

FCC PART 18 ID

MEASUREMENT AND TEST REPORT

For

GOLDPOINT INT' L LIMITED

FLAT/RM A, 11/F, RITZ PLAZA, 122 AUSTIN RD, TSIMSHATSUI, KL, HONG KONG

FCC ID: QRZGPLDW004

April 29, 2004

This Report Concerns: <input checked="" type="checkbox"/> Original Report	Equipment Type: Ceiling Lamp
Test Engineer: <u>Jandy Su</u>	
Report Number <u>RSH03073006</u>	
Test Date: <u>April 28, 2004</u>	
Reviewed By: <u>Ling Zhang</u>	
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Note: This test report is specially limited to the use of the above client company and the product model only. It may not be duplicated without prior written consent of Bay Area Compliance Laboratory Corporation. This report **must not** be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *GOLDPOINT INT' L LIMITED.*'s model *DW004*, *DW006* or the "EUT" as referred to in this report is a *Ceiling Lamp* which measures approximately in the table, rated input voltage: AC 120 V/60Hz.

EUT	Length (cm)	Wide (cm)	Height (cm)
DW004	36.5	36.5	7.5
DW006	38.5	38.5	26.0

Note: Above two models have the same ballast, only the shape is different.

* *The test data gathered are from production sample, serial number: 030735, provided by the manufacturer.*

Objective

The following test report is prepared on behalf of *GOLDPOINT INT' L LIMITED* 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 determine 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, FCC Methods of Measurements of Radio Noise Emissions from ISM Equipment, February 1986. All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratory Corp. The radiated testing was performed at an antenna-to-EUT distance of 3 Meters.

Test Facility

Test site at Bay Area Compliance Laboratory Corporation has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports has been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997 and Article 8 of the VCCI regulations on December 25, 1997. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2001 and FCC MP-5.

The Federal Communications Commission and Voluntary Control Council for Interference has the reports on file and is listed under FCC file 31040/SIT 1300F2 and VCCI Registration No.: C-1298 and R-1234. The test site has been approved by the FCC and VCCI for public use and is listed in the FCC Public Access Link (PAL) database.

External Cable

Cable Description	Length (M)	From/Port	To
Unshielded Undetachable Power Cable	1.5	AC Mains	EUT

SYSTEM TEST CONFIGURATION

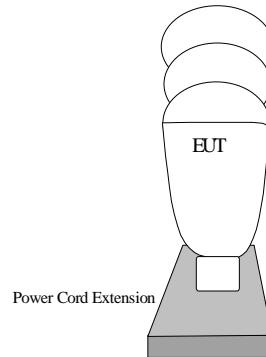
Justification

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

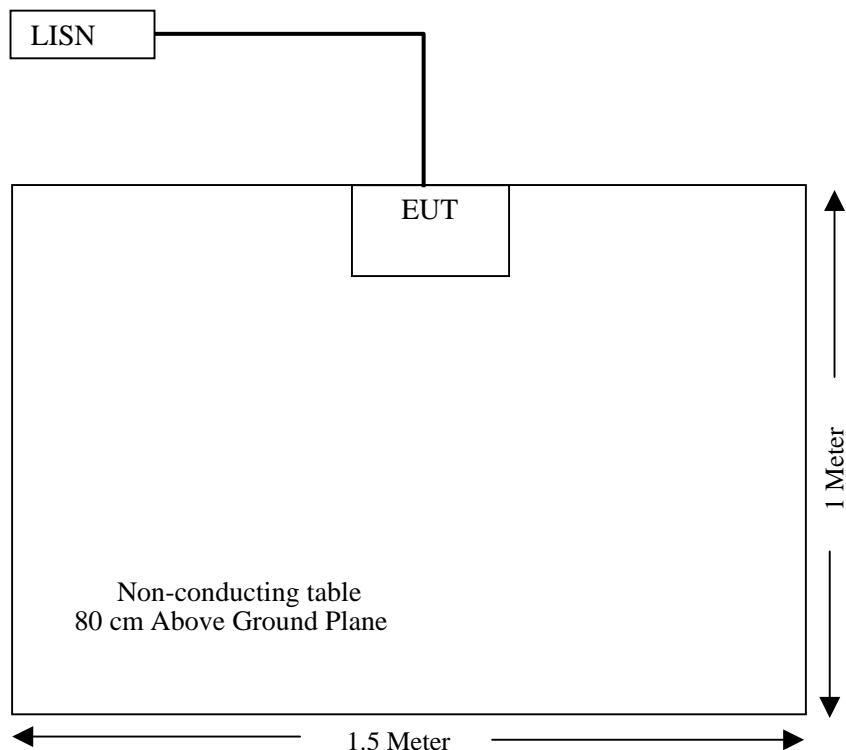
Equipment Modifications

The EUT tested was not modified by BACL.

Configuration of Test System



Test Setup Block Diagram



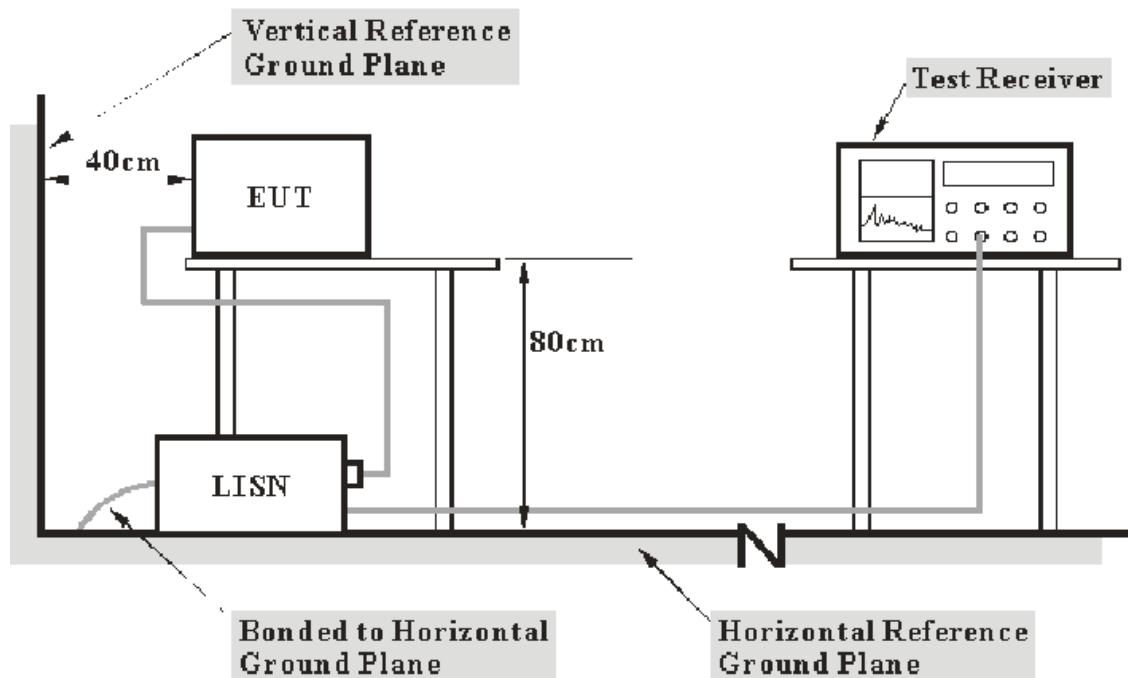
CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at BACL is ± 2.4 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 a 120 VAC/ 60Hz power source.

Spectrum Analyzer Setup

The spectrum analyzer was set to investigate the spectrum from 450 KHz to 30MHz.

During the conducted emission test, the spectrum analyzer was set with the following configurations:

<i>Frequency Range</i>	<i>RBW</i>	<i>Video B/W</i>
450KHz - 30MHz	10KHz	10KHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
COM Power	LISN	LI-200	12208	2003-10-30	2004-10-29
COM Power	LISN	LI-200	12005	2003-10-30	2004-10-29
R/S	Spectrum Analyzer	FSEM	849720/019	2003-10-30	2004-10-29
FLUKE	True RMS Multimeter	187	78540402	2004-3-23	2005-3-22

Test Procedure

During the conducted emission test, the EUT power cord was connected to the outlet of the LISN.

Maximizing procedure were performed on the six (6) highest emissions of the EUT.

All data was recorded in the peak detection mode.

Test Data

Date of Test : April 28, 2004 Temperature : 25°C
 EUT : Ceiling Lamp Humidity : 70%
 M/N : DW004 Operating Mode : On
 S/N : 030735 Test Engineer: Jandy Su

LINE CONDUCTED EMISSIONS				FCC PART 18	
Frequency MHz	Amplitude dB μ V	Detector QP/AV/Peak	Phase Line/Neutral	Limit dB μ V	Margin dB
0.45	42.6	PK	Line	48	-5.4
0.54	41.7	PK	Line	48	-6.3
0.51	41.0	PK	Line	48	-7.0
0.45	41.0	PK	Neutral	48	-7.1
0.47	40.0	PK	Neutral	48	-8.0
0.59	39.1	PK	Neutral	48	-9.0

Date of Test : April 28, 2004 Temperature : 25°C
 EUT : Ceiling Lamp Humidity : 70%
 M/N : DW006 Operating Mode : On
 S/N : 030735 Test Engineer: Jandy Su

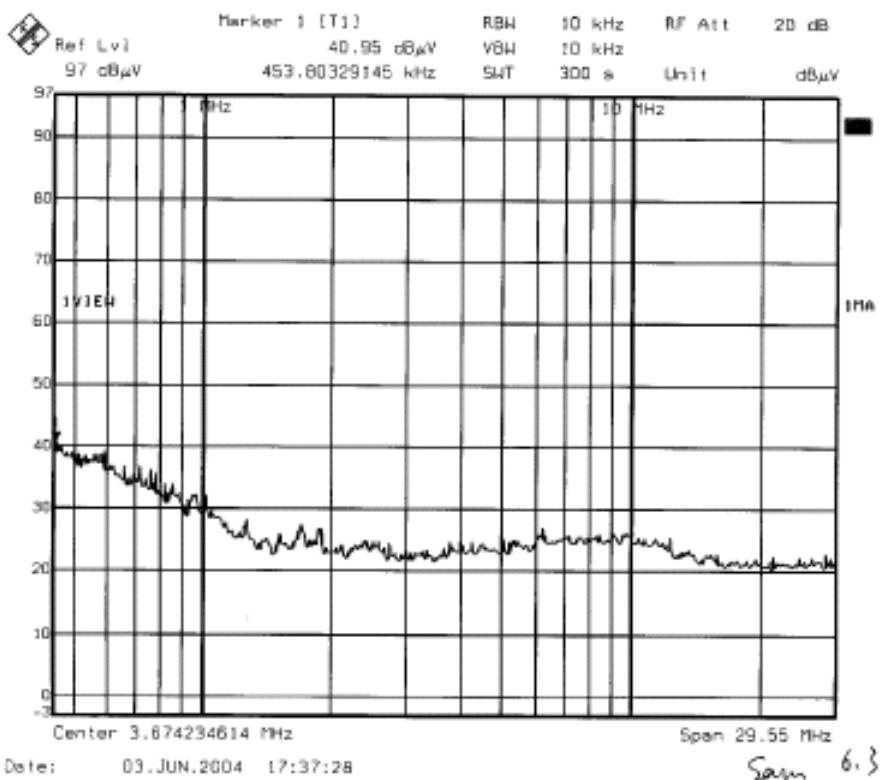
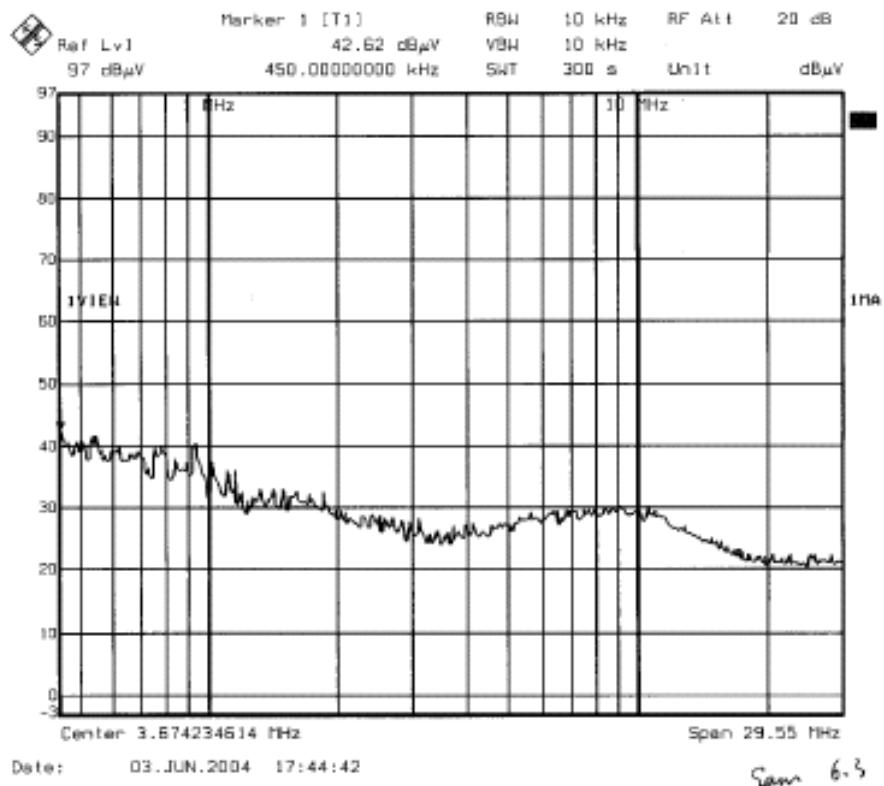
LINE CONDUCTED EMISSIONS				FCC PART 18	
Frequency MHz	Amplitude dB μ V	Detector QP/AV/Peak	Phase Line/Neutral	Limit dB μ V	Margin dB
0.49	44.0	PK	Line	48	-4.1
0.45	42.3	PK	Line	48	-5.7
0.45	40.7	PK	Neutral	48	-7.3
0.49	40.4	PK	Neutral	48	-7.6
22.73	23.4	PK	Line	48	-24.6
22.53	19.6	PK	Neutral	48	-28.4

Test Result: Pass

Plot(s) of Test Data

Plot(s) of Test Data is presented hereinafter as reference.

DW004:



DW006:

