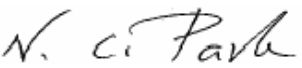


EMC Test Report

According to FCC Part 15 Subpart B

Project No.		LBE052358
Equipment under Test		
	Address	416 Maetan3-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, Korea, 443-742
	Product Name	PDP Monitor
	Model Name	YP80UO
	Manufacturer	Samsung Electronics Co., Ltd.
	Brand Name	SAMSUNG
	Variant Model	See Page 3
	FCC ID	A3LYP80UO
Date of Test		September 22 ~ 25, 2005
Issued Date		October 4, 2005

	Name/Position	Signature
Tested by	Tae Young, Jang Test Engineer	
Reviewed by	No Cheon, Park Manager of EMC Lab.	
Authorized by	Seung Kyu, Cha Chief of EMC Lab.	

1. This test reports does not constitute an endorsement by NIST/NVLAP or U.S Government.
2. This test report is to certify that the tested device properly complies with the requirements of FCC Rules and Regulations Part 15 Subpart B Unintentional Radiators.

All tests necessary to show compliance to the requirements were and these results met the specifications requirement.

This laboratory is registered by the NIST/NVLAP, U.S.A.

The test reported herein have been performed in accordance with its terms of registration.



NVLAP LAB CODE 200623-0

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1. General Information

1.1 Basic Information related Product

Applicant	Samsung Electronics Co., Ltd.
Model name	YP80UO
Applicant Address	Samsung Electronics Co., Ltd. 416 Maetan3- Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, Korea, 443-742
Contact Person	Chang Young, Choi
Kind of product	PDP Monitor
Valiant list	None
Manufacturer	Samsung Electronics Co., Ltd.

1.2 Detail Information related Product

Specification

Item(s)	Description
Maximum Resolution	1920 x 1080 @ 60Hz
Horizontal Frequency	31.5 ~ 80 kHz
Vertical Frequency	56 ~ 75 Hz

1.3 Operating Mode and Condition

The system was configured for testing in typical fashion use. Cables were attached to each of the available I/O Ports. Where applicable, peripherals were attached to the I/O cables. The mode of operation utilized for testing was selected to best simulate typical EUT use.

- PC Video in
- DVI Video in

1.4 Equipment Modifications

No equipment modifications were required.

1.5 Test Configuration

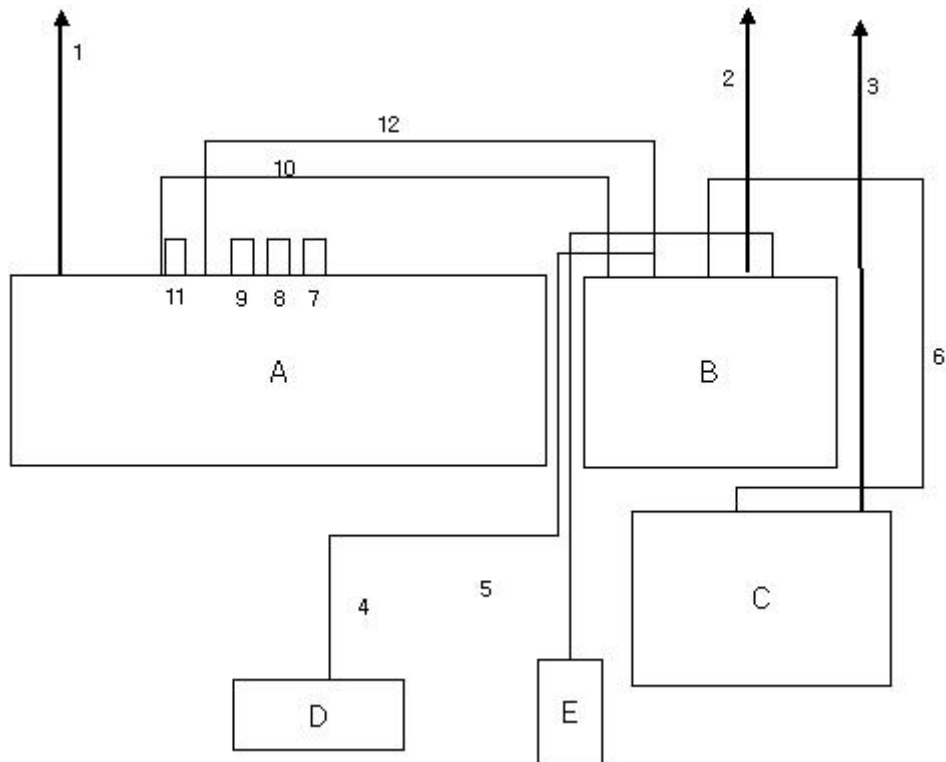
Used EUT and Peripherals

Seq	Device	Model Name	Serial #	Maker	FCC ID
A	PDP Monitor	YP80UO	-	SAMSUNG	A3LYP80UO
B	Personal Computer	MP22	D66892KTA00010	SAMSUNG	DoC
C	Printer	ML-1750	BABX822977N	SAMSUNG	A3LML-1750
D	PS/2 Keyboard	TKB-3000	C0501066811	TRUTION	DoC
E	PS/2 Mouse	Wheel mouse 3.0	-	SAMSUNG	DoC

Port Description

	Connect Cable	Length [m]	Shielded [Y/N]	Remark
1	Power	1.5	No	For EUT
2	Power	1.5	No	For PC
3	Power	1.5	No	For Printer
4	PS/2 Cable	1.5	No	For Keyboard
5	PS/2 Cable	1.5	No	For Mouse
6	Parallel Cable	1.5	Yes	To the PC
7	Component 1 in	1.5	Yes	Termination
8	Component 2 in	1.5	Yes	Termination
9	AV out	1.5	No	Termination
10	AV in	1.5	No	Termination
11	PC video in	1.5	No	To the PC
12	DVI Video in	1.5	No	To the PC

Block Diagram



1.6 Applied Standards

List

Applied Standards	Test Procedure
FCC Part15 Subpart B	ANSI C63.4: 2003

1.7 Test Facility

General Information

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1, 16-2.

This EMC Testing Lab. is accredited by Korea Laboratory Accreditation Scheme(KOLAS) which signed the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the above test item(s) and test method(s).

This Lab. is operated as testing laboratory in accordance with the requirements of ISO/IEC 17025:1998.

Accreditation and Listing



Uncertainty

(According to NAMAS Pub.NIS81)

Test Item	Expanded Uncertainty
Radiated Emission	± 5.09
Conducted Emission	± 1.64

2. Summary of Test Results

Result : PASS

The equipment under test(EUT) has been found to comply with the applied standards.

Test Name		Applied Standard	Result
Electromagnetic Emission Test			
3.1	Conducted Emission	FCC Part15 Subpart B	Complied
3.2	Radiated Emission	FCC Part15 Subpart B	Complied

3. Description of Individual Tests

3.1 Conducted Emission

Test Information		
	Test Engineer	Tae Young, JANG
	Test Date	September 26, 2005
	Climate Condition	Ambient Temperature : 20.5 Relative Humidity : 48%
	Test Place	Shield Room #5

Test Equipments

Equipment	Modal Name	Manufacturer	Serial No.	Calibration	
				Next Date	Interval
L.I.S.N	ESH3-Z5	R&S	100261	2006-07-13	12
Test Software	EP5CE	TOYO	None	N/A	N/A
Field strength meter	ESI 26	R&S	832692/002	2006-02-26	12
TV Signal Generator	PM5418-TDSI	PHILIPS	LO612437	2005-09-23	12
Field strength meter	ESS-30	R&S	844661/005	2006-01-11	12
RF Relais Matrix	PSU	R&S	861206/024	N/A	N/A

EUT Test Setup

The EUT was set up as per normal use on a wooden table 0.4m from a vertical ground reference plane, at least 0.8m from other conduction surfaces and 0.8m from the LISN.

See photo.

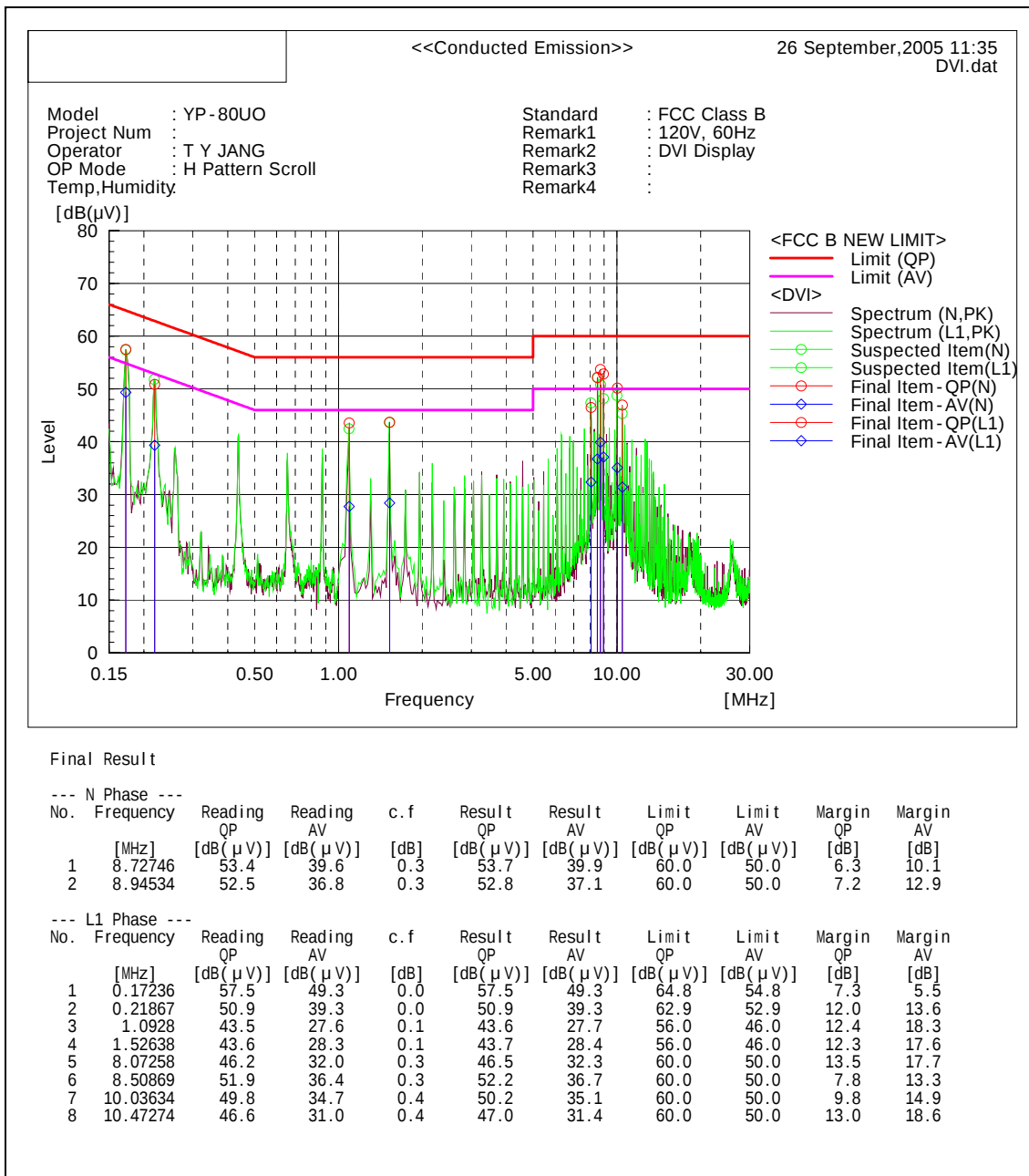
Test Result

Measurement Results	Pass The measured emissions of the EUT have found to be below the specified limits.
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Test Data

■ Operating Mode : DVI Video in

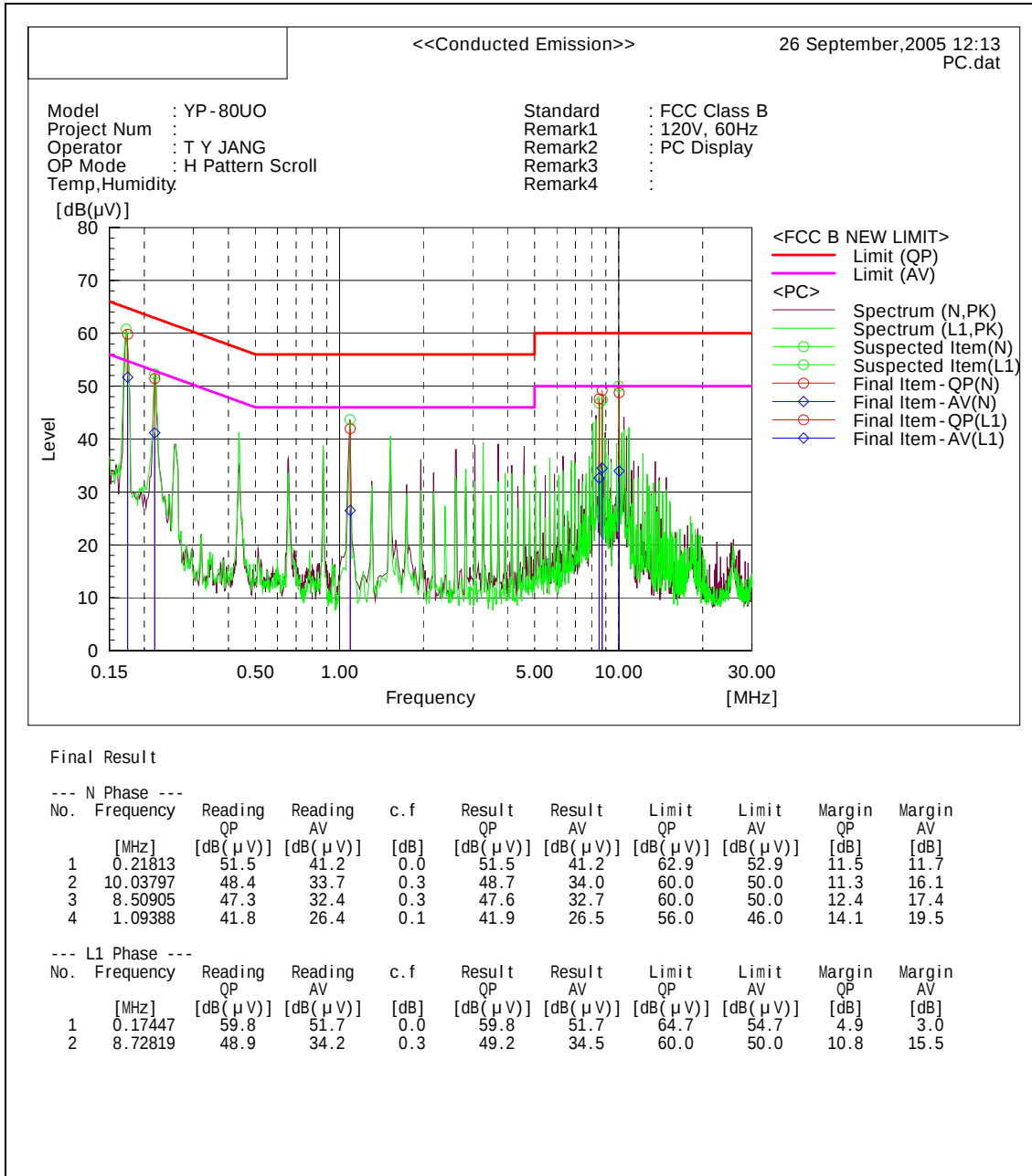
[Graph and Data]



Test Data

■ Operating Mode : PC Video in

[Graph and Data]



3.2 Radiated Emission

Test Information		
	Test Engineer	Tae Young, JANG
	Test Date	September 22, 2005
	Climate Condition	Ambient Temperature : 26.5 Relative Humidity : 21%
	Test Place	10m Semi-anechoic Chamber

Test Equipments

Equipment	Modal Name	Manufacturer	Serial No.	Calibration	
				Next Date	Interval
RF Selector	NS4900	TOYO	0303-015	N/A	N/A
Biconilog Antenna	6112B	SCHAFFNER	2767	2006-06-04	12
Mast Controller	HD2000	HD	HD20000902027	N/A	N/A
Test Software	EP5RET	TOYO	None	N/A	N/A
Test Software	EP5RE	TOYO	None	N/A	N/A
TV Signal Generator	PM5418-TDSI	PHILIPS	LO627116	2006-01-28	12
Spectrum Analyzer	E7405A	Agilent	US41110272	2006-01-20	12
EMI Test Receiver	ESCS30	R&S	839809/002	2006-04-28	12

EUT Test Setup

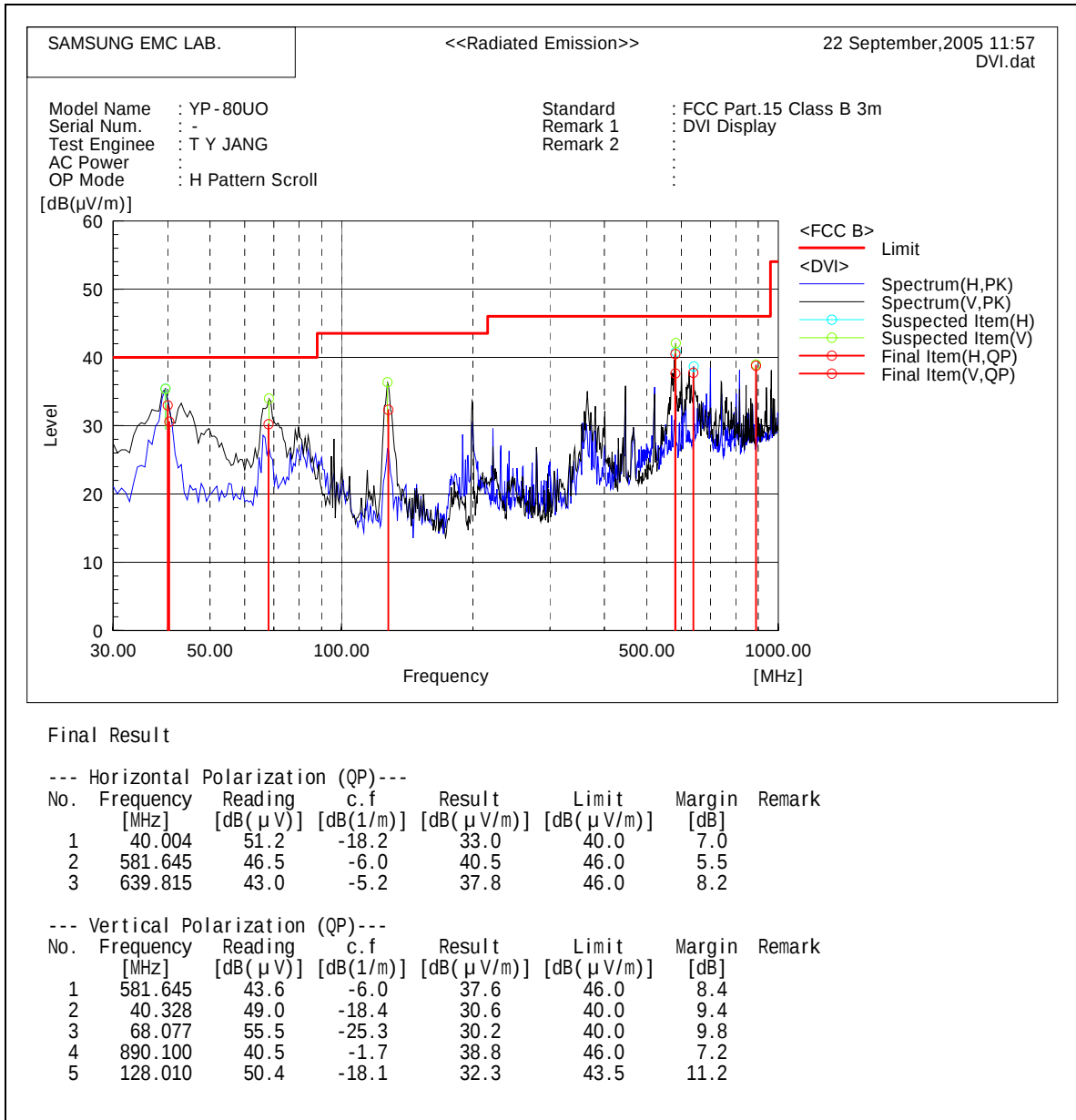
EUT is positioned at 3m from antenna at the center of the table in the semi-anechoic chamber.
All unused ports were terminated into characteristic loads.

Test Result

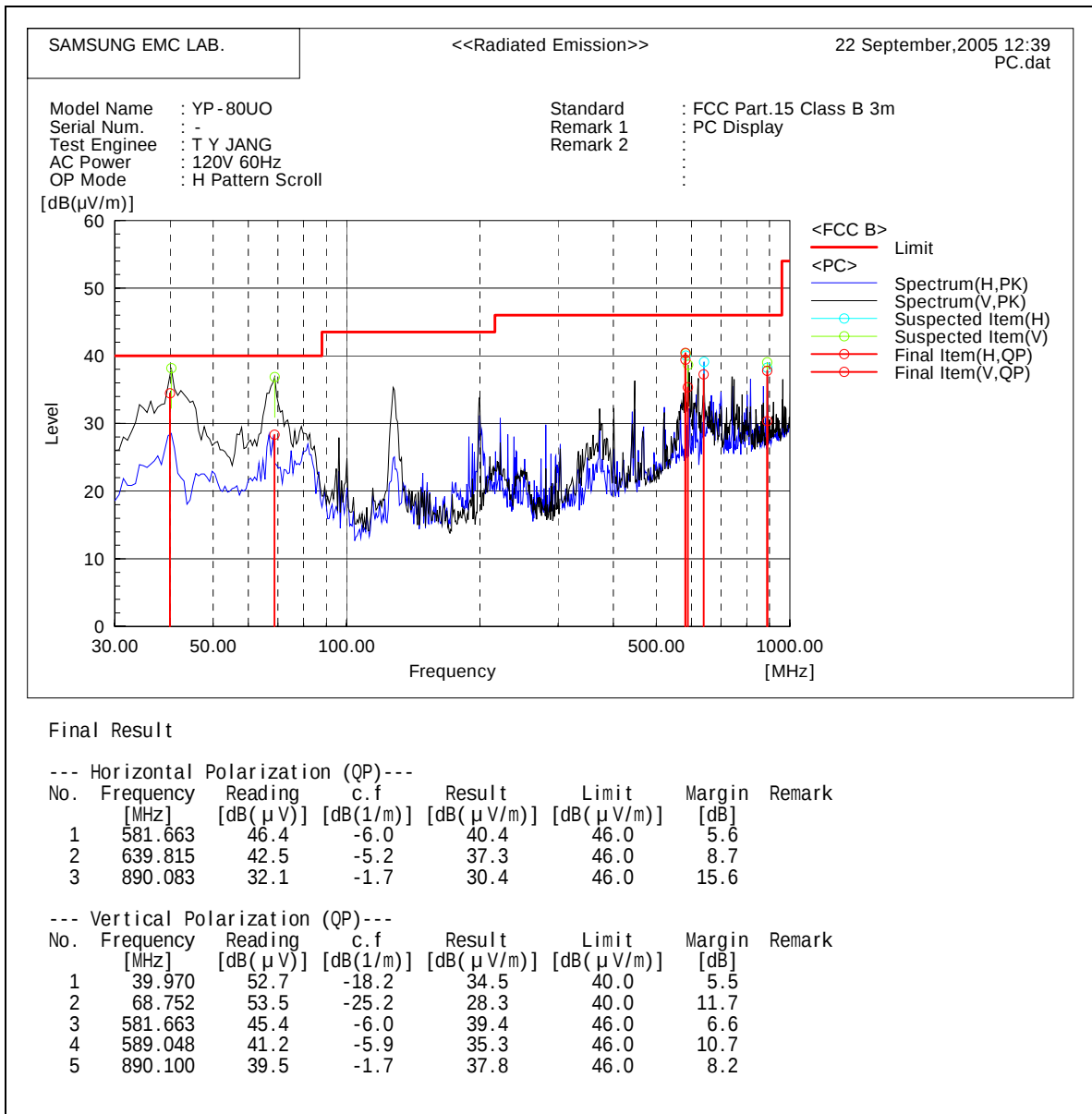
Measurement Results	Pass The measured emissions of the EUT have found to be below the specified limits.
----------------------------	--

Test Data

■ Operating Mode : DVI Video in



■ Operating Mode : PC Video in



4. Appendix A

4.1 Test Photography



Picture 1. Conducted Emission



Picture 2. Radiated Emission (front view)



Picture 3. Radiated Emission (rear view)

4.2 EUT Photography



Picture 4. EUT (front view)



Picture 5. EUT (rear view)