



CE EMC UPDATE TEST REPORT

for

LCD Monitor

MODEL: L190NY

Test Report Number:
T120508L04-E

Issued for

COMPAL ELECTRONICS, INC.

No. 581, Ruiguang Rd., Neihu District, Taipei City 11492, Taiwan

Issued By:

Compliance Certification Services Inc.

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 25, 2010	Initial Issue	All	Angel Hu
01	March 3, 2011	See following note Rev.(01)	All	Angel Hu
02	May 9, 2012	See following note Rev.(02)	All	Angel Hu

Note:

Rev.(01) :

1. Applicant adds cables (Power Adapter cable, Audio Cable, D-SUB Cable and DVI Cable) as per customer requested to re-test.
(Please refer to have ** mark items on this report)
2. Other information please refers to the T100812102 and this test report.

Rev.(02) :

1. Applicant upgrades standard version from EN 55022, EN 61000-3-2 and EN 55024. After the estimate, it is unnecessary to final tested.
2. Other information please refers to the T100812102, T110301114 and this test report.



1 TEST CERTIFICATION

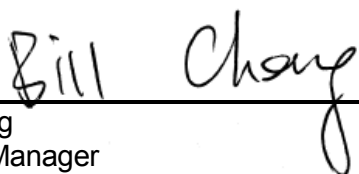
Product:	LCD Monitor	
Model:	L190NY	
Brand:	NEC	
Applicant:	COMPAL ELECTRONICS, INC. No. 581, Ruiguang Rd., Neihu District, Taipei City 11492, Taiwan	
Manufacturer:	1. Compal Electronics (China) Co., Ltd. No. 988, Tong Feng East Road, Kunshan Economic & Technical Development Zone, Kunshan, Jiangsu, P.R.C. 2. Compal Optoelectronics (kunshan) Co., LTD No. 988, TONG FENG E.RD. KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANGSU, PROC	
Tested:	N/A	
Test Voltage:	230VAC , 50Hz	
Applicable Standards:	EN 55022: 2010, Class B EN 61000-3-2: 2006 + A1: 2009 + A2: 2009, Class D EN 61000-3-3: 2008	EN 55024: 2010 IEC 61000-4-2: 2008 IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010 IEC 61000-4-4: 2004 IEC 61000-4-5: 2005 IEC 61000-4-6: 2008 IEC 61000-4-8: 2009 IEC 61000-4-11: 2004

Deviation from Applicable Standard

None

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements of technical standards specified above under the EMC Directive 2004/108/EC. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties

Approved by:


Bill Cheng
Section Manager

Reviewed by:


Jill Shiao
Section Manager



2 TEST RESULT SUMMARY

EMISSION			
Standard	Item	Result	Remarks
EN 55022: 2010	Conducted (Main Port)	N/A	Meet Class B limit
	Conducted (Telecommunication port)	N/A	No applicable, the EUT doesn't have LAN Port or Modem port.
	Radiated	N/A	Meet Class B limit
EN 61000-3-2: 2006 + A1: 2009 + A2: 2009	Harmonic current emissions	N/A	Meet Class D limit
EN 61000-3-3: 2008	Voltage fluctuations & flicker	N/A	Meets the requirements

IMMUNITY 【 EN 55024 (2010) 】			
Standard	Item	Result	Remarks
IEC 61000-4-2: 2008	ESD	N/A	Meets the requirements of Performance Criterion B
IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010	RS	N/A	Meets the requirements of Performance Criterion A
IEC 61000-4-4: 2004	EFT	N/A	Meets the requirements of Performance Criterion B
IEC 61000-4-5: 2005	Surge	N/A	Meets the requirements of Performance Criterion B
IEC 61000-4-6: 2008	CS	N/A	Meets the requirements of Performance Criterion A
IEC 61000-4-8: 2009	PFMF	N/A	Meets the requirements of Performance Criterion A
IEC 61000-4-11: 2004	Voltage dips & voltage variations	N/A	Meets the requirements of Voltage Dips: 1) >95% reduction Performance Criterion B 2) 30% reduction Performance Criterion C Voltage Interruptions: 1) >95% reduction Performance Criterion C

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
2. The information of measurement uncertainty is available upon the customer's request.



3 EUT DESCRIPTION

Product	LCD Monitor		
Model	L190NY		
Brand	NEC		
Applicant	COMPAL ELECTRONICS, INC.		
Serial Number	T120508L04		
Received Date	May 8, 2012		
EUT Power Rating	100-240VAC, 50/60Hz		
AC Power Cord Type	Unshielded, 1.5m (Detachable)		
	Unshielded, 1.8m (Detachable)		
Audio Cable Type	Unshielded, 1.5m (Detachable)		
	Unshielded, 1.8m (Detachable)		
D-SUB Cable Type	Shielded, 1.5m (Detachable) with two cores		
	Shielded, 1.8m (Detachable) with two cores		
DVI Cable Type	Shielded, 1.5m (Detachable) with two cores		
	Shielded, 1.8m (Detachable) with two cores		
Keyboard Board Manufacturer	COMPAL	Model	VK-2017
MAIN Board Manufacturer	COMPAL	Model	VL-2017
Power Board Manufacturer	COMPAL	Model	VP-962
Earphone Board Manufacturer	COMPAL	Model	VS-952
Panel Manufacturer	LG	Model	LM190E09

I/O PORT

I/O PORT TYPES	Q'TY	TESTED WITH
1). D-SUB Port	1	1
2). Display Port	1	1
3). DVI Port	1	1
4). Audio In Port	1	1
5). Audio Out Port	1	1



PHOTOGRAPHS OF EUT

