



FCC PART 18

EMI MEASUREMENT AND TEST REPORT

For
JIANGXI ELEGANT LIGHTING CO., LTD
No.731 Xihou street,Guixi city,Jiangxi,China

FCC ID: VGZGYT3ES

Product Name:	CFL
Model No:	GY13S/GY15S/GY20S/GY23S/GY25S/GY26S/GY S13GU/GYS15GU/GYS18GU/GYS20GU/GYS23G U/GYS25GU/GYS26GU/GYS30GU
Sample Received Date:	Jun 10, 2007
Test Performed Date:	Jun 13, 2007
Test Engineer:	Paul Tan 
Reviewed By:	Chris Zeng 
Prepared By:	BEST Test Service (Shenzhen) Co., Ltd Flat 11E, Xinhaofang Building, 11018, Shennan Road, Nanshan District, Shenzhen, 518057, China Tel: +86-755-86182350 Fax: +86-755-86182353

Note: The test report is specially limited to the above company and the product model only, it may not be duplicated without prior written consent of Best Test Service (Shenzhen) Co., Ltd.

TABLE OF CONTENTS

GENERAL INFORMATION.....	3
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	3
OBJECTIVE	3
RELATED SUBMITTAL(S)/GRANT(S).....	3
TEST METHODOLOGY	3
TEST FACILITY	3
SYSTEM TEST CONFIGURATION.....	4
JUSTIFICATION	4
SCHEMATICS / BLOCK DIAGRAM	4
EQUIPMENT MODIFICATIONS	4
CONFIGURATION OF TEST SYSTEM	4
TEST SETUP BLOCK DIAGRAM	4
CONDUCTED EMISSIONS TEST DATA.....	5
APPLICABLE STANDARD	5
MEASUREMENT UNCERTAINTY.....	5
EUT SETUP	5
TEST EQUIPMENTS	6
TEST PROCEDURE	6
SUMMARY OF TEST RESULTS	6
CONDUCTED EMISSIONS TEST DATA AND PLOTS	6

GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The JIANGXI ELEGANT LIGHTING CO., LTD's model GY13S/GY15S/GY20S/GY23S/GY25S/GY26S/GYS13GU/GYS15GU/GYS18GU/GYS20GU/GYS23GU/GYS25GU/GYS26GU/GYS30GU or the "EUT" as referred to in this report are CFL, rated input voltage: AC 120V/60Hz.

The test data was only good for the test sample. It may have deviation for other test sample.

Objective

The following test report is prepared on behalf of JIANGXI ELEGANT LIGHTING CO., LTD. in accordance with Part 2, Subpart J, and Part 18, Subparts A, B, and C of the Federal Communication Commissions rules and regulations.

The objective of the manufacturer is to demonstrate compliance with FCC Part 18 limit requirements for Industrial, Scientific, and Medical Equipment.

Related Submittal(s)/Grant(s)

No Related Submittals.

Test Methodology

All measurements contained in this report were conducted with MP-5 1986, FCC Method of measurements of radio noise emission from Industrial, Scientific and Medical equipments.

Test Facility

All measurement facilities used to collect the data are located at Huatongwei Building , Keji Rd, 12 S, high-Tech Park, Nanshan District, Shenzhen, China.

The sites are constructed in conformance with the requirements of ANSI C63.7/634 and CISPR 22, The site was accredited by FCC (662850), A2LA(2243.01) and CNAL (L1225)

SYSTEM TEST CONFIGURATION

Justification

The EUT was tested under normal mode as used by a common (typical) user.

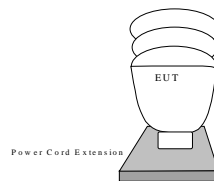
Schematics / Block Diagram

N/A.

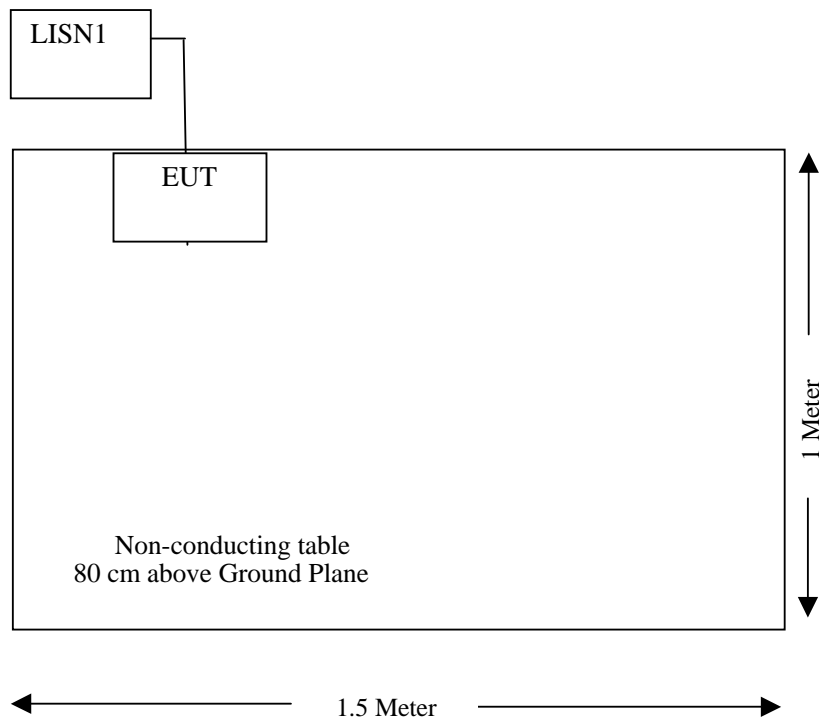
Equipment Modifications

No modifications were made by BEST TEST SERVICE (SHENZHEN) CO., LTD. to ensure the EUT to comply with the application limits and requirements.

Configuration of Test System



Test Setup Block Diagram



CONDUCTED EMISSIONS TEST DATA

Applicable Standard

For the following equipment, when designed to be connected to the public utility (AC) power line the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies shall not exceed the limits in the following tables. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal using a 50 μ H/50 ohms line impedance stabilization network (LISN).

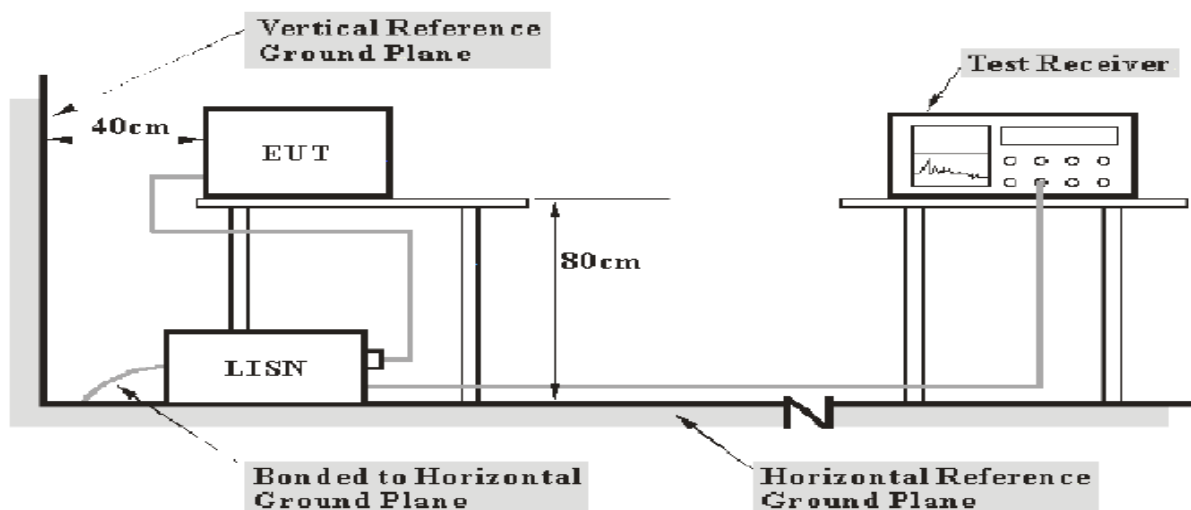
Frequency Range (MHz)	Max RF Voltage (μ V)	Max RF Voltage (dB μ V)
Non-consumer equipment		
0.45 to 1.6	1,000	60.0
1.6 to 30	3,000	69.0
Consumer equipment		
0.45 to 2.51	250	48.0
2.51 to 3.0	3000	69.0
3.0 to 30	250	48.0

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMI. The factors contributing to uncertainties are EMI Test Receiver, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMI Measurements, the best estimate of the uncertainty of any conducted emissions measurement at BEST TEST SERVICE (SHENZHEN) CO., LTD. is ± 2.0 dB.

EUT Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with MP-5 measurement procedure. The specification used was the FCC Part 18 limits.

The EUT was connected to the power cord extension and placed on the left of the back edge on the test table.

The power cord extension was connected with 120 VAC/60 Hz power source.

Test Equipments

Manufacturer	Description	Model	Serial Number	Cal. Date	Cal. Due.Date
ROHDE & SCHWARZ	EMI TEST RECEIVER	ESCS30	100038	2006-08-05	2007-08-05
ROHDE & SCHWARZ	L.I.S.N	ESH2-Z5	100028	2006-08-05	2007-08-05
ROHDE & SCHWARZ	Pulse Limiter	ESHSZ2	100044	2006-08-05	2007-08-05

Statement of traceability: BEST attests that all calibrations have been performed per the CNAL /A2LA requirements, traceable to NIM China

Test Procedure

During the conducted emission test, the power cord of the power cord extension was connected to the auxiliary outlet of the first LISN.

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT is compliant with all installation combination.

All data was recorded in the peak detection mode. Quasi-peak readings were only performed when an emission was found to be marginal (within 4 dB μ V of specification limits). Quasi-peak readings are distinguished with a "Qp".

The EUT was tested under the normal modes during the final qualification test to represent the worst-case results.

Summary of Test Results

Pass

The EUT complied with the FCC 18 Conducted margin for industry, scientific and medical device, and with the worst margin reading of:

4.6 dB μ V at 0.0902 MHz in the live mode for GY13S
 5.0 dB μ V at 0.459 MHz in the live mode for GY15S
 10.3 dB μ V at 0.500 MHz in the live mode for GY20S
 7.9 dB μ V at 0.536 MHz in the live mode GY23S
 8.2 dB μ V at 0.500 MHz in the live mode for GY25S
 9.4 dB μ V at 0.492 MHz in the live mode for GY26S
 2.2 dB μ V at 0.890 MHz in the live mode for GYS13GU
 4.6 dB μ V at 0.836 MHz in the live mode for GYS15GU
 6.7 dB μ V at 0.873 MHz in the Neutral mode for GYS18GU
 5.6 dB μ V at 2.006 MHz in the Neutral mode for GYS20GU
 2.0 dB μ V at 0.722 MHz in the live mode for GYS23GU
 8.0 dB μ V at 0.466 MHz in the live mode for GYS25GU
 5.3 dB μ V at 0.544 MHz in the Neutral mode for GYS26GU
 10.1 dB μ V at 0.590 MHz in the live mode for GYS30GU

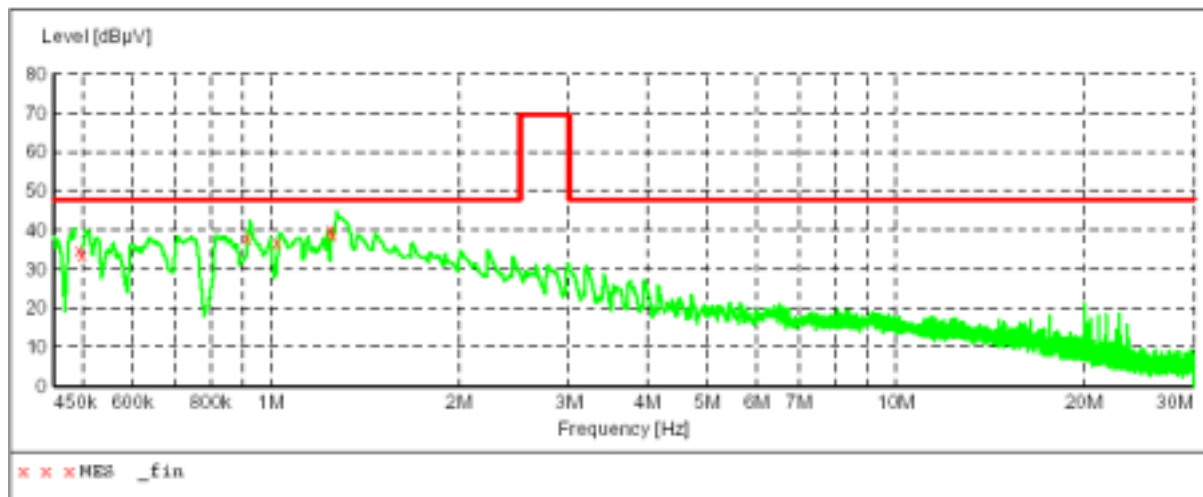
Conducted Emissions Test Data and Plots

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: Energy Saving Lamp M/N:GY13S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

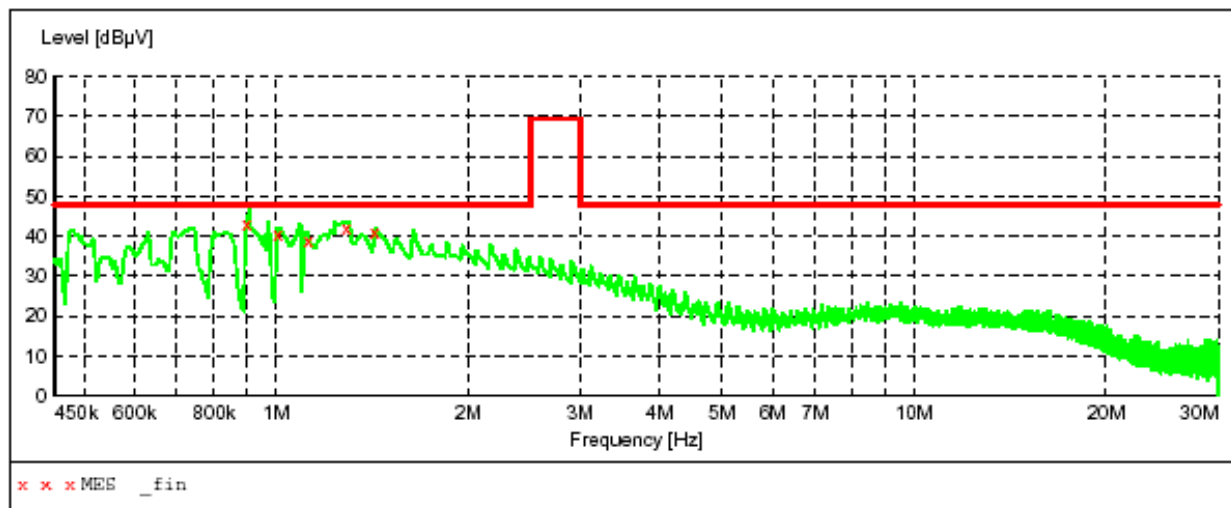
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.492000	34.90	10.1	48	13.0	QP	N	GND
0.500000	33.60	10.1	48	14.3	QP	N	GND
0.914000	37.80	10.1	48	10.1	QP	N	GND
1.022000	36.60	10.2	48	11.3	QP	N	GND
1.244000	40.10	10.2	48	7.8	QP	N	GND
1.250000	38.80	10.2	48	9.1	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY13S
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: 3# SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60HZ
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

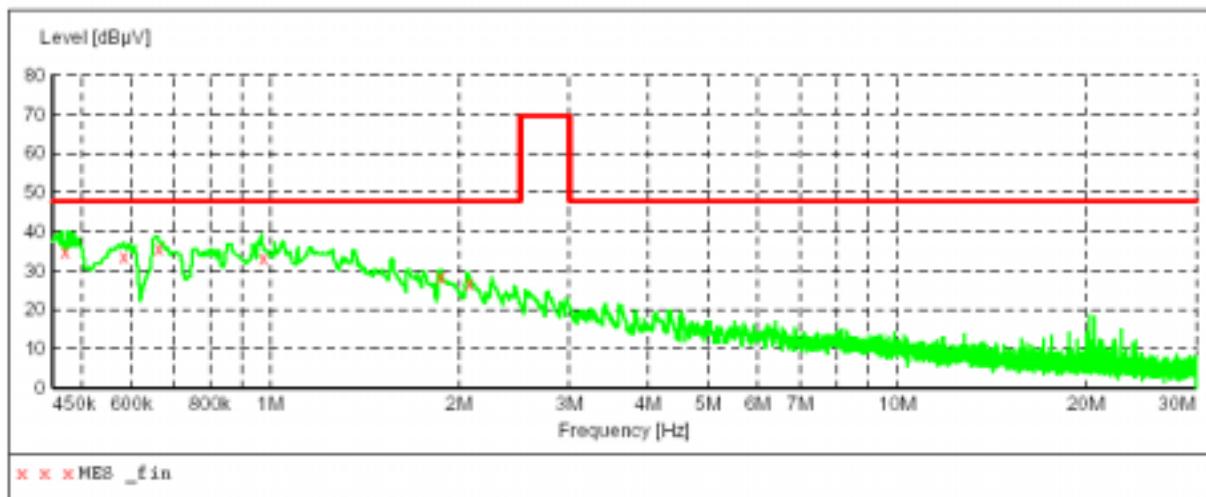
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.902000	43.30	10.1	48	4.6	QP	L1	GND
1.010000	40.30	10.2	48	7.6	QP	L1	GND
1.124000	38.80	10.2	48	9.1	QP	L1	GND
1.292000	41.90	10.2	48	6.0	QP	L1	GND
1.430000	41.10	10.2	48	6.8	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY15S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

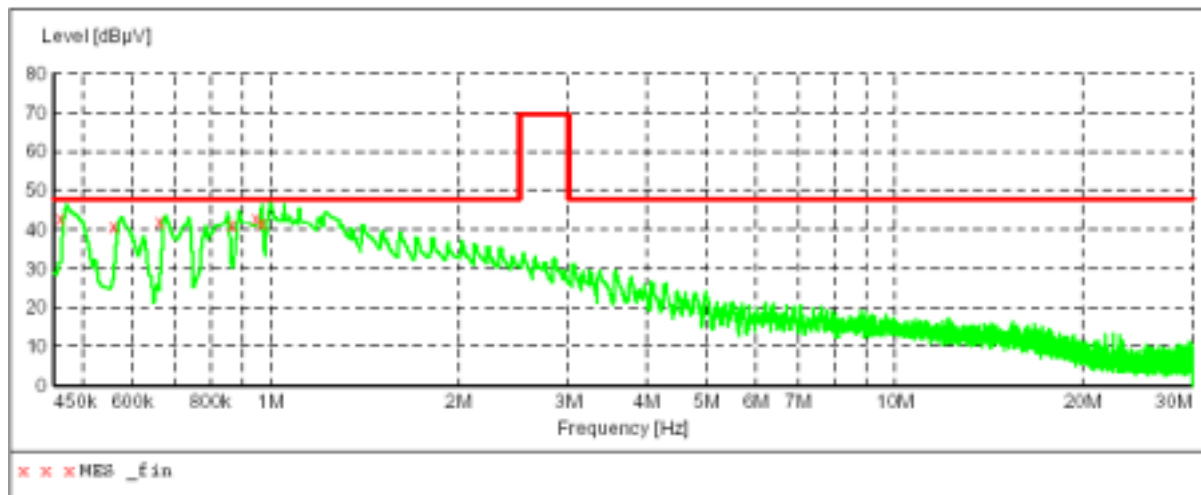
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.471000	34.60	10.1	48	13.3	QP	N	GND
0.584000	33.50	10.1	48	14.4	QP	N	GND
0.662000	35.70	10.1	48	12.2	QP	N	GND
0.974000	33.20	10.2	48	14.7	QP	N	GND
1.868000	28.10	10.2	48	19.8	QP	N	GND
2.072000	26.70	10.2	48	21.2	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY15S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

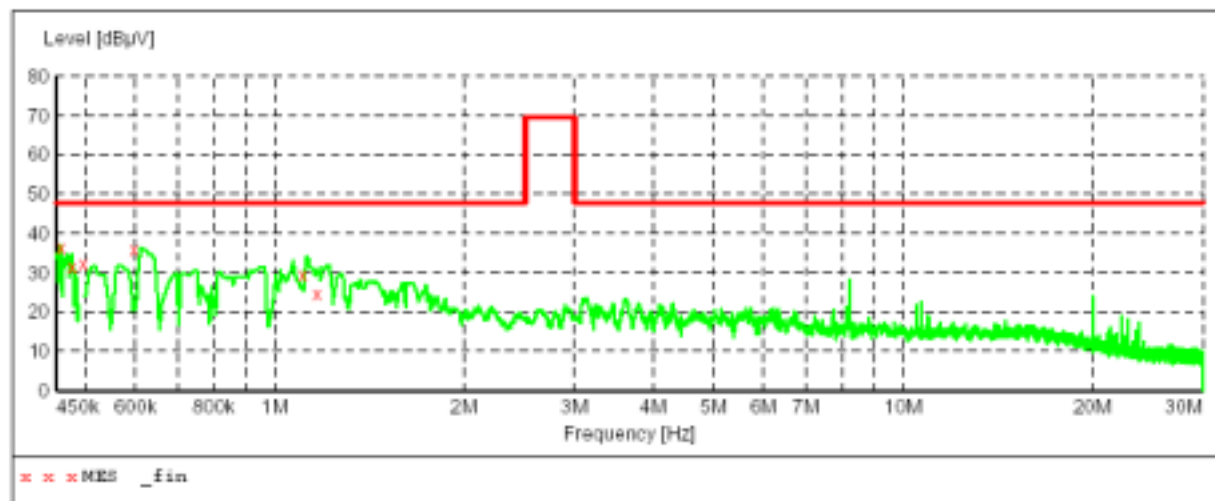
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.459000	42.90	10.1	48	5.0	QP	L1	GND
0.560000	40.80	10.1	48	7.1	QP	L1	GND
0.662000	42.20	10.1	48	5.7	QP	L1	GND
0.866000	41.10	10.1	48	6.8	QP	L1	GND
0.944000	42.80	10.1	48	5.1	QP	L1	GND
0.968000	41.60	10.2	48	6.3	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY20S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

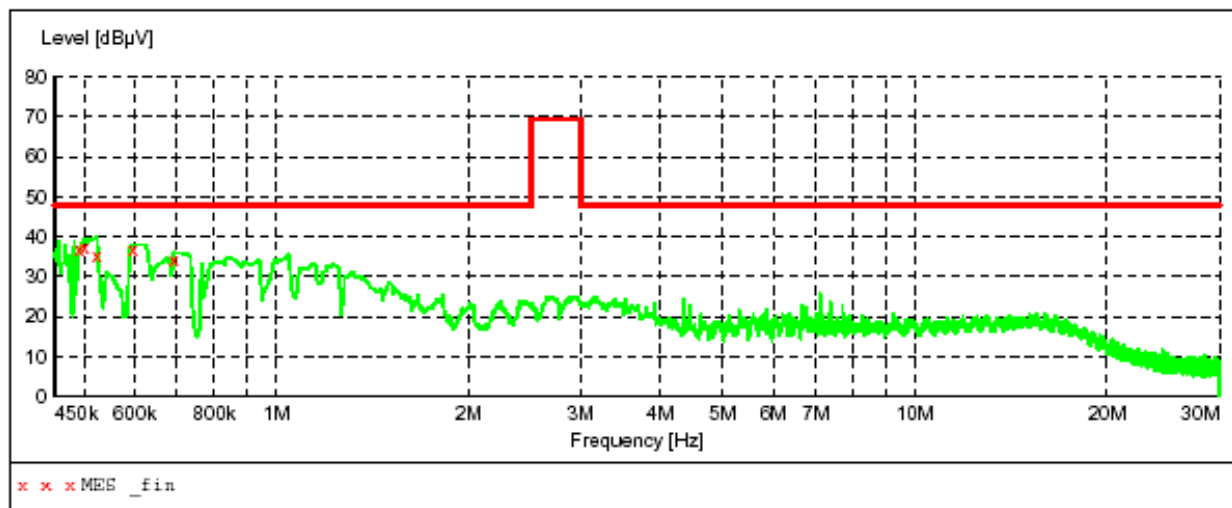
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.456000	36.50	10.1	48	11.4	QP	N	GND
0.477000	31.70	10.1	48	16.2	QP	N	GND
0.495000	32.20	10.1	48	15.7	QP	N	GND
0.596000	35.90	10.1	48	12.0	QP	N	GND
1.106000	29.60	10.2	48	18.3	QP	N	GND
1.166000	24.60	10.2	48	23.3	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY20S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60HZ
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

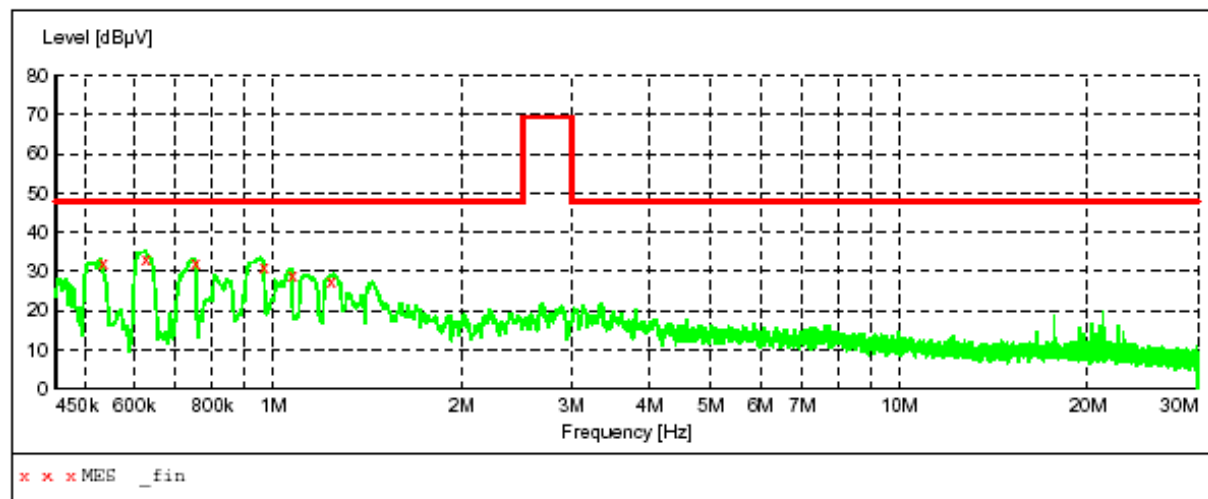
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.492000	37.10	10.1	48	10.8	QP	L1	GND
0.500000	37.60	10.1	48	10.3	QP	L1	GND
0.524000	35.40	10.1	48	12.5	QP	L1	GND
0.596000	36.80	10.1	48	11.1	QP	L1	GND
0.692000	34.30	10.1	48	13.6	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY23S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

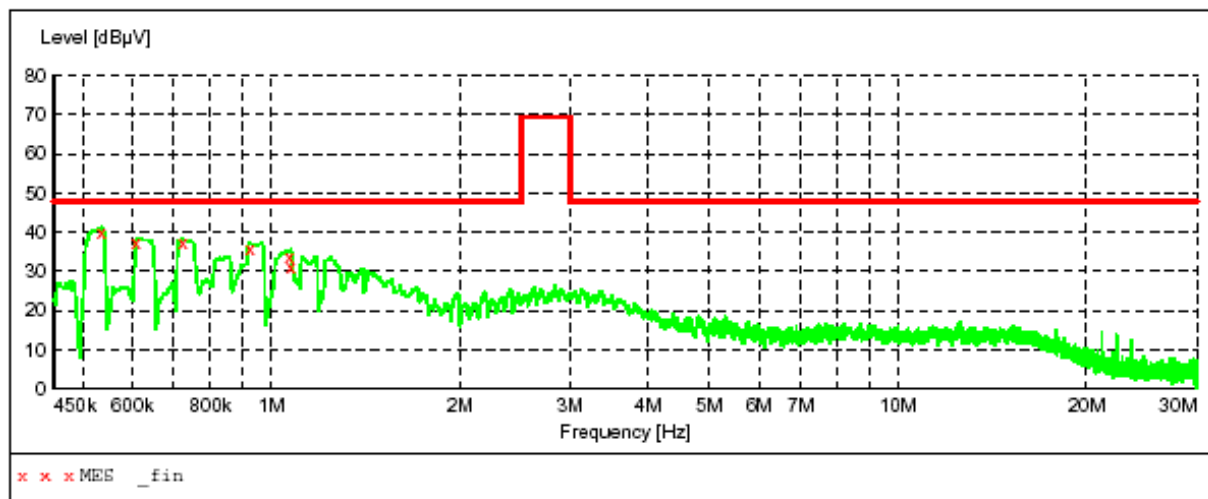
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.536000	32.40	10.1	48	15.5	QP	N	GND
0.626000	33.40	10.1	48	14.5	QP	N	GND
0.752000	32.20	10.1	48	15.7	QP	N	GND
0.968000	31.40	10.2	48	16.5	QP	N	GND
1.076000	28.90	10.2	48	19.0	QP	N	GND
1.238000	27.30	10.2	48	20.6	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY23S
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: 3# SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.536000	40.00	10.1	48	7.9	QP	L1	GND
0.608000	37.50	10.1	48	10.4	QP	L1	GND
0.722000	37.20	10.1	48	10.7	QP	L1	GND
0.926000	35.70	10.1	48	12.2	QP	L1	GND
1.070000	33.90	10.2	48	14.0	QP	L1	GND
1.076000	31.30	10.2	48	16.6	QP	L1	GND

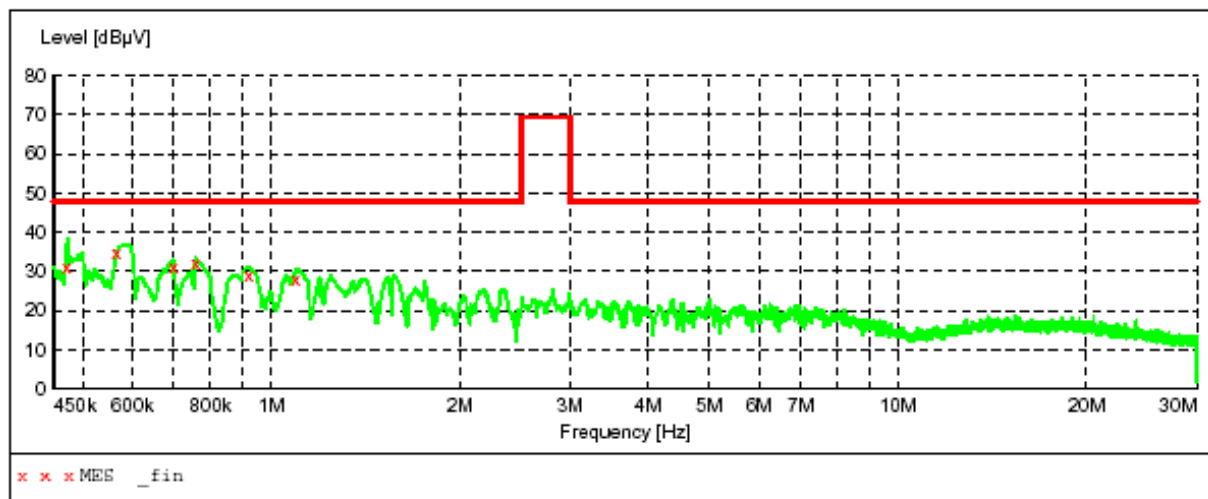
BEST TEST SERVICE SHENZHEN CO., LTD

Voltage Mains Test FCC Part 18

EUT: CFL M/N:GY25S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage



MEASUREMENT RESULT:

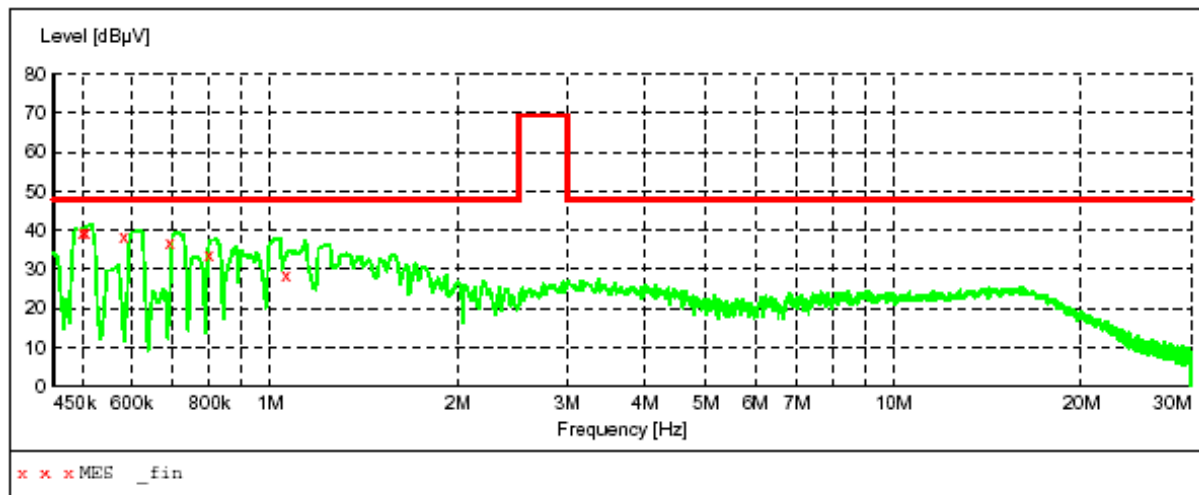
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.471000	31.40	10.1	48	16.5	QP	N	GND
0.566000	34.60	10.1	48	13.3	QP	N	GND
0.698000	31.10	10.1	48	16.8	QP	N	GND
0.758000	32.40	10.1	48	15.5	QP	N	GND
0.920000	29.20	10.1	48	18.7	QP	N	GND
1.094000	28.10	10.2	48	19.8	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY25S
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: 3# SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M) QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

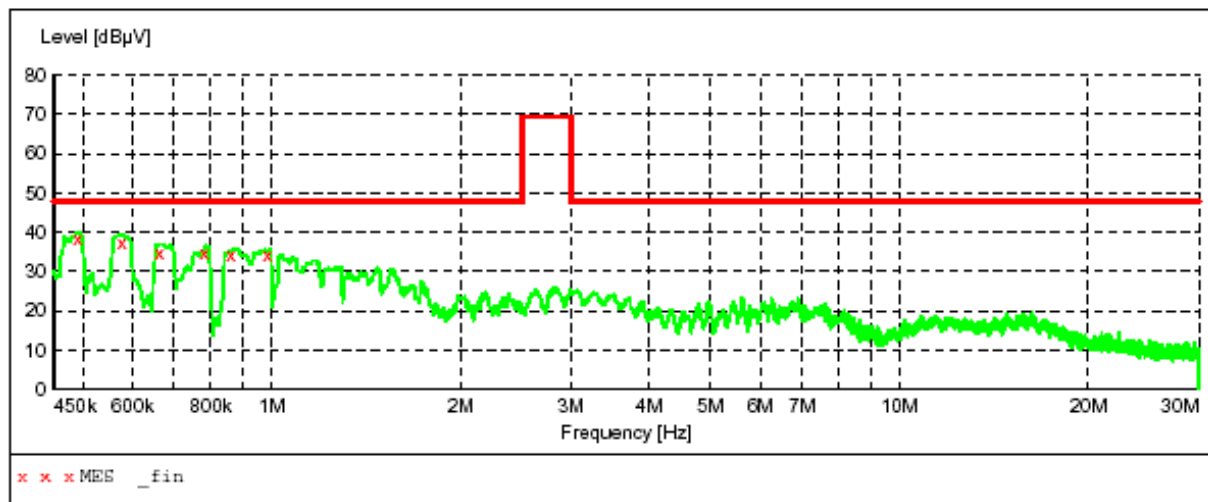
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.500000	39.70	10.1	48	8.2	QP	L1	GND
0.506000	39.40	10.1	48	8.5	QP	L1	GND
0.584000	38.40	10.1	48	9.5	QP	L1	GND
0.692000	37.00	10.1	48	10.9	QP	L1	GND
0.800000	33.90	10.1	48	14.0	QP	L1	GND
1.064000	28.80	10.2	48	19.1	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY26S
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: 3# SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)QP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

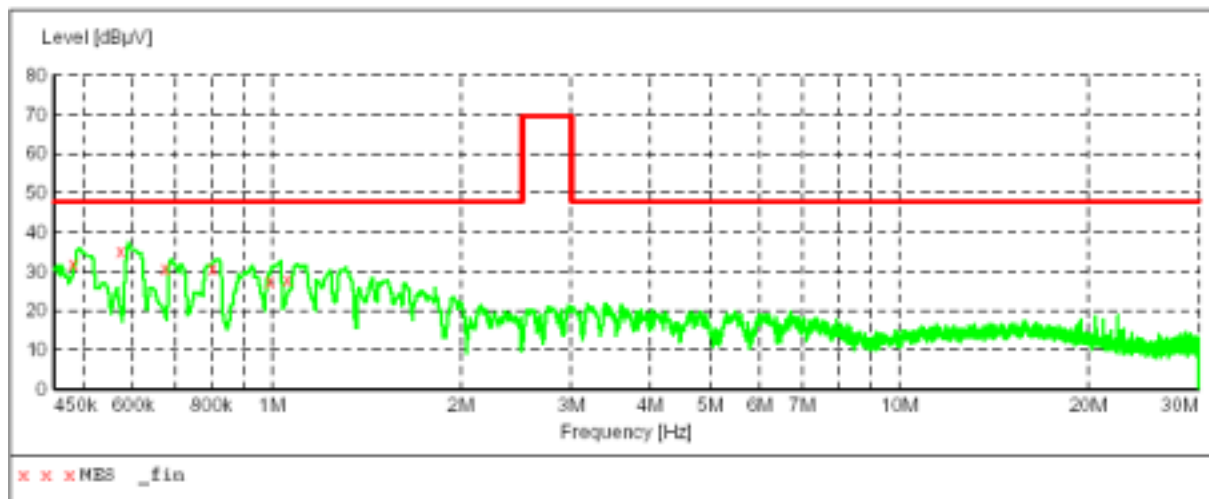
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.492000	38.50	10.1	48	9.4	QP	L1	GND
0.578000	37.40	10.1	48	10.5	QP	L1	GND
0.662000	35.00	10.1	48	12.9	QP	L1	GND
0.782000	34.90	10.1	48	13.0	QP	L1	GND
0.860000	34.10	10.1	48	13.8	QP	L1	GND
0.986000	34.40	10.2	48	13.5	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GY26S
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

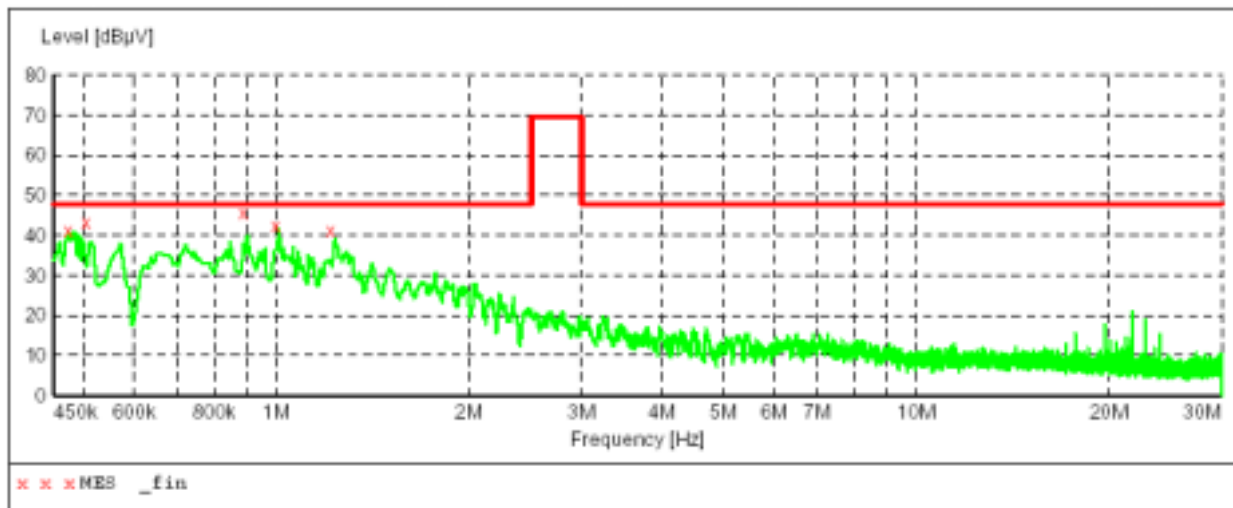
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.483000	32.00	10.1	48	15.9	QP	N	GND
0.572000	35.10	10.1	48	12.8	QP	N	GND
0.674000	30.70	10.1	48	17.2	QP	N	GND
0.806000	30.50	10.1	48	17.4	QP	N	GND
0.992000	27.60	10.2	48	20.3	QP	N	GND
1.058000	27.70	10.2	48	20.2	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: CPL M/N:GYS13GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

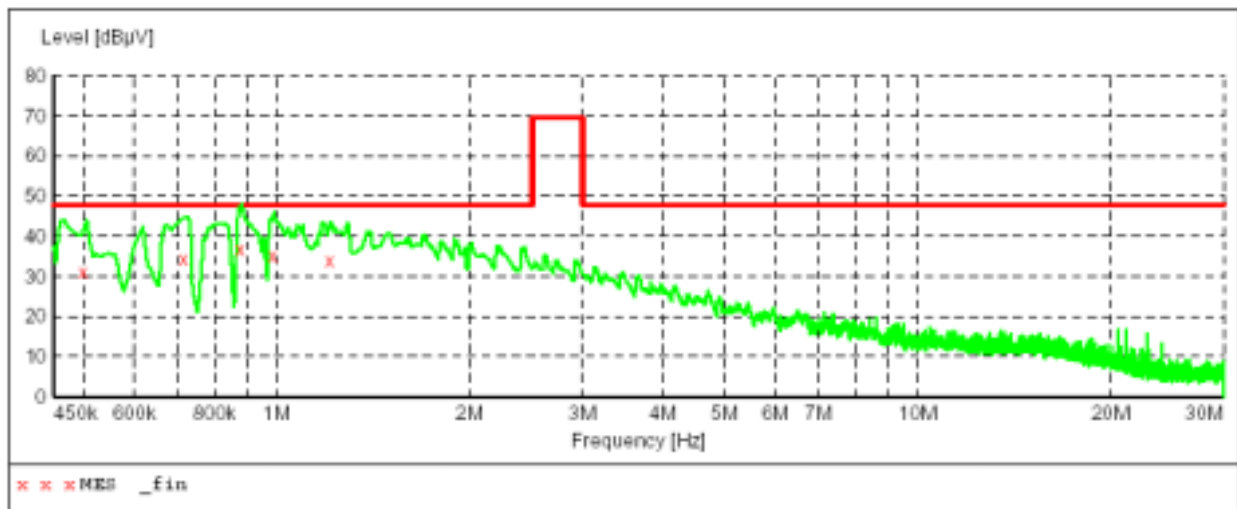
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.474000	41.10	10.1	48	6.8	QP	L1	GND
0.506000	43.10	10.1	48	4.8	QP	L1	GND
0.890000	45.70	10.1	48	2.2	QP	L1	GND
0.998000	42.40	10.2	48	5.5	QP	L1	GND
1.214000	41.30	10.2	48	6.6	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS13GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

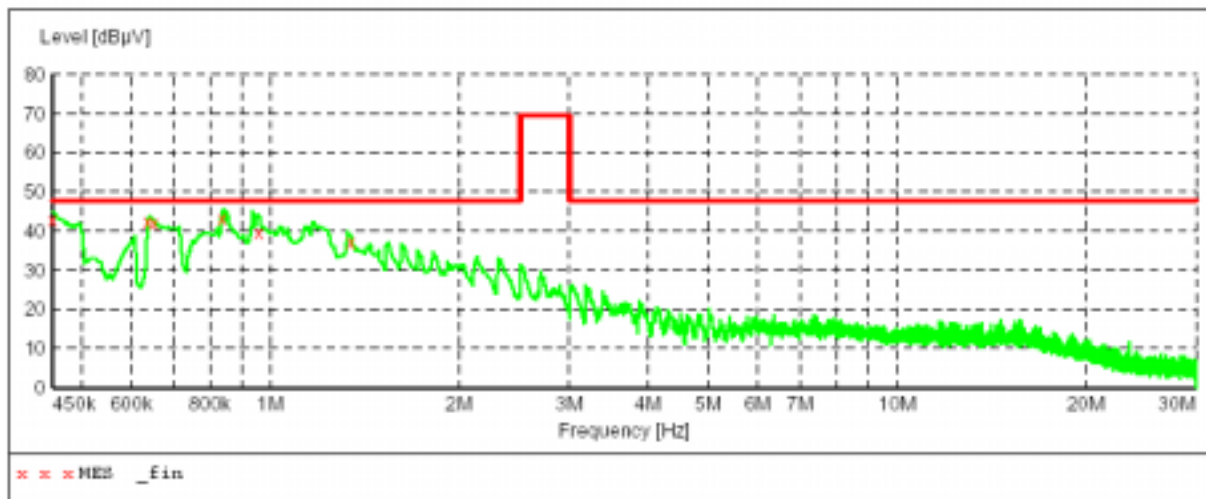
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.500000	31.10	10.1	48	16.8	QP	N	GND
0.716000	34.50	10.1	48	13.4	QP	N	GND
0.878000	36.70	10.1	48	11.2	QP	N	GND
0.986000	35.30	10.2	48	12.6	QP	N	GND
1.208000	33.90	10.2	48	14.0	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS15GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

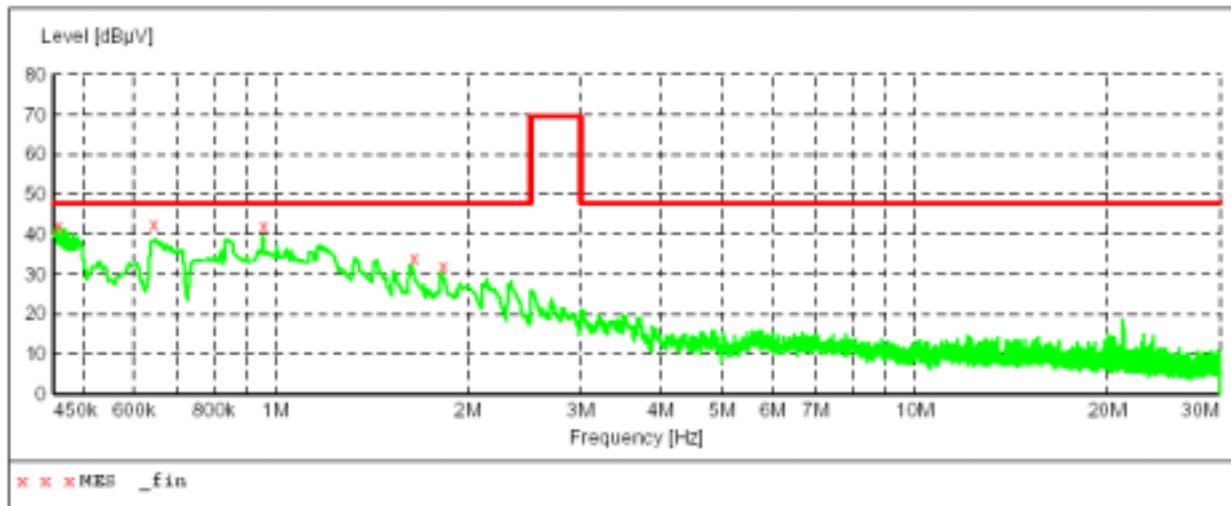
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.450000	43.00	10.1	48	4.9	QP	L1	GND
0.638000	42.30	10.1	48	5.6	QP	L1	GND
0.650000	42.20	10.1	48	5.7	QP	L1	GND
0.836000	43.30	10.1	48	4.6	QP	L1	GND
0.956000	39.50	10.2	48	8.4	QP	L1	GND
1.346000	37.10	10.2	48	10.8	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS15GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

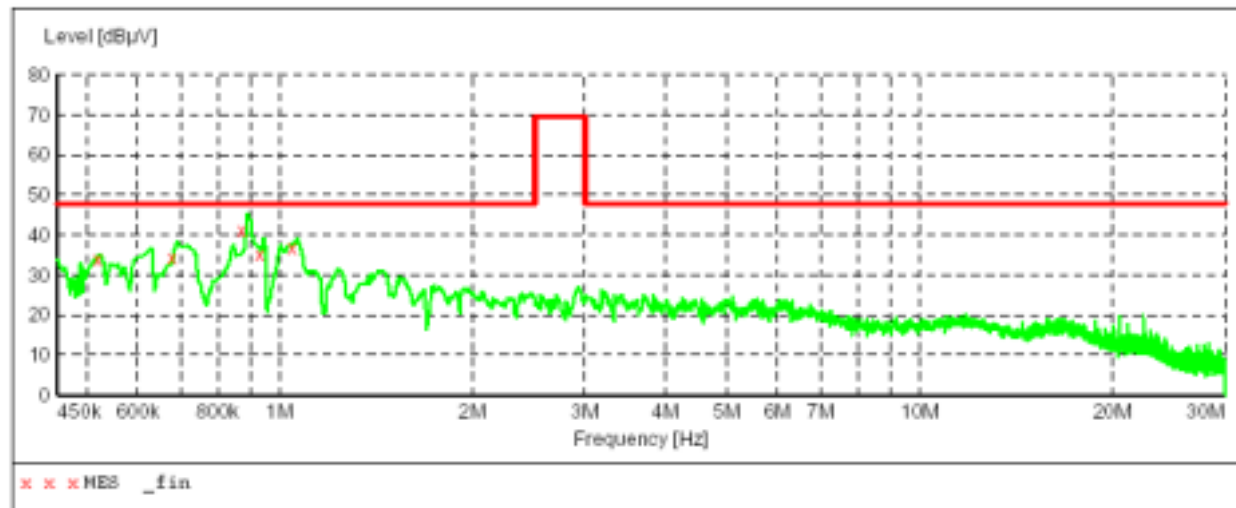
Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.456000	42.00	10.1	48	5.9	QP	N	GND
0.644000	42.50	10.1	48	5.4	QP	N	GND
0.956000	42.10	10.2	48	5.8	QP	N	GND
1.646000	34.00	10.2	48	13.9	QP	N	GND
1.826000	32.10	10.2	48	15.8	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS18GU
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: 3# SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

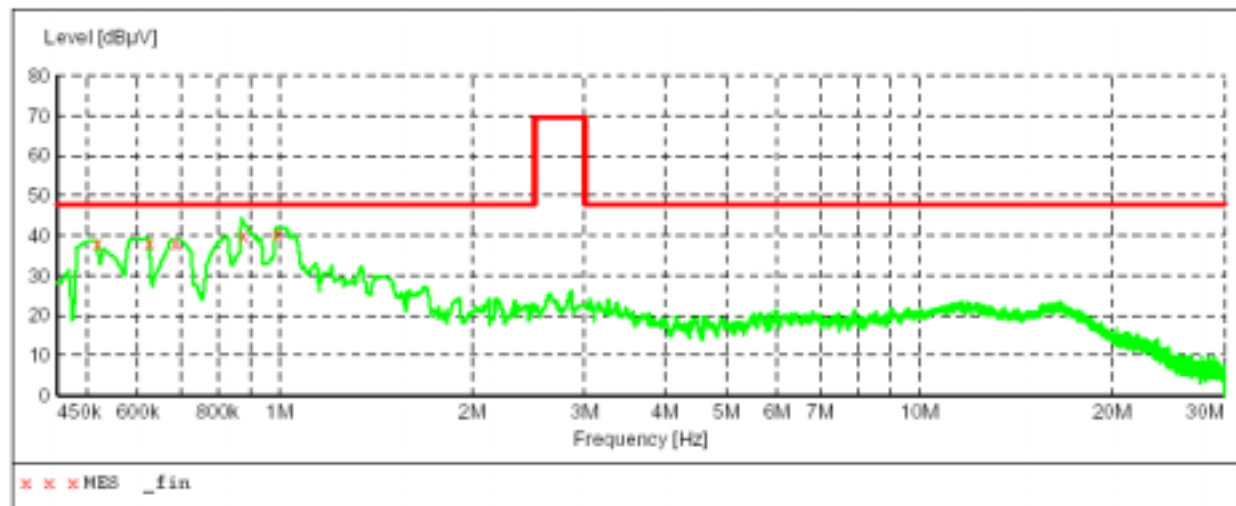
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.518000	33.80	10.1	48	14.1	QP	N	GND
0.680000	34.50	10.1	48	13.4	QP	N	GND
0.872000	41.20	10.1	48	6.7	QP	N	GND
0.932000	35.30	10.1	48	12.6	QP	N	GND
1.046000	36.90	10.2	48	11.0	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS18GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

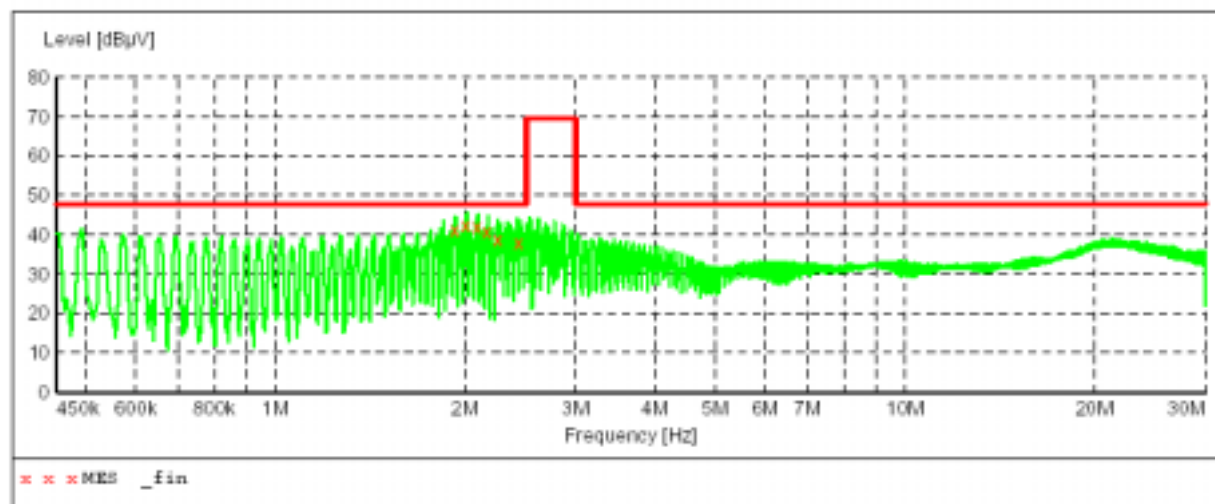
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.518000	38.00	10.1	48	9.9	QP	L1	GND
0.626000	38.20	10.1	48	9.7	QP	L1	GND
0.686000	38.10	10.1	48	9.8	QP	L1	GND
0.878000	40.10	10.1	48	7.8	QP	L1	GND
0.992000	40.50	10.2	48	7.4	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS20GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

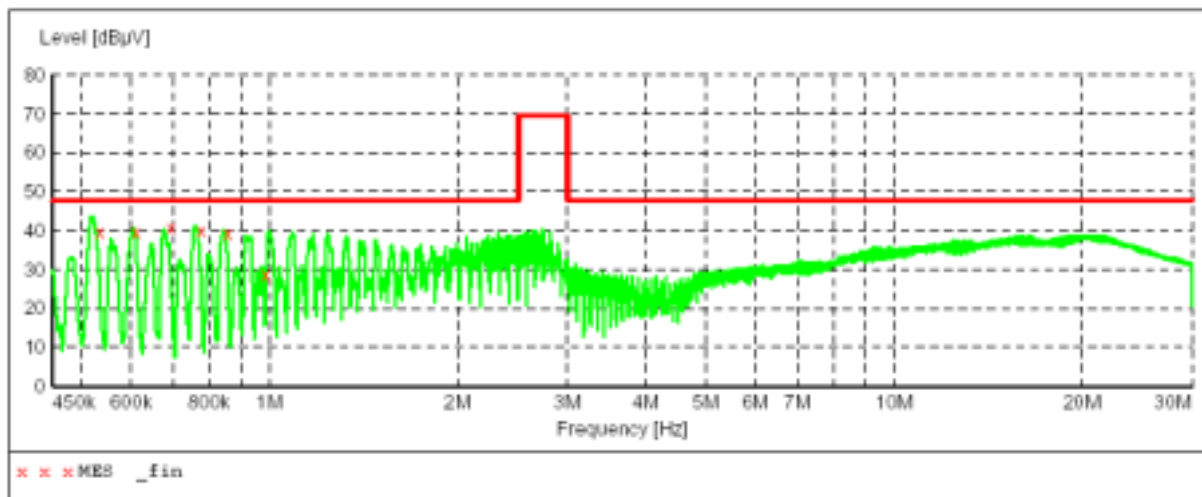
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
1.924000	41.40	10.2	48	6.5	QP	N	GND
2.006000	42.30	10.2	48	5.6	QP	N	GND
2.088000	42.10	10.2	48	5.8	QP	N	GND
2.170000	40.90	10.2	48	7.0	QP	N	GND
2.252000	39.00	10.2	48	8.9	QP	N	GND
2.438000	37.90	10.2	48	10.0	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS20GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

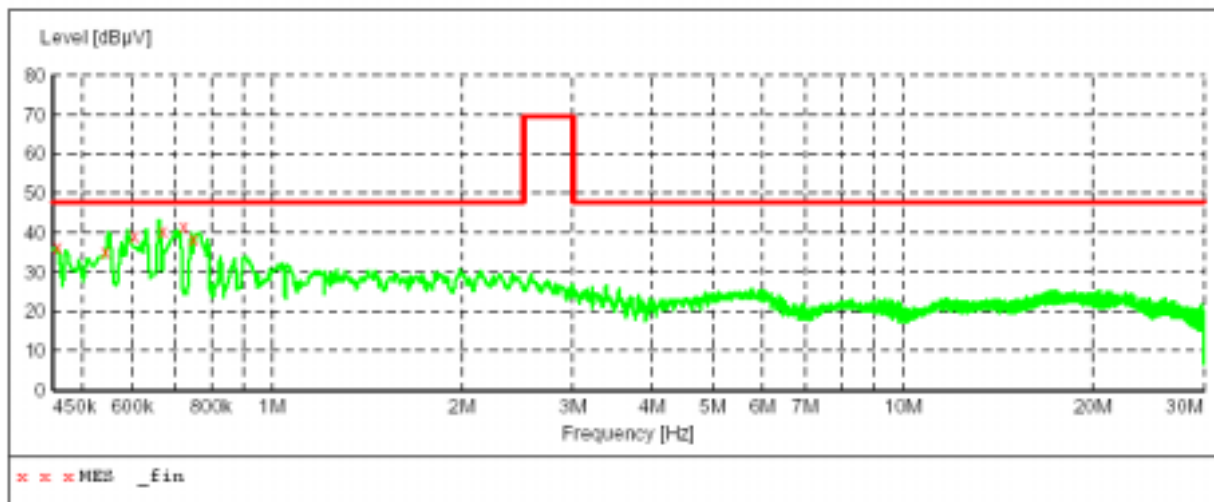
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.534000	39.70	10.1	48	8.2	QP	L1	GND
0.612000	39.70	10.1	48	8.2	QP	L1	GND
0.694000	40.70	10.1	48	7.2	QP	L1	GND
0.776000	40.10	10.1	48	7.8	QP	L1	GND
0.858000	39.10	10.1	48	8.8	QP	L1	GND
0.986000	28.60	10.2	48	19.3	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS23GU
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

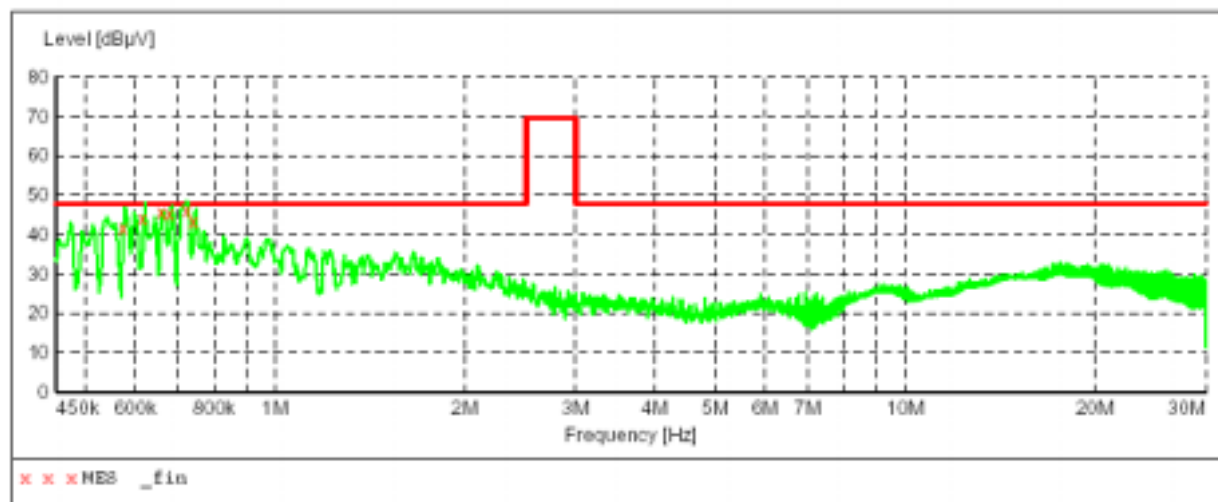
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.458000	36.40	10.1	48	11.5	QP	N	GND
0.544000	35.20	10.1	48	12.7	QP	N	GND
0.604000	39.30	10.1	48	8.6	QP	N	GND
0.670000	40.60	10.1	48	7.3	QP	N	GND
0.726000	41.50	10.1	48	6.4	QP	N	GND
0.752000	38.30	10.1	48	9.6	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS23GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

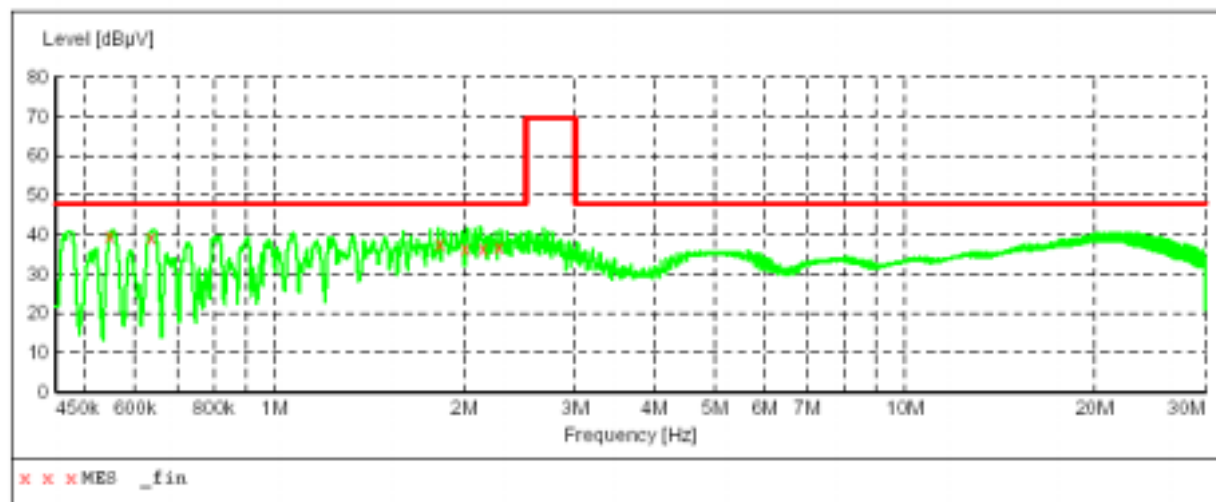
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.574000	41.80	10.1	48	6.1	QP	L1	GND
0.616000	44.10	10.1	48	3.8	QP	L1	GND
0.658000	45.70	10.1	48	2.2	QP	L1	GND
0.680000	45.30	10.1	48	2.6	QP	L1	GND
0.722000	45.90	10.1	48	2.0	QP	L1	GND
0.740000	43.40	10.1	48	4.5	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS25GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

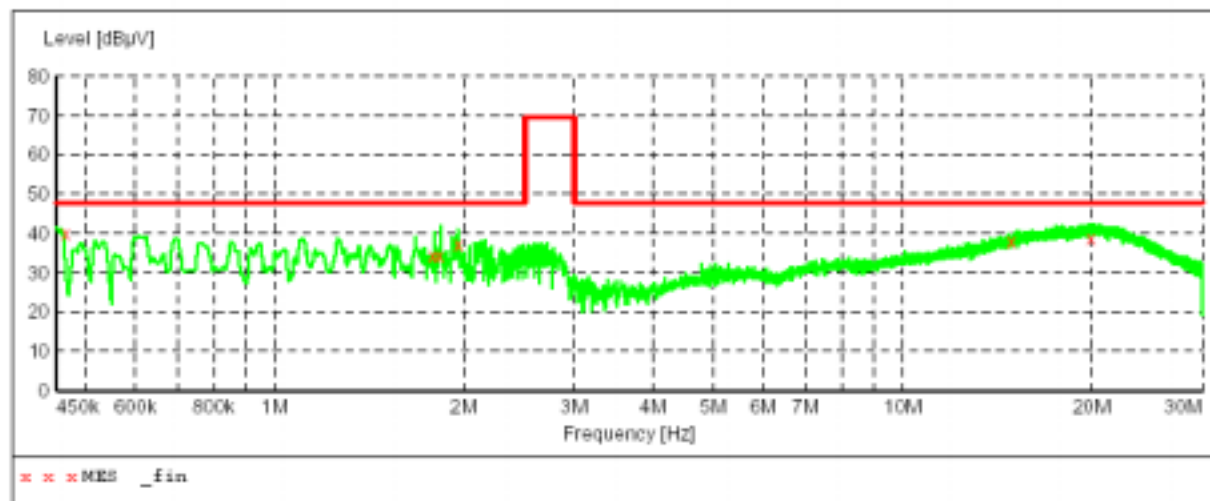
Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.548000	39.80	10.1	48	8.1	QP	N	GND
0.636000	39.40	10.1	48	8.5	QP	N	GND
1.826000	37.70	10.2	48	10.2	QP	N	GND
2.012000	36.20	10.2	48	11.7	QP	N	GND
2.136000	36.50	10.2	48	11.4	QP	N	GND
2.266000	36.70	10.2	48	11.2	QP	N	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS25GU
 Manufacturer: ELEGANT
 Operating Condition: ON
 Test Site: SHIELDED ROOM
 Operator: Paul
 Test Specification: AC 120V/60Hz
 Comment:
 Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

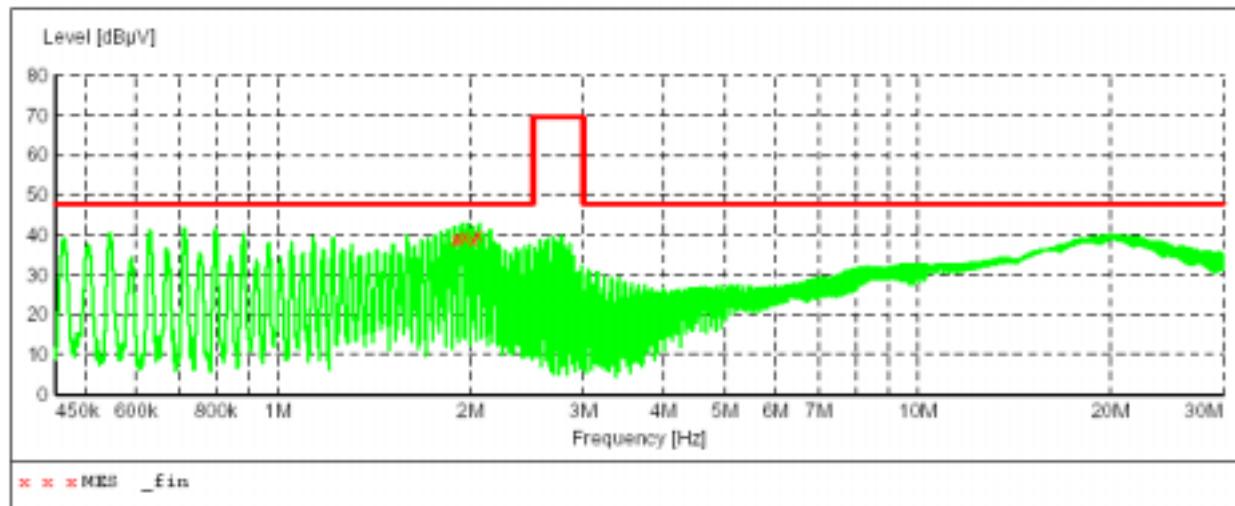
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.466000	39.90	10.1	48	8.0	QP	L1	GND
1.782000	34.30	10.2	48	13.6	QP	L1	GND
1.832000	34.40	10.2	48	13.5	QP	L1	GND
1.958000	37.20	10.2	48	10.7	QP	L1	GND
14.876000	37.90	10.6	48	10.0	QP	L1	GND
19.952000	38.80	11.1	48	9.1	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS26GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

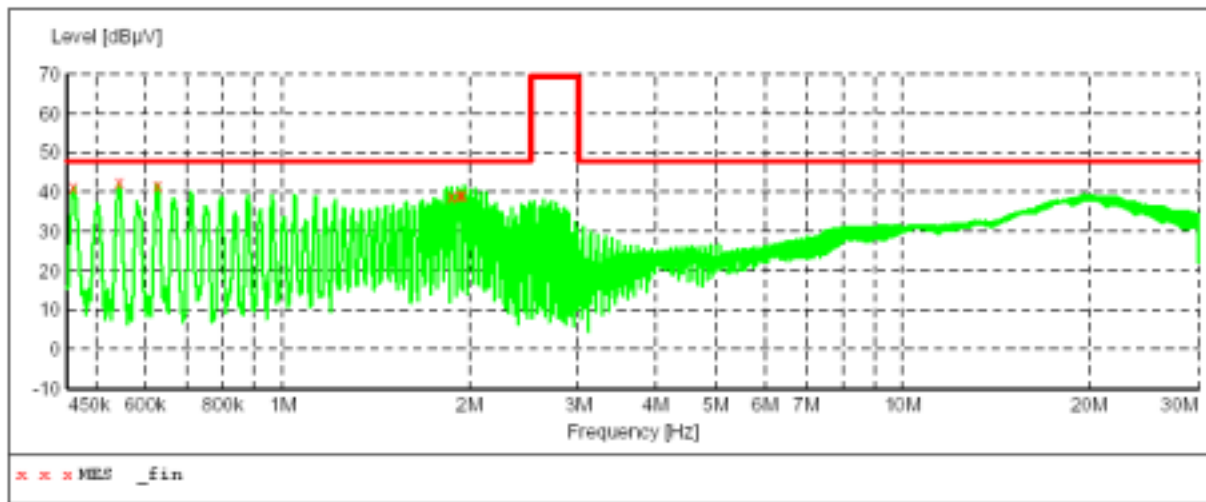
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
1.888000	39.00	10.2	48	8.9	QP	L1	GND
1.920000	39.20	10.2	48	8.7	QP	L1	GND
1.962000	39.50	10.2	48	8.4	QP	L1	GND
2.014000	39.00	10.2	48	8.9	QP	L1	GND
2.056000	40.00	10.2	48	7.9	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC PART 18**

EUT: CFL M/N:GYS26GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)FIN"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

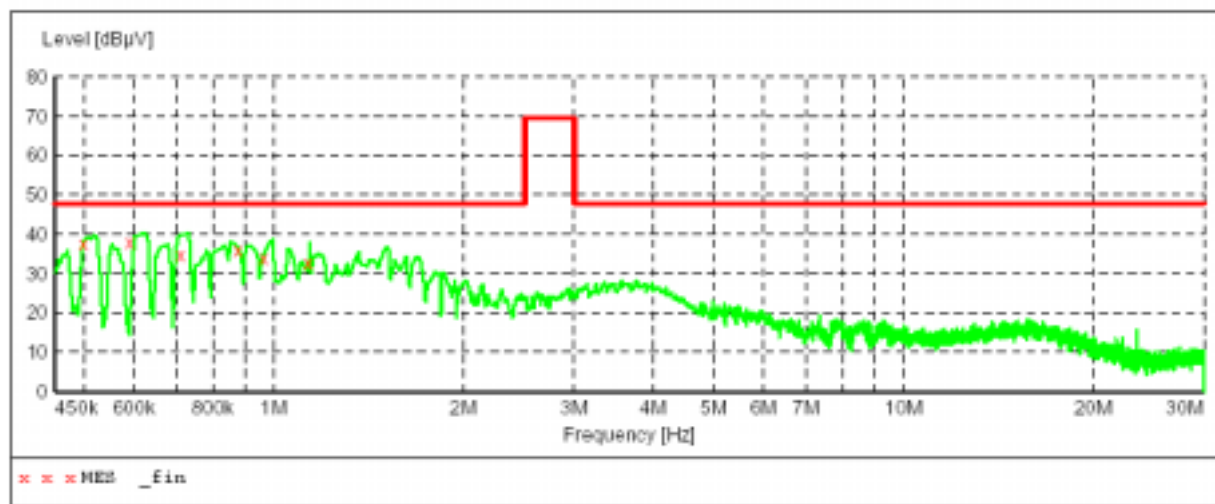
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.460000	41.30	10.1	48	6.6	QP	N	GND
0.544000	42.60	10.1	48	5.3	QP	N	GND
0.628000	41.70	10.1	48	6.2	QP	N	GND
1.872000	38.70	10.2	48	9.2	QP	N	GND
1.928000	39.20	10.2	48	8.7	QP	N	GND
1.956000	39.20	10.2	48	8.7	QP	N	GND

BEST TEST SERVICE SHENZHEN CO., LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS30GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

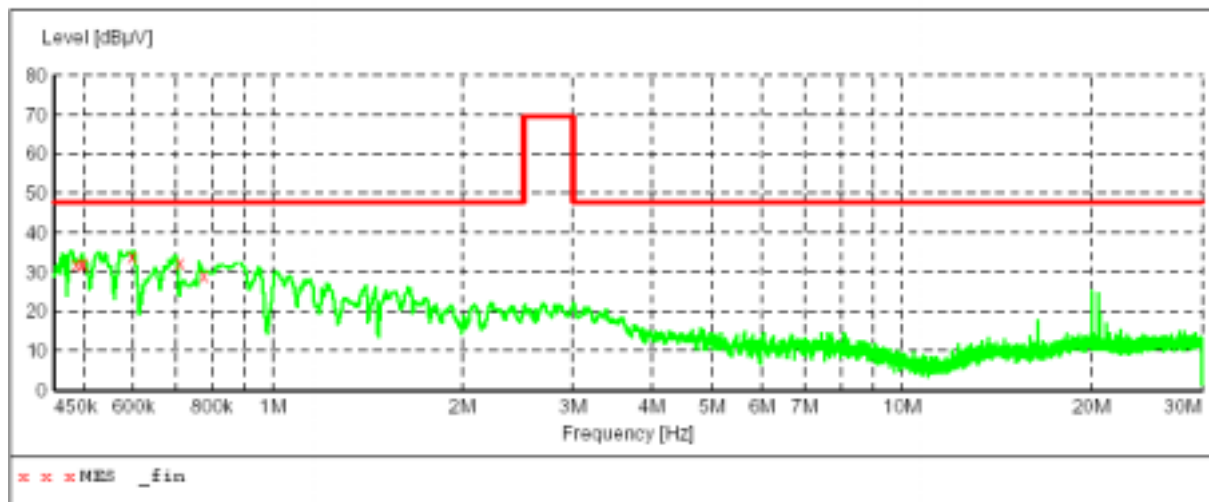
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.500000	37.40	10.1	48	10.5	QP	L1	GND
0.590000	37.80	10.1	48	10.1	QP	L1	GND
0.710000	34.90	10.1	48	13.0	QP	L1	GND
0.878000	36.00	10.1	48	11.9	QP	L1	GND
0.962000	34.00	10.2	48	13.9	QP	L1	GND
1.136000	32.60	10.2	48	15.3	QP	L1	GND

BEST TEST SERVICE SHENZHEN CO.,LTD**Voltage Mains Test FCC Part 18**

EUT: CFL M/N:GYS30GU
Manufacturer: ELEGANT
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: Paul
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 6/13/2007

SCAN TABLE: "Voltage (9K-30M)OP"

Short Description: 150K-30M Voltage

**MEASUREMENT RESULT:**

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.486000	31.80	10.1	48	16.1	QP	N	GND
0.498000	32.10	10.1	48	15.8	QP	N	GND
0.500000	32.30	10.1	48	15.6	QP	N	GND
0.596000	33.90	10.1	48	14.0	QP	N	GND
0.710000	32.30	10.1	48	15.6	QP	N	GND
0.776000	29.20	10.1	48	18.7	QP	N	GND