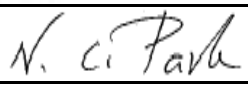
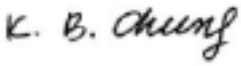
EMC Test Report

Project No.		**LBE040217**
Equipment under Test		
	Applicant	Samsung Electronics Co.Ltd 416 Maetan-3 Dong, Yeongtong-Ku, Suwon City, Gyeonggi-Do, Korea, 442-742
	FCC ID	**A3LSONYKAISER**
	Product Name	**DVD COMBO**
	Model Name	**SLV-D550P**
	Manufacturer	SAMSUNG
	Brand Name	SONY
	Variant Model	See Page 2
Date of Tests		February 06 ~ 09 , 2004
Issued Date		9-Feb-04

Applied Standards	**FCC Part 15 Subpart B**
Result	**Passed** The equipment under test has found to be compliant with the applied standards.

	Name/Position	**Signature**
Tested by	Kyung Chul, Min Test Engineer	
Reviewed by	No Cheon, Park Manager of EMC Lab	
Authorized by	Kyu Baek, Chung Chief of EMC Lab.	

SAMSUNG ELECTRONICS Co., Ltd. **SUWON EMC Test 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

	Address	416 Maetan-3 Dong, Yeongtong-Ku, Suwon City, Kyungki-Do,Korea, 442-742
	Telephone No.	82-31-200-2135
	Fax No.	82-31-200-2189

1. General Information

1.1 Basic Information related Product

Applicant	SAMSUNG	
Product name	DVD COMBO	
Model name	SLV-D550P	
Brand Name	SONY	
Manufacturer	SAMSUNG	
Variant Models	SLV-D350P, SLV-D251P	
Type of RF Output Connector	Type "F" Connector 75 ohm(Unbalanced)	
FCC ID Number	A3LSONYKAISER	
Operating (RF Modulator) Frequency	CH. 3	Visual Carrier : 61.25 MHz
		Aural Carrier : 65.75 MHz
	CH. 4	Visual Carrier : 67.25 MHz
		Aural Carrier : 71.75 MHz

1.2 Power Input Ports

Description	Voltage(V)	Frequency(Hz)	No of phases
Mains Cable	120V	60Hz	1

1.3 EUT & Support Equipment

Used EUT and Peripherals

Mark	Item	Model No.	Serial No.	Manufacturer	Remark
A	DVD COMBO	SLV-D550P	-	SAMSUNG	EUT
B	Remote Controller	-	-	SAMSUNG	EUT

Used Cable Description

No.	Item	Length[m]	Shielded	Remark
1	AC Power Cable	1.5	N	to the mains
2	AV In Cable	1.2	N	Terminated video : 75 ohm Audio In : 1k ohm
3	RF In Cable	1.5	Y	75 ohm Terminated
4	RF Out Cable	1.2	Y	75 ohm Terminated
5	S-Video Cable	1.2	Y	-
6	AV Out Cable	1.2	N	Terminated video : 75 ohm Audio In : 10k ohm
7	Component Video Out	1.2	Y	Video : 75 ohm
8	DVD Only AV Out Cable	1.2	Y	Terminated video : 75 ohm Audio In : 10k ohm
9	AV Out Cable	1.2	Y	Terminated video : 75 ohm Audio In : 10k ohm
10	AV In Cable	1.2	Y	Terminated video : 75 ohm Audio In : 1k ohm
11				
12				
13				
14				
15				

1.4 Operating Mode and Conditions

The EUT was tested in the following operating modes(at both channel 3 and 4) for the tests mention in this report :

1) Recording (NTSC Signal)

A NTSC signal(Color bar) was supplied at ch.5(77.25MHz) through the ant. Input connector for recording.

2) Recording (1V VITS Signal)

A 1V peak-to-peak VITS signal was supplied through the video input connector for recording.

3) Recording (5V VITS Signal)

A 5V peak-to-peak VITS signal was supplied through the video input connector for recording.

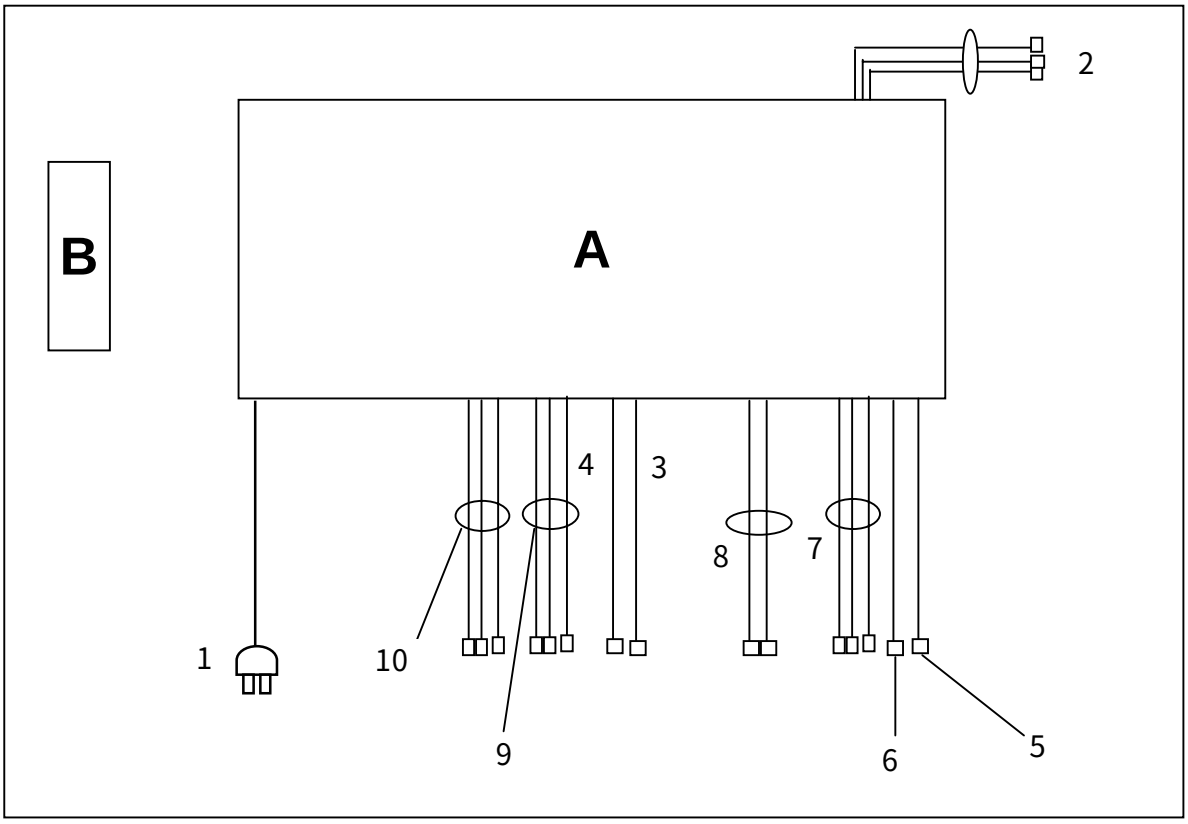
4) VCR Play

In this test mode, a video tape recorded with VITS signal was played on the EUT.

5) Play mode [DVD Play]

Note: The NTSC TV signal input record mode is not applicable to the antenna transfer switch test.

1.5 Block Diagram



1.6 Test Facility

General Information

The EMI/EMS measurement facilities used to collect the tested data are located at 416 Maetan 3 Dong, Yeongtong-Ku, Suwon City, Gyeonggi-Do, Korea.

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

SAMSUNG Electronics Co.,Ltd 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)

Accreditation and Listing

Reg. No. 124

Reg. No. KR0004

No.195

App. No.001

LAB CODE 200623-0

Reg. No.98856

R-1221,C-1095

H9354285

1.7 Applied Standards

List

FCC Rule Part(s)	Test Procedure(s)
FCC Part 15 Subpart B	ANSI C63.4-2001
	-
	-

2. Summary of Test Results

Result : Pass

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

Test Method	Applied Standard	Result
AC Powerline Conducted Emission Measurement	FCC Part 15 Subpart B	Complied
Radiated Emission Measurement	FCC Part 15 Subpart B	Complied
Output Signal Level Measurement	FCC Part 15 Subpart B	Complied
Output Terminal Conducted Spurious Emission Measurement	FCC Part 15 Subpart B	Complied
Antenna Transfer Switch Measurement	FCC Part 15 Subpart B	Complied

*** N/A : Test not applicable**

3. Description of Individual Tests

3.1 AC Powerline Conducted Emission Measurement

Test Information	
Test Engineer	Kyung Chul, Min
Test Date	06-Feb-04
Climate Condition	Ambient Temperature : 23.0℃, Relative Humidity : 38%
Test Place	Shield Room #5

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Next Cal. Date
TEST RECEIVER	ESCS30	R & S	839809/002	25-Jul-04
Spectrum Analyzer	E7405A	Agilent	US41110272	12-Jul-04
RF Matrix	PSU	R & S	861206/024	-
LISN	ESH3-Z5	R & S	847265/028	16-Jul-04
LISN	ESH3-Z5	R & S	100261	16-Jul-04
Test Software	EP5/CE	TOYO	Version : 2.0.860	N/A

Test Setup

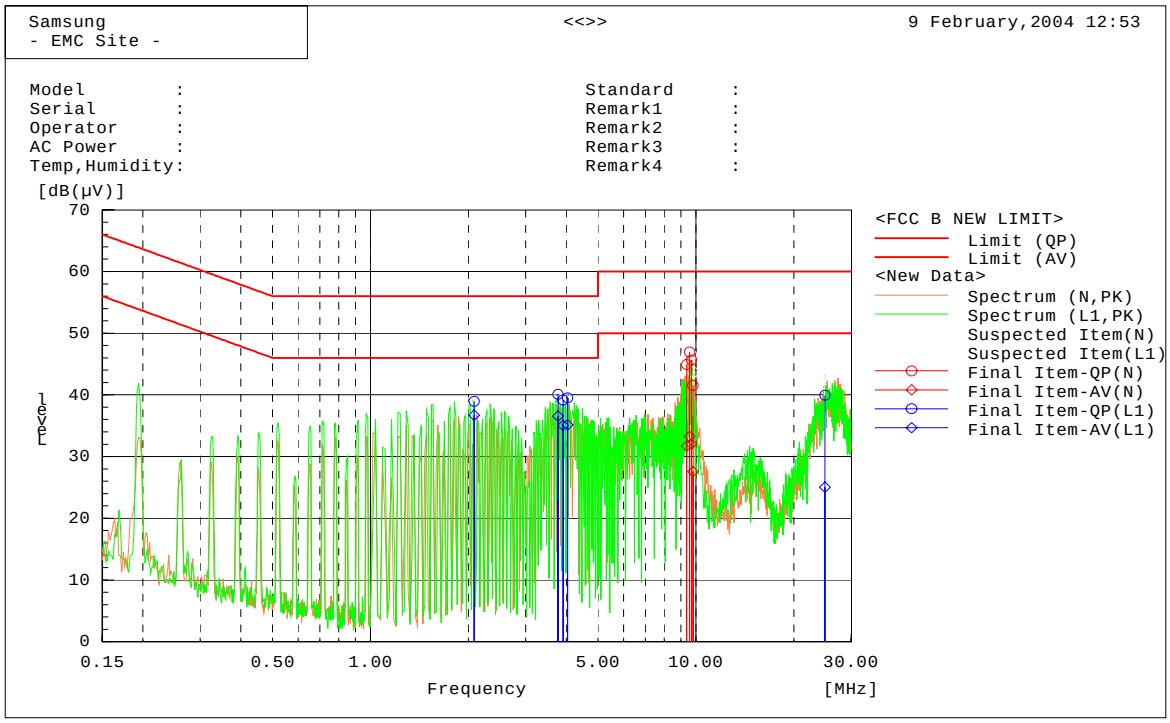
EUT was placed on a platform of nominal size, raised 80cm above the conducting ground plane. The rear of table top was located 40cm to the vertical conducting plane. The rear of EUT was aligned and flushed with rear of tabletop. All other surfaces of tabletop was at least 80cm from any other grounded conducting surface. All unused 50 ohm connectors of the LISN were resistively terminated in 50 ohm when not connected to the measuring equipment
See photo.

