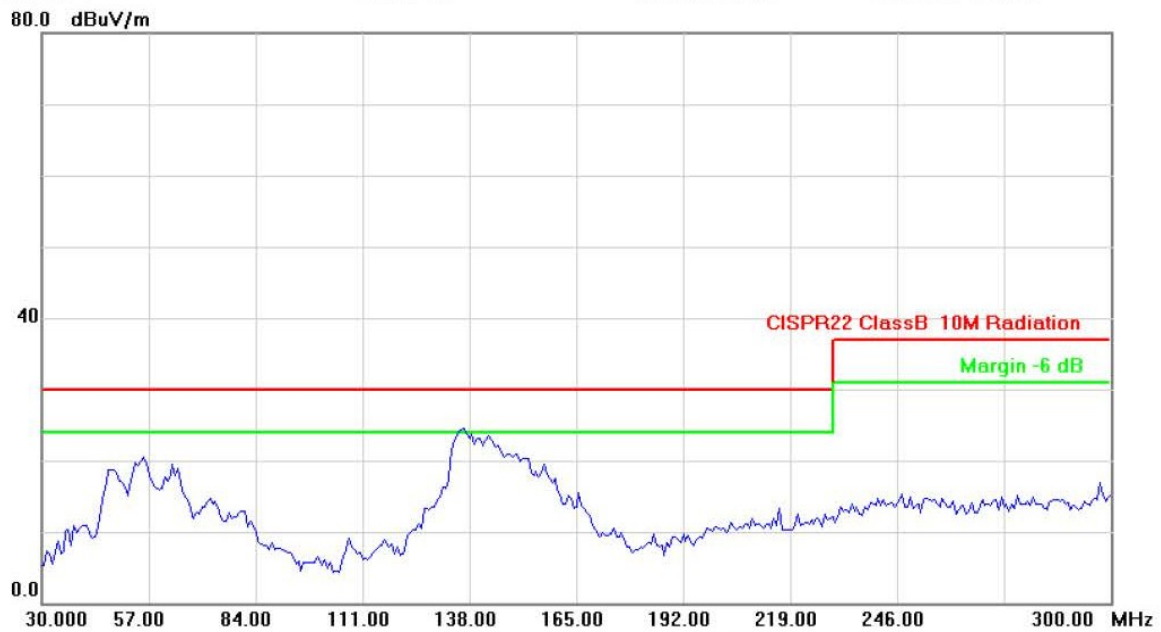
Radiated Emission Measurement

File :1111

Data :#481

Date: 2017/5/22

Time: 上午 11:17:44



Site site #1

Polarization: **Horizontal**

Temperature: 26 °C

Limit: CISPR22 ClassB 10M Radiation

Power: AC 110V/60Hz

Humidity: 60 %

EUT:

Distance:

M/N:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

Address:
Tel:
Fax:

Radiated Emission Measurement

File :1111

Data :#482

Date: 2017/5/22

Time: 上午 11:16:08

80.0 dBuV/m



Site site #1

Polarization: **Vertical**

Temperature: 26 °C

Limit: CISPR22 ClassB 10M Radiation

Power: AC 110V/60Hz

Humidity: 60 %

EUT:

Distance:

M/N:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111\Data :#482

Page: 1

Engineer Signature:

Address:
Tel:
Fax:

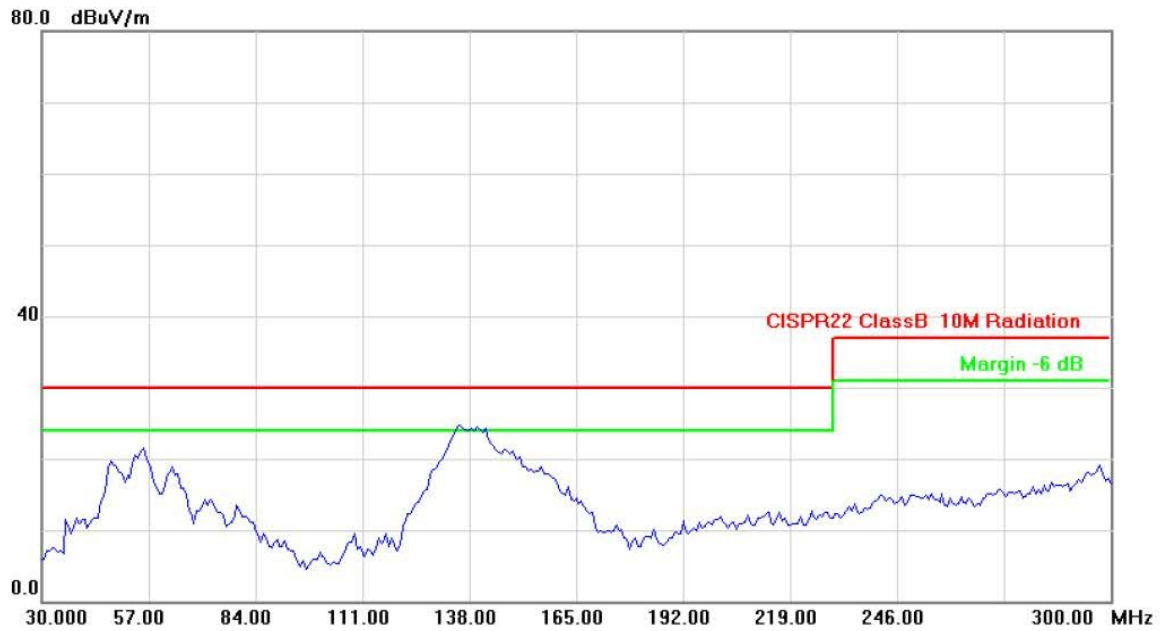
Radiated Emission Measurement

File :1111

Data :#483

Date: 2017/5/22

Time: 上午 11:22:05



Site site #1

Polarization: **Horizontal**

Temperature: 26 °C

Limit: CISPR22 ClassB 10M Radiation

Power: AC 230V/50Hz

Humidity: 60 %

EUT:

Distance:

M/N:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111\Data :#483

Page: 1

Engineer Signature:

Address:

Tel:

Fax:

Radiated Emission Measurement

File :1111

Data #484

Date: 2017/5/22

Time: 上午 11:19:56

80.0 dBuV/m



Site site #1

Polarization: **Vertical**

Temperature: 26 °C

Limit: CISPR22 ClassB 10M Radiation

Power: AC 230V/50Hz

Humidity: 60 %

EUT:

Distance:

MN:

Mode: STD_PSU_30W

Note: output: 30W

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

*:Maximum data x:Over limit !:over margin

●Reference Only

File :1111>Data :#484

Page: 1

Engineer Signature: