

FCC DoC TEST REPORT

REPORT NO.: FD130509D11

MODEL NO.: P553, P553(C), MultiSync P553

RECEIVED: May 9, 2013

TESTED: May 9 ~ 10, 2013

ISSUED: May 22, 2013

APPLICANT: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.

ADDRESS: 10F., No. 230, Liancheng Rd., Zhonghe City, Taipei
County 23553, Taiwan

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd.,
Taoyuan Branch

LAB LOCATION: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei
City, Taiwan

This report should not be used by the client to claim product certification, approval, or endorsement by TAF, NVLAP, NIST or any government agencies.



This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification

Table of Contents

RELEASE CONTROL RECORD	3
1 CERTIFICATION.....	4
2 SUMMARY OF TEST RESULTS	5
2.1 MEASUREMENT UNCERTAINTY	5
3 GENERAL INFORMATION	6
3.1 GENERAL DESCRIPTION OF EUT	6
3.2 DESCRIPTION OF TEST MODES	7
3.3 DESCRIPTION OF SUPPORT UNITS	8
4 EMISSION TEST	11
4.1 CONDUCTED EMISSION MEASUREMENT.....	11
4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT	11
4.1.2 TEST INSTRUMENTS.....	12
4.1.3 TEST PROCEDURE.....	12
4.1.4 DEVIATION FROM TEST STANDARD.....	13
4.1.5 TEST SETUP.....	13
4.1.6 EUT OPERATING CONDITIONS	14
4.1.7 TEST RESULTS (1).....	15
4.1.8 TEST RESULTS (2).....	17
4.2 RADIATED EMISSION MEASUREMENT.....	19
4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT	19
4.2.2 TEST INSTRUMENTS.....	21
4.2.3 TEST PROCEDURE.....	23
4.2.4 DEVIATION FROM TEST STANDARD.....	23
4.2.5 TEST SETUP.....	24
4.2.6 EUT OPERATING CONDITIONS	24
4.2.7 TEST RESULTS (1).....	25
4.2.8 TEST RESULTS (2).....	29
5 PHOTOGRAPHS OF THE TEST CONFIGURATION	33
6 INFORMATION ON THE TESTING LABORATORIES.....	39
7 APP EN DX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB.....	40



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FD130509D11	Original release	May 22, 2013

1 CERTIFICATION

PRODUCT: LCD Monitor

BRAND NAME: NEC

MODEL NO: P553, P553(C), MultiSync P553

APPLICANT: TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: May 9 ~ 10, 2013

STANDARDS: FCC Part 15, Subpart B, Class B

ICES-003: 2012 Issue 5, Class B

ANSI C63.4-2009

The above equipment (model no.: P553) has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Sandra Lin , DATE: May 22, 2013
(Sandra Lin / Specialist)

APPROVED BY : Kenny Meng , DATE: May 27, 2013
(Kenny Meng / Assistant Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Remarks
FCC Part 15, Subpart B, Class B	Conducted Test	PASS	Meets Class B Limit Minimum passing margin is –15.76 dB at 0.705 μ MHz
ICES-003: 2012 Issue 5, Class B	Radiated Test (30MHz ~ 6GHz)	PASS	Meets Class B Limit Minimum passing margin is –4.01 dB at 69.1 μ MHz

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz ~ 30MHz	+/- 3.43 dB
Radiated emissions	30MHz ~ 1GHz	+/- 3.78 dB
	Above 1GHz	+/- 3.36 dB

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.