Test Result

Measurement Results	Passed
	The Measured emissions of the EUT have found to be below the specified limits.

Test Graph & Data

*** Operating Mode : Recording (NTSC Signal)** **RF Out Channel : CH.3**



Final Result

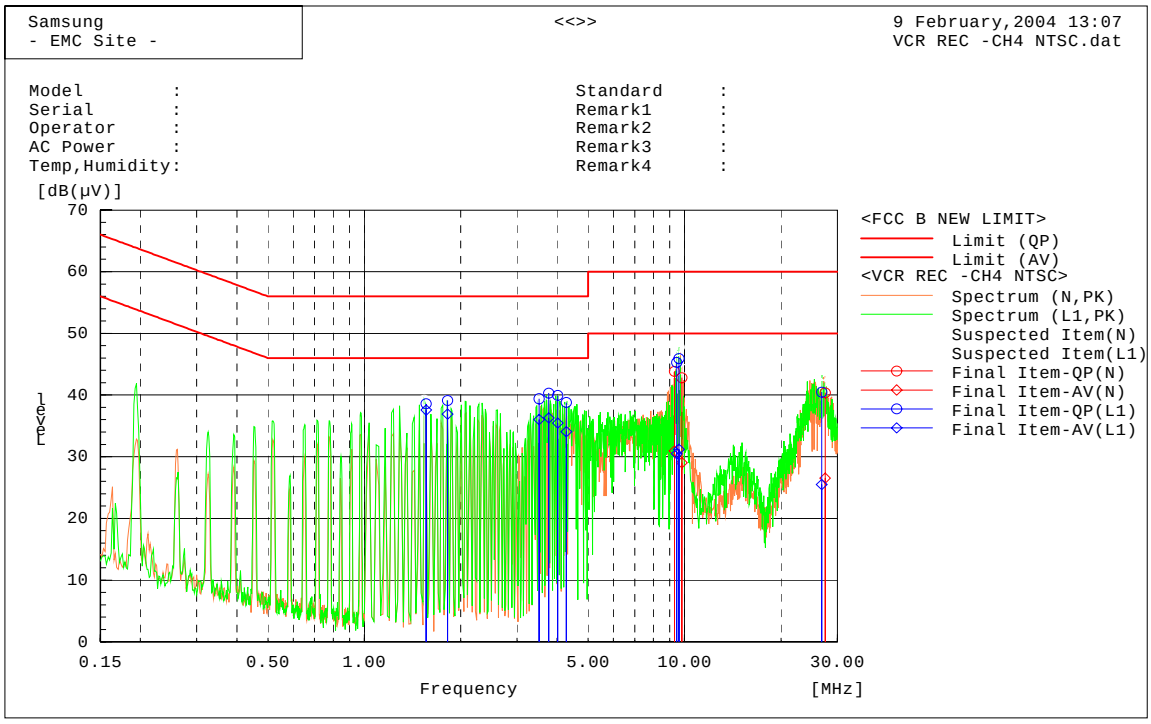
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	9.37748	44.6	31.4	0.3	44.9	31.7	60.0	50.0	15.1	18.3
2	9.56019	46.6	32.9	0.3	46.9	33.2	60.0	50.0	13.1	16.8
3	9.69384	45.4	31.7	0.3	45.7	32.0	60.0	50.0	14.3	18.0
4	9.78997	41.3	27.3	0.3	41.6	27.6	60.0	50.0	18.4	22.4

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	2.08117	38.9	36.6	0.1	39.0	36.7	56.0	46.0	17.0	9.3
2	3.77205	39.9	36.4	0.2	40.1	36.6	56.0	46.0	15.9	9.4
3	3.90913	39.0	34.8	0.2	39.2	35.0	56.0	46.0	16.8	11.0
4	4.03484	39.3	34.9	0.2	39.5	35.1	56.0	46.0	16.5	10.9
5	24.93166	39.1	24.2	0.9	40.0	25.1	60.0	50.0	20.0	24.9

*** Operating Mode : Recording (NTSC Signal)** **RF Out Channel : CH.4**



Final Result

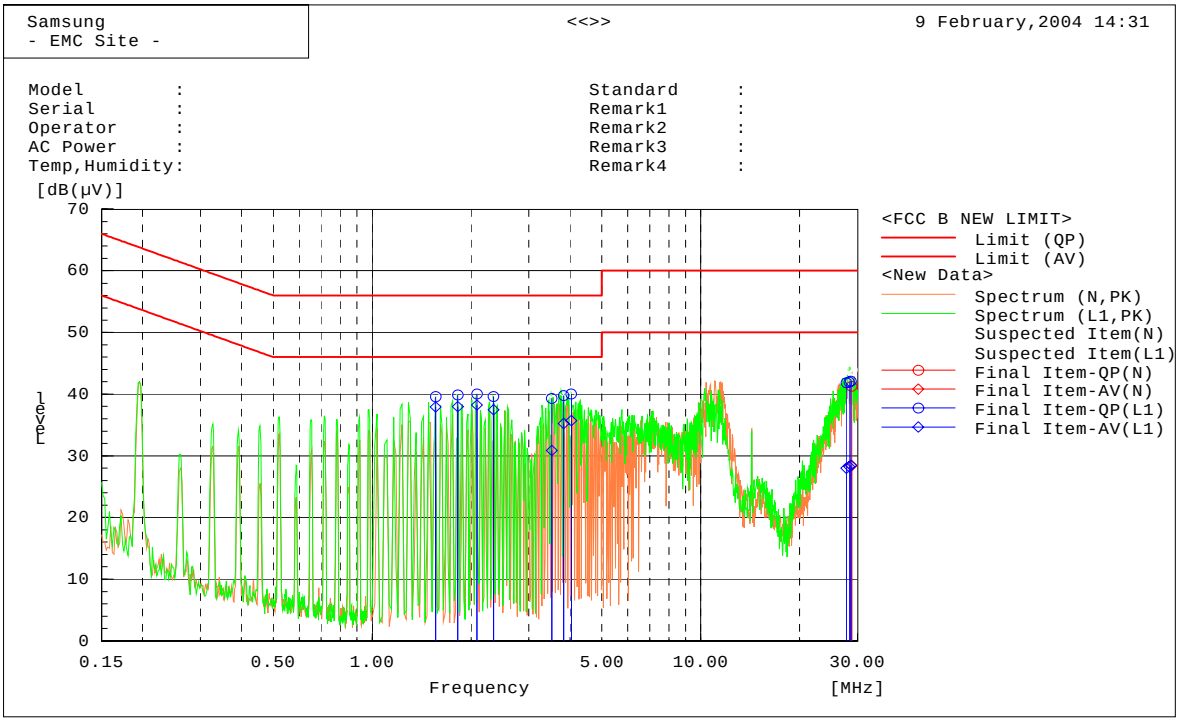
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result AV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin AV [dB]
1	9.29867	43.5	30.6	0.3	43.8	30.9	60.0	50.0	16.2	19.1
2	9.81432	42.5	28.7	0.3	42.8	29.0	60.0	50.0	17.2	21.0
3	27.48277	39.6	25.8	0.8	40.4	26.6	60.0	50.0	19.6	23.4

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result AV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin AV [dB]
1	1.56101	38.5	37.5	0.1	38.6	37.6	56.0	46.0	17.4	8.4
2	1.81965	39.0	36.8	0.1	39.1	36.9	56.0	46.0	16.9	9.1
3	3.51558	39.3	35.9	0.1	39.4	36.0	56.0	46.0	16.6	10.0
4	3.77115	40.1	36.1	0.2	40.3	36.3	56.0	46.0	15.7	9.7
5	4.02564	39.7	35.2	0.2	39.9	35.4	56.0	46.0	16.1	10.6
6	4.27256	38.6	33.9	0.2	38.8	34.1	56.0	46.0	17.2	11.9
7	9.45775	44.9	30.1	0.4	45.3	30.5	60.0	50.0	14.7	19.5
8	9.6078	45.5	30.8	0.4	45.9	31.2	60.0	50.0	14.1	18.8
9	26.82024	39.6	24.6	0.9	40.5	25.5	60.0	50.0	19.5	24.5

*** Operating Mode : Recording (1V VITS Signal)** **RF Out Channel : CH.3**



Final Result

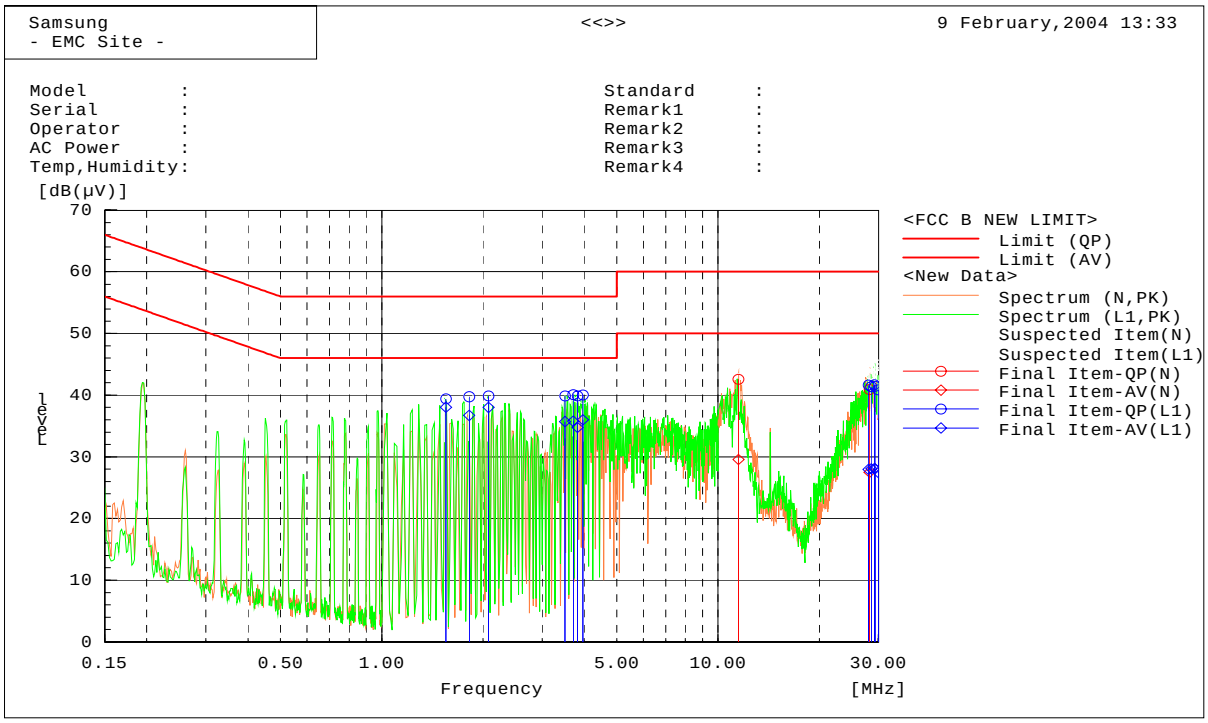
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	28.83067	40.6	27.7	0.7	41.3	28.4	60.0	50.0	18.7	21.6

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.56137	39.5	37.9	0.1	39.6	38.0	56.0	46.0	16.4	8.0
2	1.82452	39.8	37.9	0.1	39.9	38.0	56.0	46.0	16.1	8.0
3	2.08514	39.9	38.1	0.1	40.0	38.2	56.0	46.0	16.0	7.8
4	2.34215	39.5	37.4	0.1	39.6	37.5	56.0	46.0	16.4	8.5
5	3.52153	39.2	30.8	0.1	39.3	30.9	56.0	46.0	16.7	15.1
6	3.83211	39.6	35.1	0.2	39.8	35.3	56.0	46.0	16.2	10.7
7	4.03971	39.8	35.5	0.2	40.0	35.7	56.0	46.0	16.0	10.3
8	27.8026	41.1	27.2	0.8	41.9	28.0	60.0	50.0	18.1	22.0
9	28.3008	41.2	27.5	0.8	42.0	28.3	60.0	50.0	18.0	21.7
10	28.65271	41.3	27.7	0.8	42.1	28.5	60.0	50.0	17.9	21.5

*** Operating Mode : Recording (1V VITS Signal)** **RF Out Channel : CH.4**



Final Result

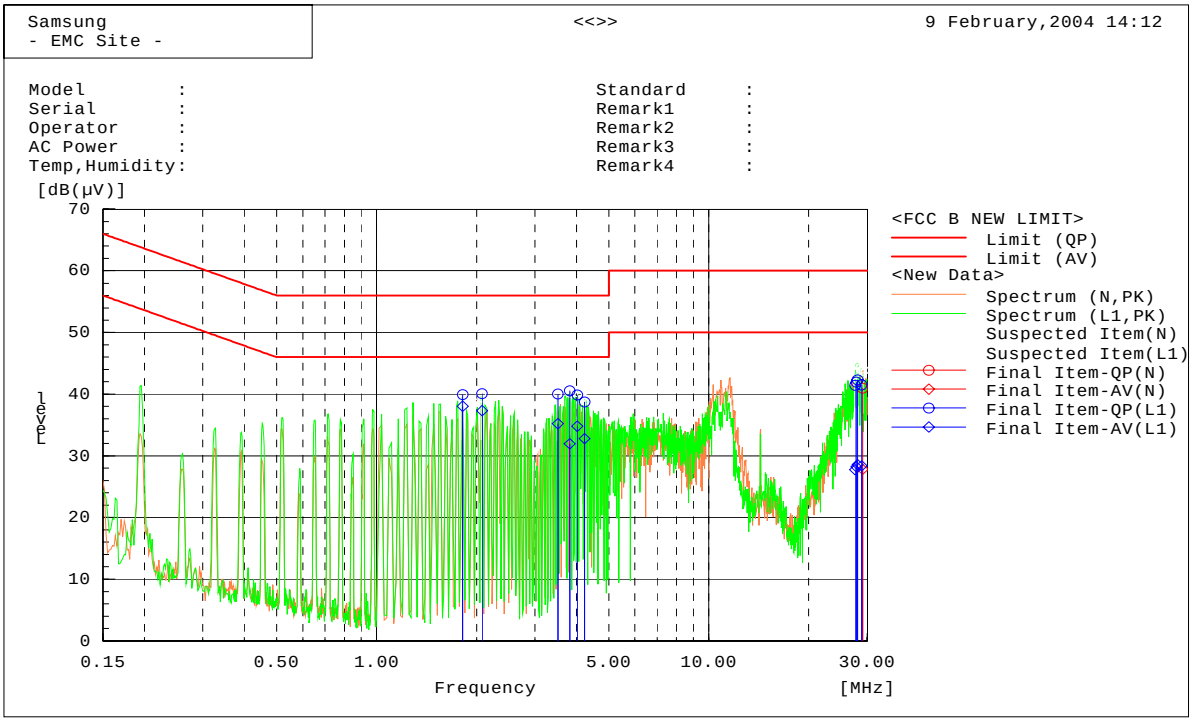
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result AV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin AV [dB]
1	11.496	42.2	29.1	0.4	42.6	29.5	60.0	50.0	17.4	20.5
2	28.2014	40.2	26.8	0.7	40.9	27.5	60.0	50.0	19.1	22.5

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(µV)]	Result AV [dB(µV)]	Limit QP [dB(µV)]	Limit AV [dB(µV)]	Margin QP [dB]	Margin AV [dB]
1	1.55434	39.3	37.9	0.1	39.4	38.0	56.0	46.0	16.6	8.0
2	1.82091	39.6	36.6	0.1	39.7	36.7	56.0	46.0	16.3	9.3
3	2.08063	39.8	37.9	0.1	39.9	38.0	56.0	46.0	16.1	8.0
4	3.5127	39.8	35.6	0.1	39.9	35.7	56.0	46.0	16.1	10.3
5	3.71181	39.9	35.6	0.2	40.1	35.8	56.0	46.0	15.9	10.2
6	3.8258	39.6	34.5	0.2	39.8	34.7	56.0	46.0	16.2	11.3
7	3.96973	39.9	35.8	0.2	40.1	36.0	56.0	46.0	15.9	10.0
8	28.04228	40.8	27.2	0.8	41.6	28.0	60.0	50.0	18.4	22.0
9	28.58818	40.6	27.3	0.8	41.4	28.1	60.0	50.0	18.6	21.9
10	29.15091	40.9	27.3	0.8	41.7	28.1	60.0	50.0	18.3	21.9
11	29.30281	40.6	27.3	0.8	41.4	28.1	60.0	50.0	18.6	21.9
12	29.98497	40.1	26.7	0.8	40.9	27.5	60.0	50.0	19.1	22.5

*** Operating Mode : Recording (5V VITS Signal)** **RF Out Channel : CH.3**



Final Result

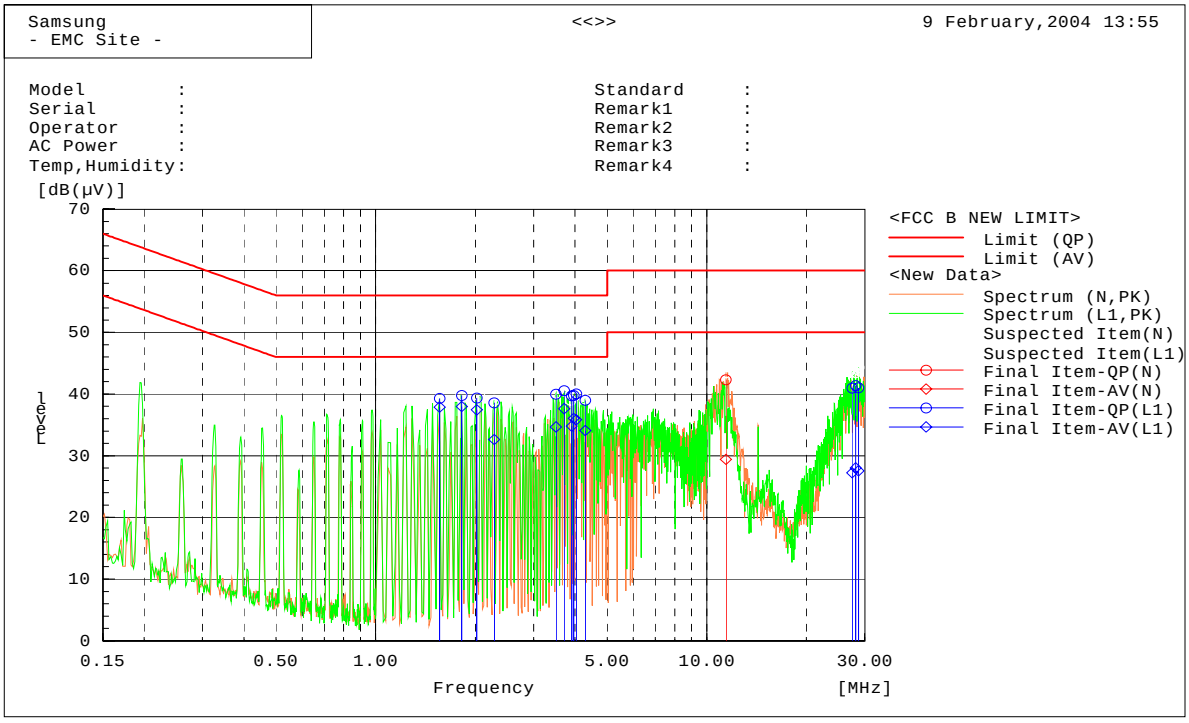
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	29.07515	40.3	27.1	0.7	41.0	27.8	60.0	50.0	19.0	22.2

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.81839	39.8	37.9	0.1	39.9	38.0	56.0	46.0	16.1	8.0
2	2.07955	40.0	37.2	0.1	40.1	37.3	56.0	46.0	15.9	8.7
3	3.51504	39.9	35.1	0.1	40.0	35.2	56.0	46.0	16.0	10.8
4	3.81498	40.4	31.7	0.2	40.6	31.9	56.0	46.0	15.4	14.1
5	4.01969	39.7	34.6	0.2	39.9	34.8	56.0	46.0	16.1	11.2
6	4.23306	38.5	32.6	0.2	38.7	32.8	56.0	46.0	17.3	13.2
7	27.58457	40.5	26.9	0.9	41.4	27.8	60.0	50.0	18.6	22.2
8	27.84509	41.1	27.4	0.8	41.9	28.2	60.0	50.0	18.1	21.8
9	28.09238	41.5	27.8	0.8	42.3	28.6	60.0	50.0	17.7	21.4
10	28.88558	40.7	27.6	0.8	41.5	28.4	60.0	50.0	18.5	21.6

*** Operating Mode : Recording (5V VITS Signal)** **RF Out Channel : CH.4**



Final Result

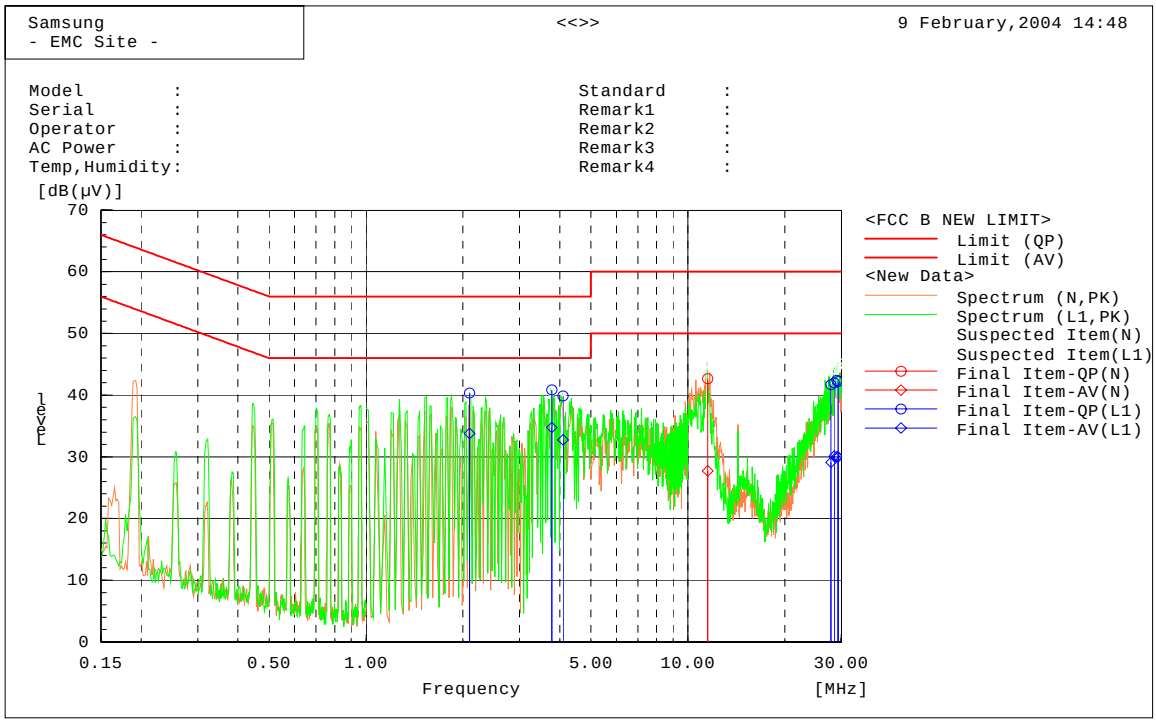
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	11.42145	41.9	29.0	0.4	42.3	29.4	60.0	50.0	17.7	20.6

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.56155	39.2	37.8	0.1	39.3	37.9	56.0	46.0	16.7	8.1
2	1.82037	39.7	37.9	0.1	39.8	38.0	56.0	46.0	16.2	8.0
3	2.02075	39.2	37.3	0.1	39.3	37.4	56.0	46.0	16.7	8.6
4	2.28209	38.5	32.6	0.1	38.6	32.7	56.0	46.0	17.4	13.3
5	3.50476	39.9	34.6	0.1	40.0	34.7	56.0	46.0	16.0	11.3
6	3.71272	40.4	37.4	0.2	40.6	37.6	56.0	46.0	15.4	8.4
7	3.90895	39.5	34.6	0.2	39.7	34.8	56.0	46.0	16.3	11.2
8	3.96721	39.6	35.8	0.2	39.8	36.0	56.0	46.0	16.2	10.0
9	4.03628	39.9	35.6	0.2	40.1	35.8	56.0	46.0	15.9	10.2
10	4.30033	38.8	33.9	0.2	39.0	34.1	56.0	46.0	17.0	11.9
11	27.49118	40.1	26.3	0.9	41.0	27.2	60.0	50.0	19.0	22.8
12	28.17294	40.5	27.2	0.8	41.3	28.0	60.0	50.0	18.7	22.0
13	28.72846	40.2	26.8	0.8	41.0	27.6	60.0	50.0	19.0	22.4

*** Operating Mode : VCR PLAY** **RF Out Channel : CH.3**



Final Result

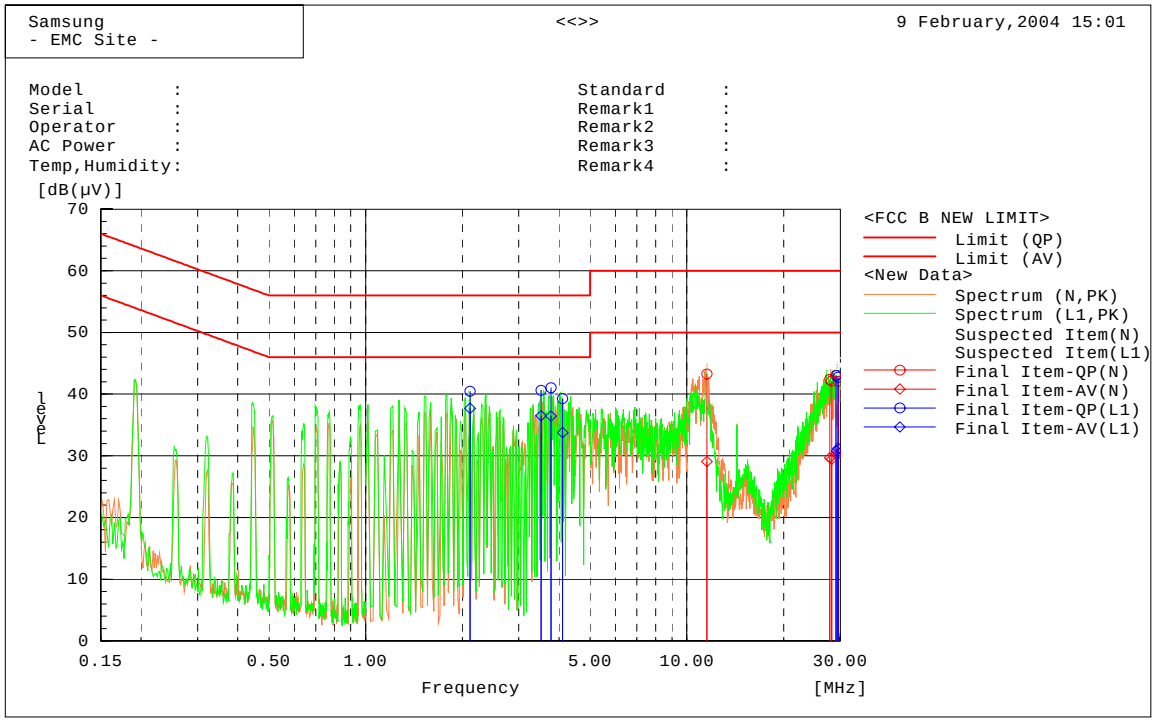
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	11.52686	42.3	27.3	0.4	42.7	27.7	60.0	50.0	17.3	22.3

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	2.09903	40.2	33.7	0.1	40.3	33.8	56.0	46.0	15.7	12.2
2	3.77999	40.7	34.6	0.2	40.9	34.8	56.0	46.0	15.1	11.2
3	4.09147	39.7	32.5	0.2	39.9	32.7	56.0	46.0	16.1	13.3
4	27.87715	40.9	28.3	0.8	41.7	29.1	60.0	50.0	18.3	20.9
5	28.52766	41.2	29.3	0.8	42.0	30.1	60.0	50.0	18.0	19.9
6	29.0487	41.6	29.2	0.8	42.4	30.0	60.0	50.0	17.6	20.0
7	29.34609	41.4	29.2	0.8	42.2	30.0	60.0	50.0	17.8	20.0

*** Operating Mode : VCR PLAY** **RF Out Channel : CH.4**



Final Result

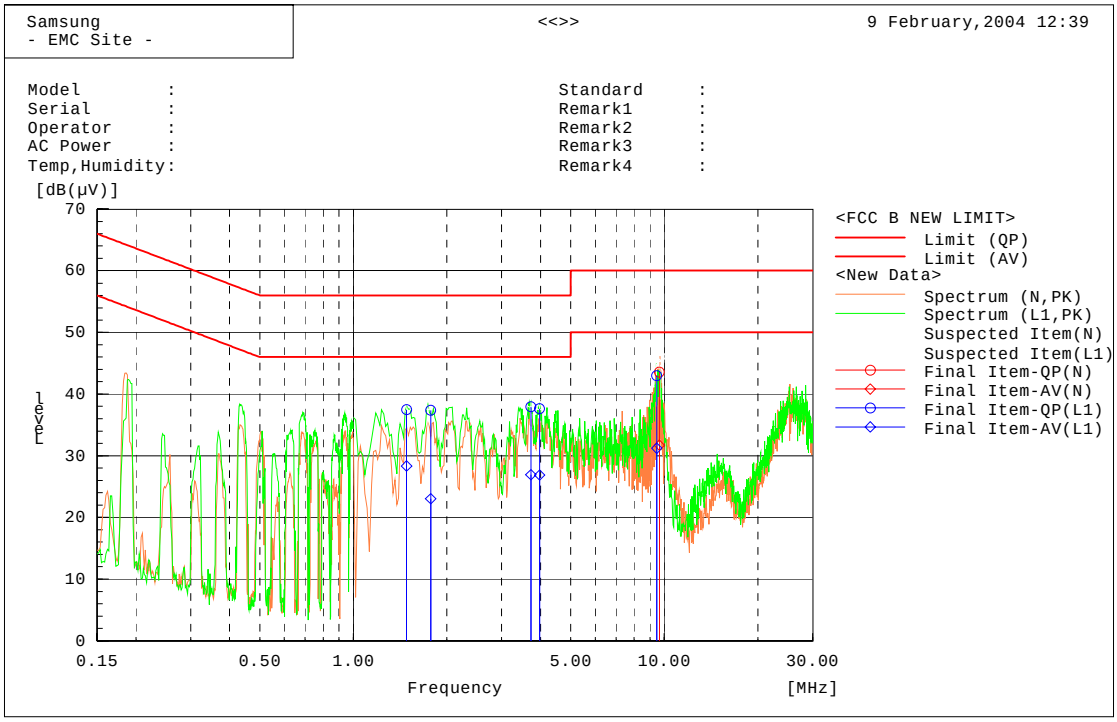
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	11.54249	42.9	28.7	0.4	43.3	29.1	60.0	50.0	16.7	20.9
2	27.88397	41.7	29.0	0.7	42.4	29.7	60.0	50.0	17.6	20.3
3	28.19739	41.4	28.7	0.7	42.1	29.4	60.0	50.0	17.9	20.6
4	29.02345	42.3	29.5	0.7	43.0	30.2	60.0	50.0	17.0	19.8
5	29.6475	41.4	29.6	0.7	42.1	30.3	60.0	50.0	17.9	19.7

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	2.1158	40.4	37.6	0.1	40.5	37.7	56.0	46.0	15.5	8.3
2	3.51919	40.5	36.4	0.1	40.6	36.5	56.0	46.0	15.4	9.5
3	3.77909	40.8	36.2	0.2	41.0	36.4	56.0	46.0	15.0	9.6
4	4.10825	39.1	33.5	0.2	39.3	33.7	56.0	46.0	16.7	12.3
5	29.29279	42.2	30.0	0.8	43.0	30.8	60.0	50.0	17.0	19.2
6	29.56092	41.9	30.4	0.8	42.7	31.2	60.0	50.0	17.3	18.8

*** Operating Mode : DVD PLAY** **RF Out Channel : CH.3**



Final Result

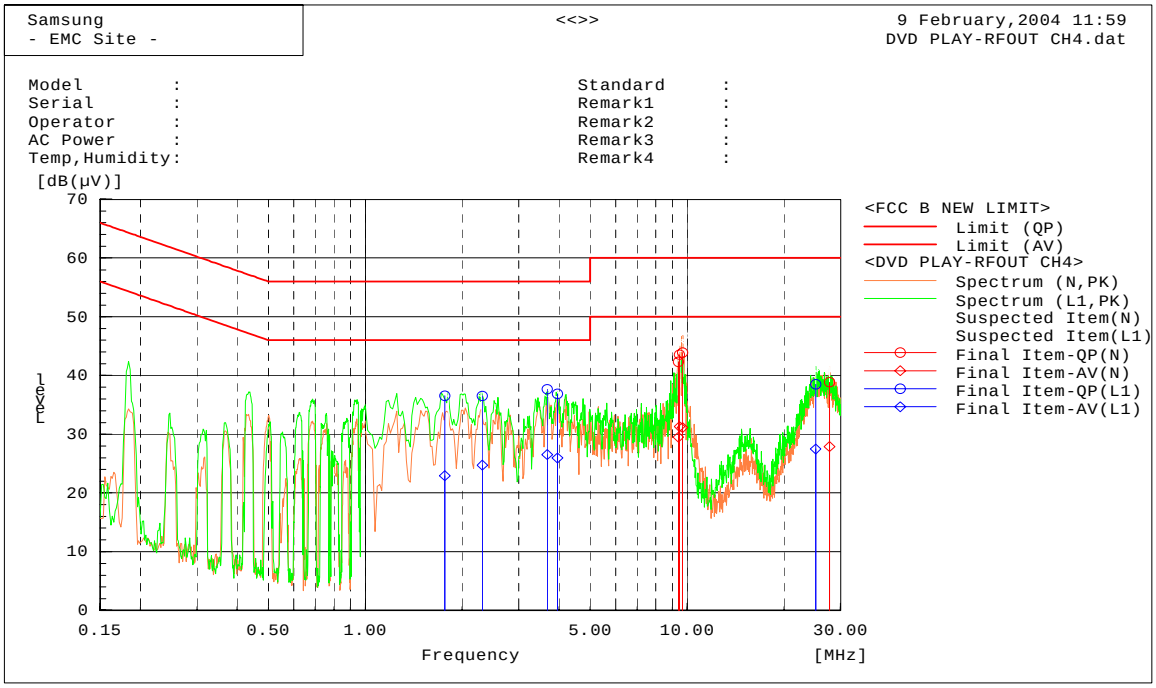
--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	9.65181	43.3	31.4	0.3	43.6	31.7	60.0	50.0	16.4	18.3

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.48472	37.4	28.2	0.1	37.5	28.3	56.0	46.0	18.5	17.7
2	1.7724	37.3	22.9	0.1	37.4	23.0	56.0	46.0	18.6	23.0
3	3.72191	37.7	26.7	0.2	37.9	26.9	56.0	46.0	18.1	19.1
4	3.97352	37.4	26.7	0.2	37.6	26.9	56.0	46.0	18.4	19.1
5	9.46694	42.6	30.8	0.4	43.0	31.2	60.0	50.0	17.0	18.8

*** Operating Mode : DVD PLAY** **RF Out Channel : CH.4**



Final Result

--- N Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	9.39805	42.0	29.2	0.3	42.3	29.5	60.0	50.0	17.7	20.5
2	9.47704	43.2	31.0	0.3	43.5	31.3	60.0	50.0	16.5	18.7
3	9.68662	43.6	30.8	0.3	43.9	31.1	60.0	50.0	16.1	18.9
4	27.73367	38.1	27.1	0.8	38.9	27.9	60.0	50.0	21.1	22.1

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.76662	36.5	22.8	0.1	36.6	22.9	56.0	46.0	19.4	23.1
2	2.31474	36.4	24.6	0.1	36.5	24.7	56.0	46.0	19.5	21.3
3	3.68187	37.5	26.3	0.2	37.7	26.5	56.0	46.0	18.3	19.5
4	3.96216	36.6	25.8	0.2	36.8	26.0	56.0	46.0	19.2	20.0
5	25.12004	37.6	26.6	0.9	38.5	27.5	60.0	50.0	21.5	22.5

3.2 Radiated Emission Measurement

Test Information	
Test Engineer	Kyung Chul, Min
Test Date	06-Feb-04
Climate Condition	Ambient Temperature : 23.1℃, Relative Humidity : 35%
Test Place	Semi-Anechoic Chamber

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Calibration Date
Test Receiver	ESCS30	R & S	100104	17-Jan-05
Secetrum Analyzer	E7405A	AGILENT	US41110272	14-Jun-04
RF Selector	NS4900	TOYO	0303-015	N/A
Mast Controller	HD2000	HD	HD20000902027	N/A
Bi-Log Antenna	CBL6112B	SCHAFFNER	2766	20-Jun-04
Preamp	8447D	Agilent	2944A10430	25-Jul-04
Test Software	EP5/RE	TOYO	Version : 2.0.860	N/A
Antenna Mast	MA240	HD	240/620	N/A
Turn Table	DS412	HD	-	N/A

Test Setup

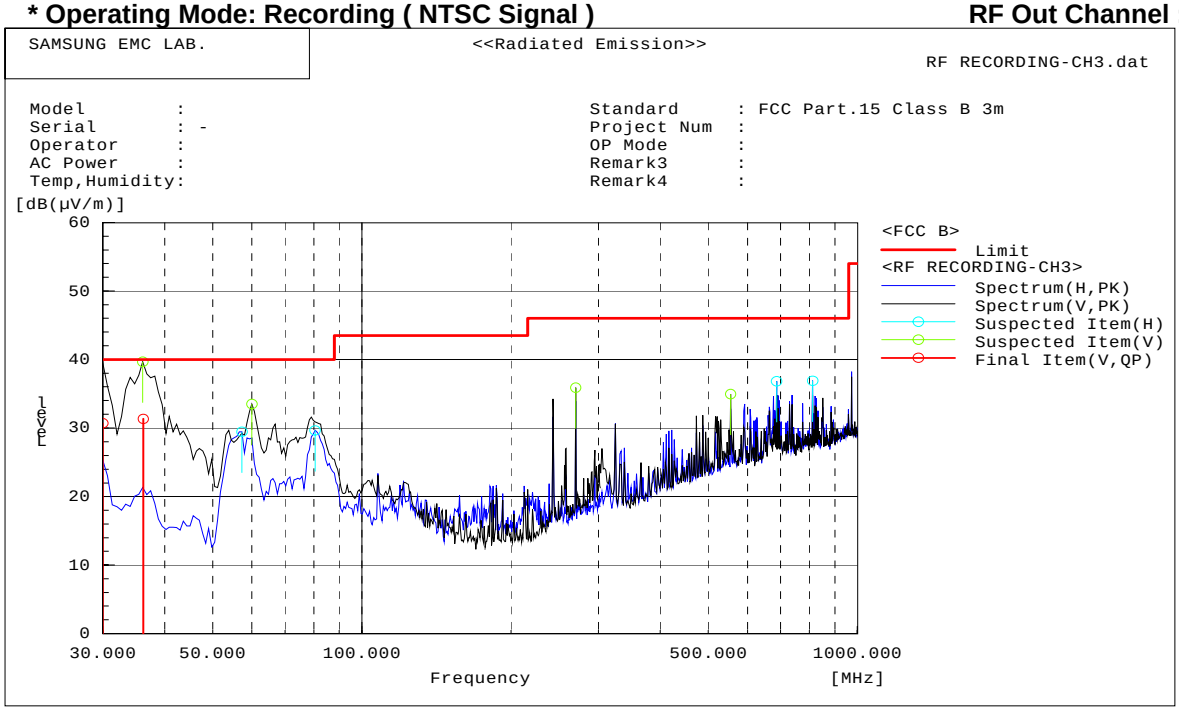
EUT was placed on a platform of nominal size and raised 80cm above the conducting ground plane.
The rear of EUT was aligned and flushed with rear of tabletop.
Test was made with the antenna positioned in both the horizontal and vertical planes of polarization.
The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength.
See photo.

Test Result

Measurement Results	Passed
	The Measured emissions of the EUT have found to be below the specified limits.

Test Graph & Data

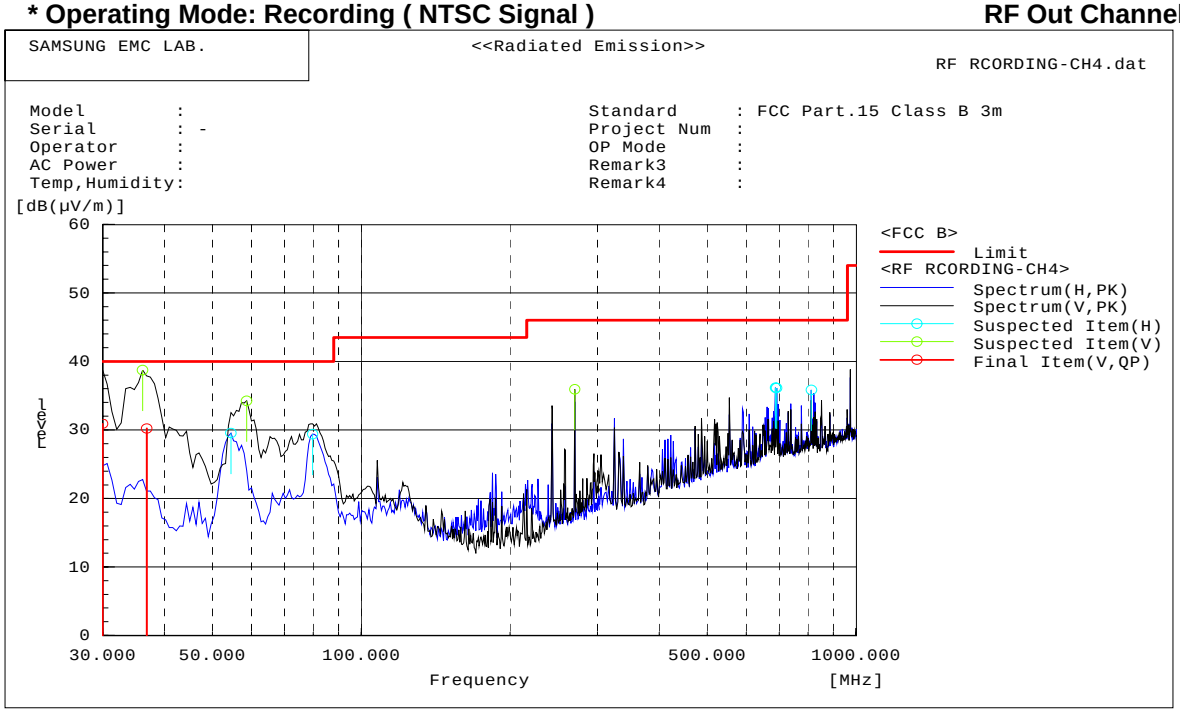
*** Operating Mode: Recording (NTSC Signal)** **RF Out Channel : CH.3**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit [dB(μV/m)]	Margin QP [dB]	Remark
1	36.230	V	S	43.4	-12.1	31.3	40.0	8.7	
2	30.000	V	S	39.5	-8.8	30.7	40.0	9.3	

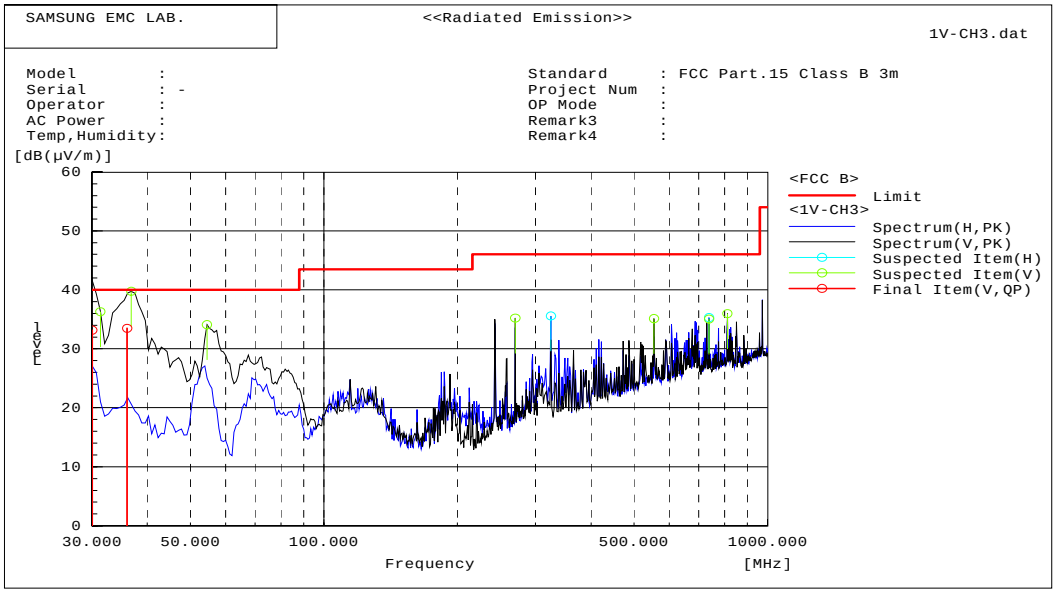
*** Operating Mode: Recording (NTSC Signal)** **RF Out Channel : CH.4**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit [dB(µV/m)]	Margin QP [dB]	Remark
1	36.865	V	S	42.6	-12.4	30.2	40.0	9.8	
2	30.000	V	S	39.7	-8.8	30.9	40.0	9.1	

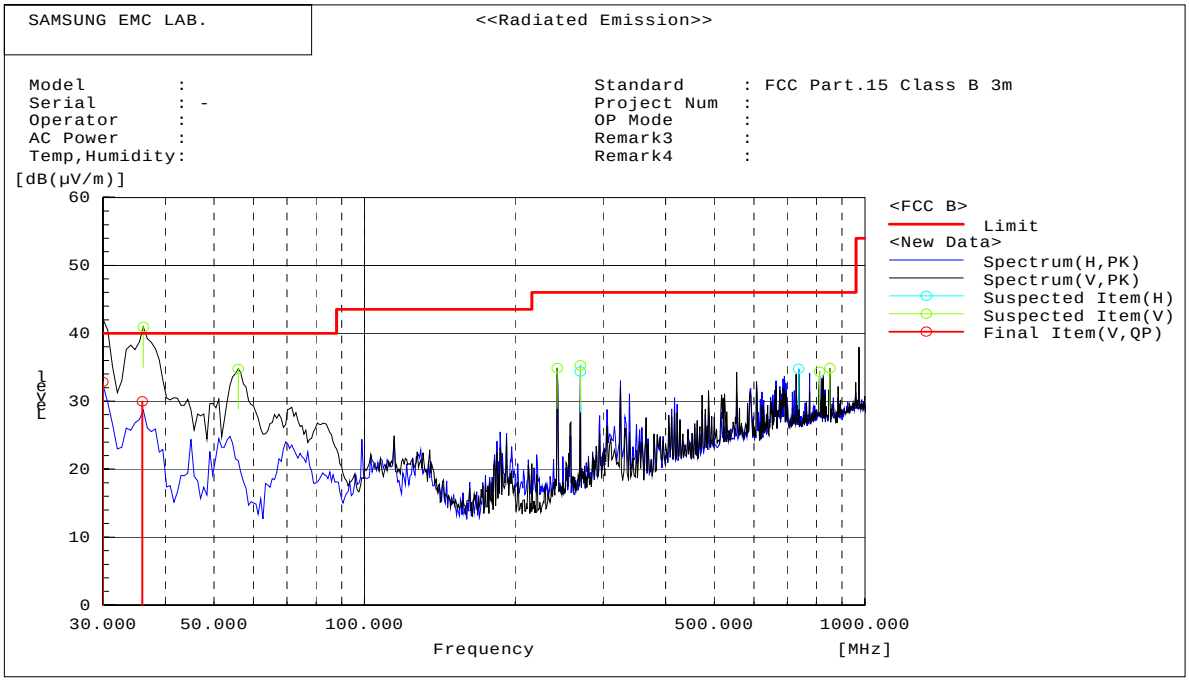
*** Operating Mode: Recording (1V VITS Signal)** **RF Out Channel : CH.3**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit [dB(μV/m)]	Margin QP [dB]	Remark
1	36.001	V	S	45.5	-12.0	33.5	40.0	6.5	
2	30.034	V	S	42.0	-8.8	33.2	40.0	6.8	

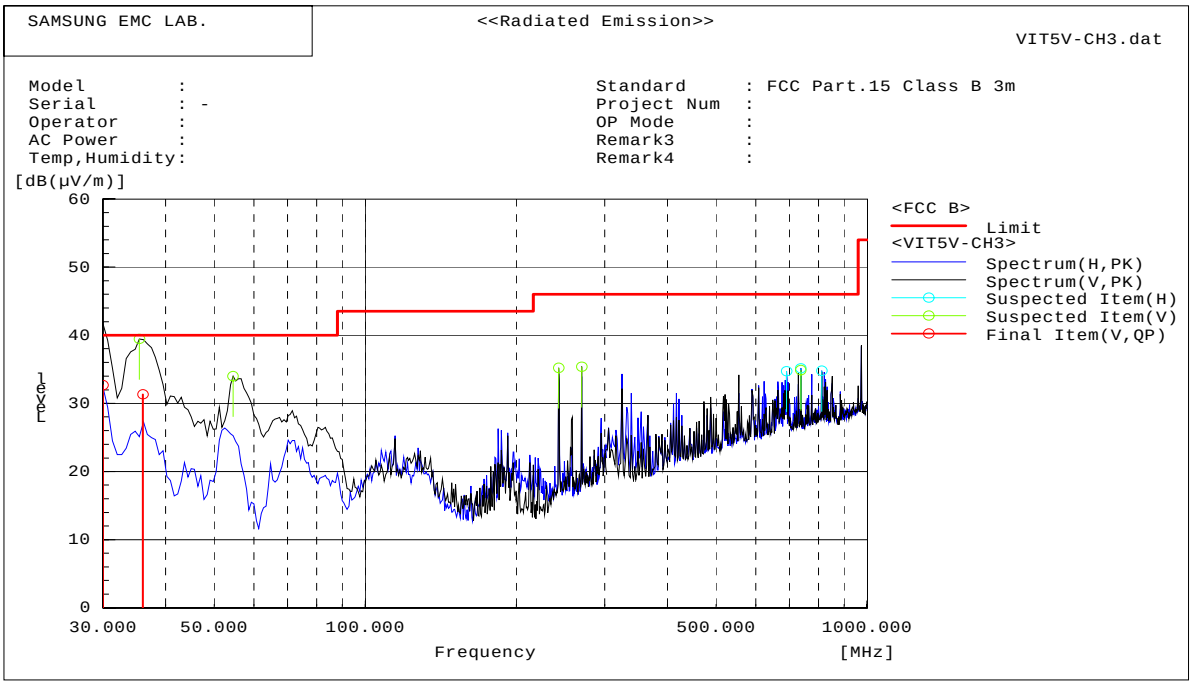
*** Operating Mode: Recording (1V VITS Signal)** **RF Out Channel : CH.4**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit [dB(µV/m)]	Margin QP [dB]	Remark
1	35.947	V	S	41.9	-11.9	30.0	40.0	10.0	
2	30.000	V	S	41.7	-8.8	32.9	40.0	7.2	

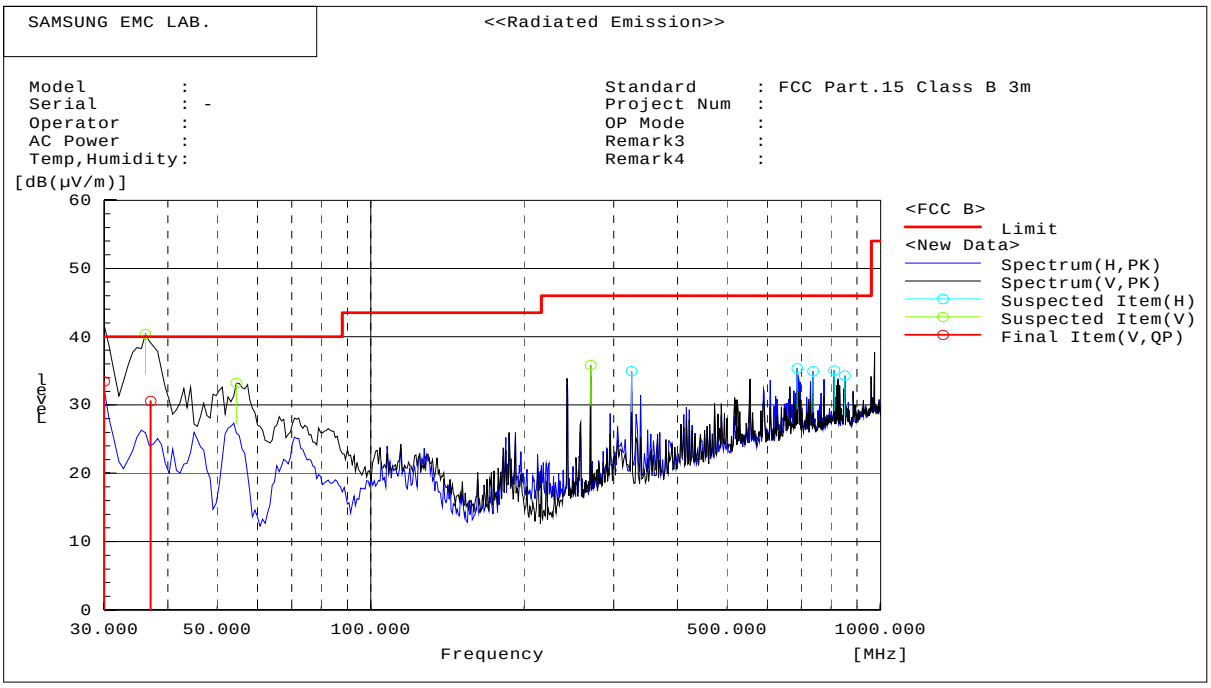
*** Operating Mode: Recording (5V VITS Signal)** **RF Out Channel : CH.3**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit [dB(µV/m)]	Margin QP [dB]	Remark
1	36.035	V	S	43.3	-12.0	31.3	40.0	8.7	
2	30.000	V	S	41.5	-8.8	32.7	40.0	7.3	

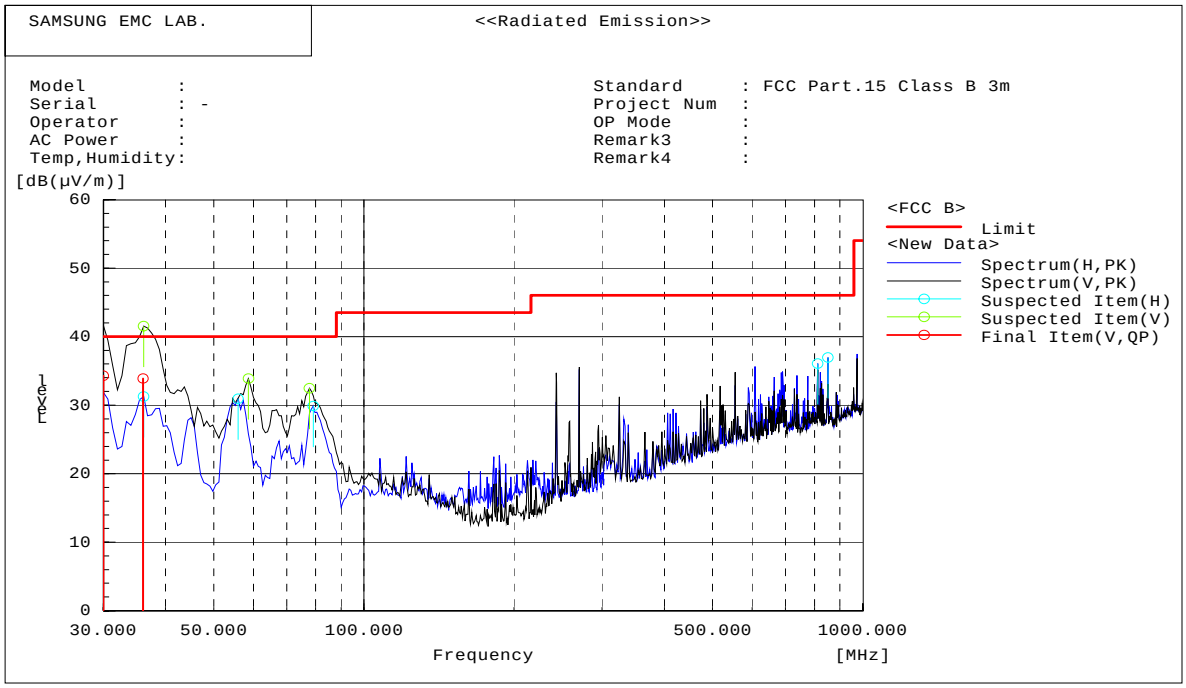
*** Operating Mode: Recording (5V VITS Signal)** **RF Out Channel : CH.4**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit [dB(µV/m)]	Margin QP [dB]	Remark
1	37.013	V	S	43.1	-12.5	30.6	40.0	9.4	
2	30.000	V	S	42.2	-8.8	33.4	40.0	6.6	

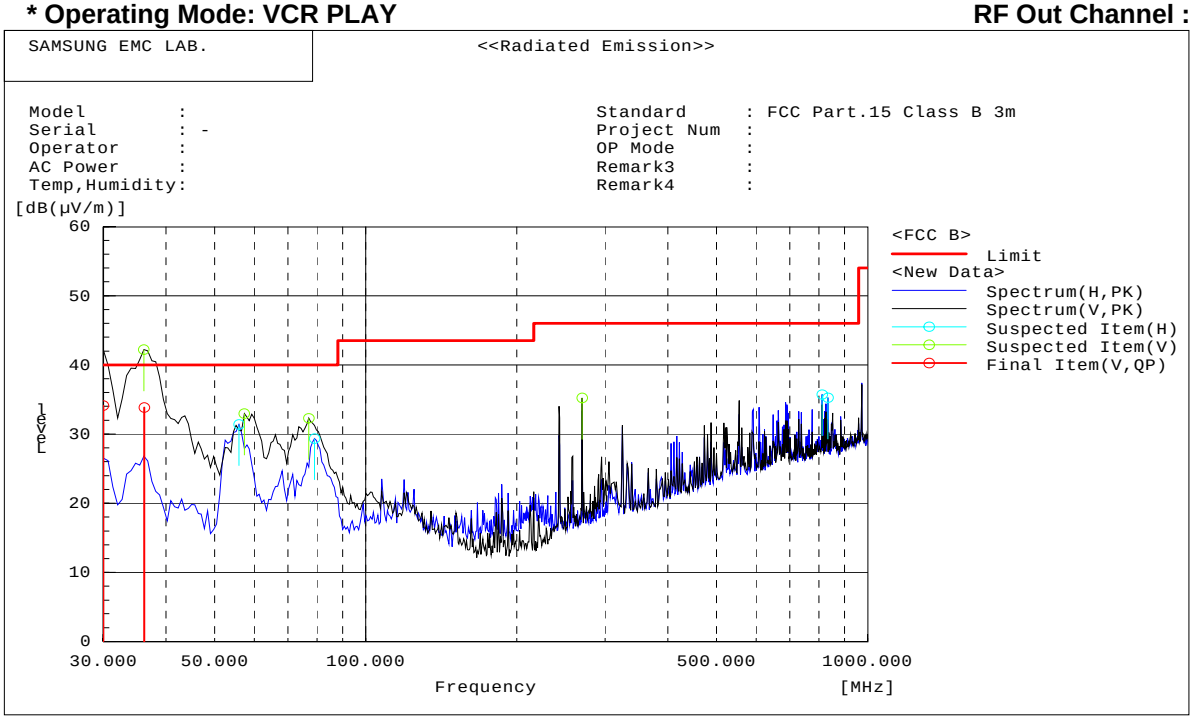
*** Operating Mode: VCR PLAY** **RF Out Channel : CH.3**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit [dB(μV/m)]	Margin QP [dB]	Remark
1	36.062	V	S	45.9	-12.0	33.9	40.0	6.1	
2	30.000	V	S	43.1	-8.8	34.3	40.0	5.7	

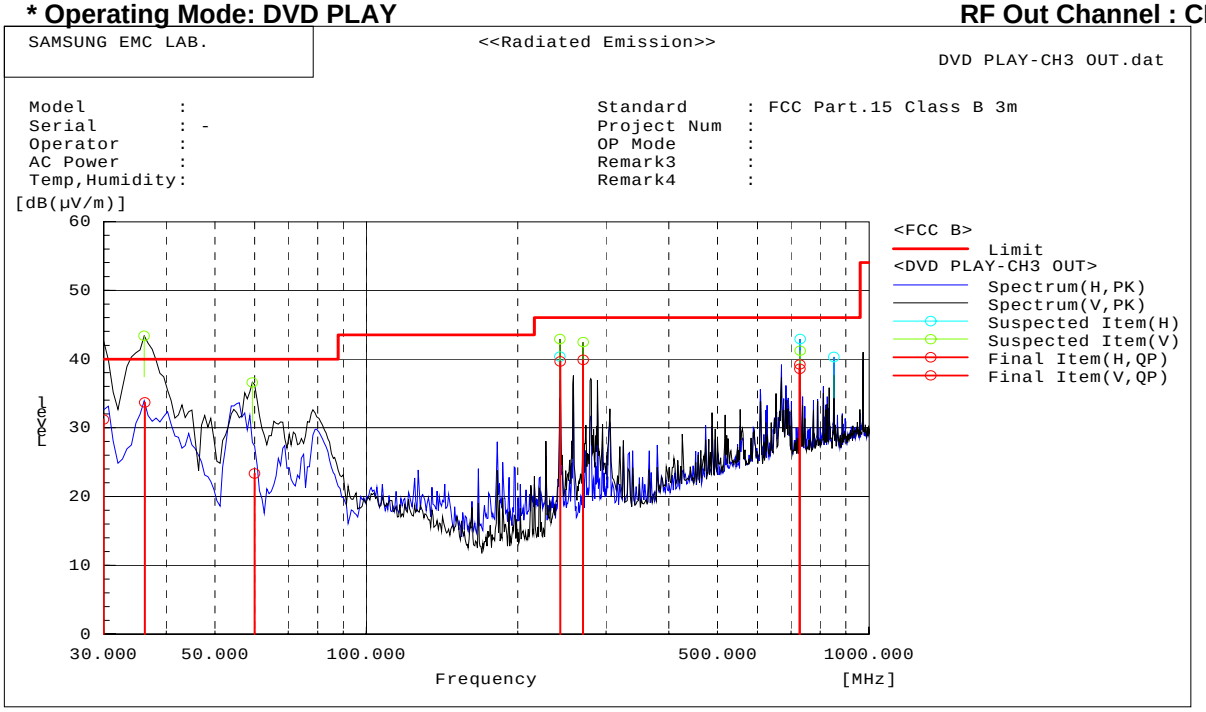
*** Operating Mode: VCR PLAY** **RF Out Channel : CH.4**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Remark
1	36.230	V	S	46.0	-12.1	33.9	40.0	6.2	
2	30.000	V	S	42.9	-8.8	34.1	40.0	5.9	

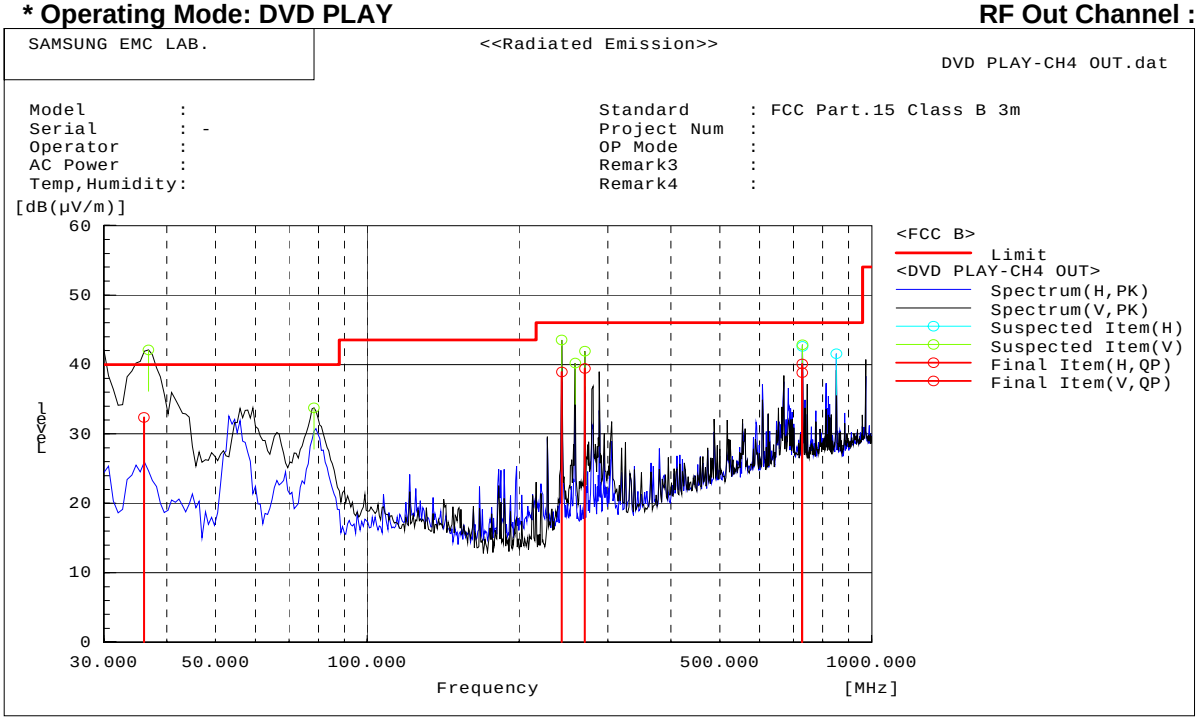
*** Operating Mode: DVD PLAY** **RF Out Channel : CH.3**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(µV)]	c.f [dB(1/m)]	Result QP [dB(µV/m)]	Limit [dB(µV/m)]	Margin QP [dB]	Remark
1	36.271	V	S	45.8	-12.1	33.7	40.0	6.3	
2	729.010	H	S	40.6	-1.4	39.2	46.0	6.8	
3	243.003	V	S	52.1	-12.4	39.7	46.0	6.4	
4	59.957	V	S	44.5	-21.1	23.4	40.0	16.6	
5	270.003	V	S	50.5	-10.6	39.9	46.0	6.1	
6	729.010	V	S	40.0	-1.4	38.6	46.0	7.4	
7	30.000	V	S	40.0	-8.8	31.2	40.0	8.8	

*** Operating Mode: DVD PLAY** **RF Out Channel : CH.4**



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Remark
1	36.055	V	S	44.4	-12.0	32.4	40.0	7.6	
2	243.003	V	S	51.3	-12.4	38.9	46.0	7.1	
3	270.003	V	S	50.0	-10.6	39.4	46.0	6.6	
4	729.010	V	S	40.2	-1.4	38.8	46.0	7.2	
5	729.010	H	S	41.5	-1.4	40.1	46.0	5.9	

3.3 Output Signal Level Measurement

Test Information	
Test Engineer	Kyung Chul, Min
Test Date	09-Feb-04
Climate Condition	Ambient Temperature : 23.1℃, Relative Humidity : 38%
Test Place	Shield Room #5

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Next Cal. Date
TEST RECEIVER	ESCS30	R & S	839809/002	25-Jul-04
Preamp	310	SONOMA INSTRUMENT	185861	20-Sep-04
Matching Pad	RAM	R & S	882204/064	-
Spectrum Analyzer	E7405A	Agilent	US41110272	12-Jul-04
RF Matrix	PSU	R & S	861206/024	-

Test Setup

The RF output terminal is connected to the test receiver through the matching pad(75 - 50 ohm) with a calibrated cable. Then, the RF output signal level is measured under the EUT operating mode(s).

See photo.

Test Result

Measurement Results	**Passed**
	The Measured emissions of the EUT have found to be below the specified limits.

Test Data

*** Operating Mode : Recording(NTSC Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
56.77204	75.9	-25.1	50.8	56.5	5.7	Audio Signal
57.70591	77.4	-25.1	52.3	56.5	4.2	Video Signal
61.25702	90.3	-25.1	65.2	69.5	4.3	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
56.76002	76	-25.1	50.9	56.5	5.6	Audio Signal
61.26102	90.2	-25.1	65.1	69.5	4.4	Video Signal
65.76002	74.9	-25.1	49.8	56.5	6.7	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
56.75601	76	-25.1	50.9	56.5	5.6	Audio Signal
61.25701	90.6	-25.1	65.5	69.5	4	Video Signal
65.75602	74.9	-25.1	49.8	56.5	6.7	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
56.75601	76	-25.1	50.9	56.5	5.6	Audio Signal
61.25701	90.7	-25.1	65.6	69.5	3.9	Video Signal
65.75602	74.9	-25.1	49.8	56.5	6.7	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : DVD Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
56.76202	75.7	-25.1	50.6	56.5	5.9	Audio Signal
61.25701	90.3	-25.1	65.2	69.5	4.3	Video Signal
65.76002	74.5	-25.1	49.4	56.5	7.1	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(NTSC Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
62.74198	75.6	-25.1	50.5	56.5	6	Audio Signal
63.62576	73.5	-25.1	48.4	56.5	8.1	Video Signal
67.23297	90	-25.1	64.9	69.5	4.6	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
62.73597	75.7	-25.1	50.6	56.5	5.9	Audio Signal
67.23497	90	-25.1	64.9	69.5	4.6	Video Signal
71.73197	74.6	-25.1	49.5	56.5	7	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
62.72996	75.7	-25.1	50.6	56.5	5.9	Audio Signal
67.22896	90.4	-25.1	65.3	69.5	4.2	Video Signal
71.72996	74.6	-25.1	49.5	56.5	7	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
62.72996	75.7	-25.1	50.6	56.5	5.9	Audio Signal
67.22896	90.4	-25.1	65.3	69.5	4.2	Video Signal
71.73598	74.5	-25.1	49.4	56.5	7.1	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode :DVD Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]	Remark
62.72795	75.2	-25.1	50.1	56.5	6.4	Audio Signal
67.22695	90	-25.1	64.9	69.5	4.6	Video Signal
71.72996	74.2	-25.1	49.1	56.5	7.4	Audio Signal

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

3.4 Output Terminal Conducted Spurious Measurement

Test Information	
Test Engineer	Kyung Chul, Min
Test Date	09-Feb-04
Climate Condition	Ambient Temperature : 23.1℃, Relative Humidity : 38%
Test Place	Shield Room #5

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Next Cal. Date
TEST RECEIVER	ESCS30	R & S	839809/002	25-Jul-04
Preamp	310	SONOMA INSTRUMENT	185861	20-Sep-04
Matching Pad	RAM	R & S	882204/064	-
Spectrum Analyzer	E7405A	Agilent	US41110272	12-Jul-04
RF Matrix	PSU	R & S	861206/024	-

Test Setup

The RF output terminal is connected to the test receiver through the matching pad(75 - 50 ohm) with a calibrated cable. Then, the RF output signal level is measured under the EUT operating mode(s).

See photo.

Test Result

Measurement Results	Passed
	The Measured emissions of the EUT have found to be below the specified limits

Test Data

*** Operating Mode : Recording(NTSC Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
47.70463	48.6	-25.1	23.5	39.5	16
54.09582	48.6	-25.1	23.5	39.5	16
55.24086	48.6	-25.1	23.5	39.5	16
74.71373	36.3	-25.1	11.2	39.5	28.3
118.0292	33.7	-25.1	8.6	39.5	30.9
122.51151	42.2	-25	17.2	39.5	22.3

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
53.12168	48.1	-25.1	23	39.5	16.5
56.28496	48.2	-25.1	23.1	39.5	16.4
74.76166	36.5	-25.1	11.4	39.5	28.1
122.52	42.3	-25	17.3	39.5	22.2
877.7505	27.5	-23.7	3.8	39.5	35.7

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
53.07147	48.2	-25.1	23.1	39.5	16.4
54.03066	48.1	-25.1	23	39.5	16.5
55.3215	48.1	-25.1	23	39.5	16.5
74.75567	36.5	-25.1	11.4	39.5	28.1
118.01209	34.8	-25.1	9.7	39.5	29.8
122.51151	42.5	-25	17.5	39.5	22

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
47.79969	48.4	-25.1	23.3	39.5	16.2
54.09689	47.9	-25.1	22.8	39.5	16.7
56.39124	48.1	-25.1	23	39.5	16.5
74.70773	36.4	-25.1	11.3	39.5	28.2
122.51151	42.1	-25	17.1	39.5	22.4
612.53	32.9	-24.3	8.6	39.5	30.9

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : DVD Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
54.77195	47.9	-25.1	22.8	39.5	16.7
55.64088	47.9	-25.1	22.8	39.5	16.7
56.40886	51	-25.1	25.9	39.5	13.6
118.00351	34.4	-25.1	9.3	39.5	30.2
122.51151	42.1	-25	17.1	39.5	22.4
876.71838	29.6	-23.7	5.9	39.5	33.6

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(NTSC Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
53.69349	48.8	-25.1	23.7	39.5	15.8
55.24159	48.8	-25.1	23.7	39.5	15.8
60.10049	48.6	-25.1	23.5	39.5	16
80.79353	35	-25.1	9.9	39.5	29.6
134.48098	34.3	-25	9.3	39.5	30.2
331.44178	33.6	-24.4	9.2	39.5	30.3

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
42.1829	51.9	-25.1	26.8	39.5	12.7
49.343	54.8	-25.1	29.7	39.5	9.8
56.50179	59.3	-25.1	34.2	39.5	5.3
80.74297	35.9	-25.1	10.8	39.5	28.7
672.39981	33.3	-24.2	9.1	39.5	30.4
870.58619	27.5	-23.8	3.7	39.5	35.8

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
42.18224	51.9	-25.1	26.8	39.5	12.7
49.3417	54.8	-25.1	29.7	39.5	9.8
56.50179	59.3	-25.1	34.2	39.5	5.3
80.74297	35.8	-25.1	10.7	39.5	28.8
537.92075	32.2	-24.2	8	39.5	31.5
672.39981	33.4	-24.2	9.2	39.5	30.3

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
53.69546	48.8	-25.1	23.7	39.5	15.8
56.51684	47.9	-25.1	22.8	39.5	16.7
60.08348	48.1	-25.1	23	39.5	16.5
80.70927	35.6	-25.1	10.5	39.5	29
134.48098	34.7	-25	9.7	39.5	29.8
672.39981	33.3	-24.2	9.1	39.5	30.4

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode :DVD Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
53.73668	48.4	-25.1	23.3	39.5	16.2
61.36854	47.9	-25.1	22.8	39.5	16.7
61.64793	47.9	-25.1	22.8	39.5	16.7
134.48098	30.2	-25	5.2	39.5	34.3
672.38981	33.7	-24.2	9.5	39.5	30
875.59625	28.1	-23.7	4.4	39.5	35.1

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

3.5 Antenna Transfer Switch Measurement

Test Information	
Test Engineer	Kyung Chul, Min
Test Date	09-Feb-04
Climate Condition	Ambient Temperature : 23.1℃, Relative Humidity :38%
Test Place	Shield Room #5

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Next Cal. Date
TEST RECEIVER	ESCS30	R & S	839809/002	25-Jul-04
Preamp	310	SONOMA INSTRUMENT	185861	20-Sep-04
Matching Pad	RAM	R & S	882204/064	-
Spectrum Analyzer	E7405A	Agilent	US41110272	12-Jul-04
RF Matrix	PSU	R & S	861206/024	-

Test Setup

The ANT input terminal is connected to the test receiver through the matching pad(75 - 50 ohm) with a calibrated cable. Then, the RF output leakage level is measured under the EUT operating mode(s).

See photo.

Test Result

Measurement Results	Passed
	The Measured emissions of the EUT have found to be below the specified limits.

Test Data

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
61.25876	29.7	-25.1	4.6	9.5	4.9

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
61.2527	30.6	-25.1	5.5	9.5	4

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
61.25314	29.6	-25.1	4.5	9.5	5

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : DVD Play** **RF Out Ch. : CH 3**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
61.25262	30.3	-25.1	5.2	9.5	4.3

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(1V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
67.24398	31.5	-25.1	6.4	9.5	3.1

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : Recording(5V VITS Signal)** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
67.23998	31.5	-25.1	6.4	9.5	3.1

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

*** Operating Mode : VCR Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
67.23998	31.5	-25.1	6.4	9.5	3.1

*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

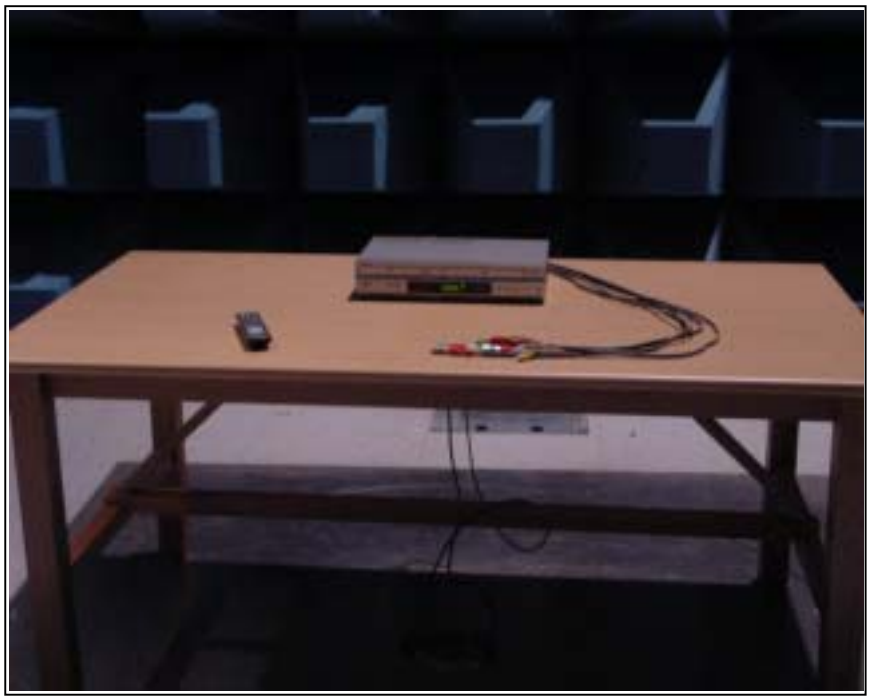
*** Operating Mode : VCR Play** **RF Out Ch. : CH 4**

Frequency [MHz]	Reading [dB(μV)]	Factor [dB]	Level [dB(μV)]	Limit [dB(μV)]	Margin [dB]
67.23998	31.5	-25.1	6.4	9.5	3.1

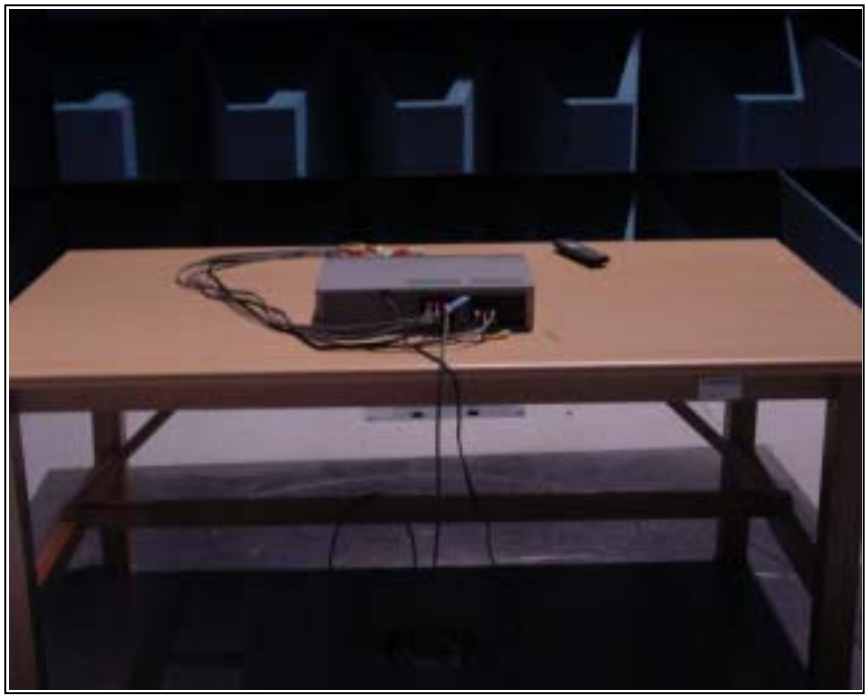
*CF Factor = Preamp Gain + Matching Pad Loss + Cable Loss

Test Setup Photos

AC Powerline Conducted Emission [Front]



Radiated Emission [Front]



Radiated Emission [Rear]

RF Output Signal Level & Output Terminal Conducted Spurious Emission

Antenna Transfer Switch

External Photos

EUT [Front]

EUT [Rear]