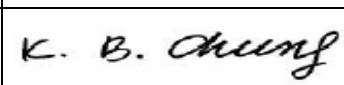


EMC Test Report

According to FCC Part 15 Subpart B

Project No.	LBE041512
Equipment under Test	
Address	416 Maetan3-Dong, Yeongtong-Gu, Suwon-City, Gyeonggi-Do, Korea, 443-742
Product Name	DVD/VHS DUAL DECK
Model Name	DVD-V4600C
Manufacturer	SAMSUNG
Brand Name	SAMSUNG
Broadcasting System	NTSC
Variant Model	See Page 3
Date of Test	August 16 ~ 19, 2004
Issued Date	August 19, 2004

	Name/Position	Signature
Tested by	Min Kyung Chul Test Engineer	
Reviewed by	No Cheon, Park Manager of EMC Lab.	
Authorized by	Kyu Baek, Chung 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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- 3. 3 Output Signal Level
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1. General Information

1.1 Basic Information related Product

Applicant	Samsung Electronics Co. Ltd;
Model name	DVD-V4600C
Applicant Address	Samsung Electronics Co. Ltd; 416 Maetan3- Dong, Yeongtong-Gu, Suwon-City, Gyeonggi-Do, Korea, 443-742
Contact Person	Min Kyung Chul
Kind of product	DVD/VHS DUAL DECK
Valiant list	None
Manufacturer	Samsung Electronics Co.Ltd;
New / Alternative / Permissive change Information	This report is original report #

1.2 Detail Information related Product

Specification

Item(s)	Description
Tuner Manufacturer	ALPS
RF Out	CH 03, CH 04
Power Requirement	120V AC, 60Hz, 25W
Weight(s)	13.8 lbs
Disc Compatibility	CD, CD-R, CD-R/W, DVD-Video, CD Digital Audio

1.3 Operating Mode and Condition

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

This EUT has the following operating mode(s).

- VCR Record(NTSC)
- VCR Record(1V VITS)
- VCR Record(5V VITS)
- VCR Play
- DVD Play

1.4 Equipment Modifications

No equipment modifications were required.

1.5 Test Configuration

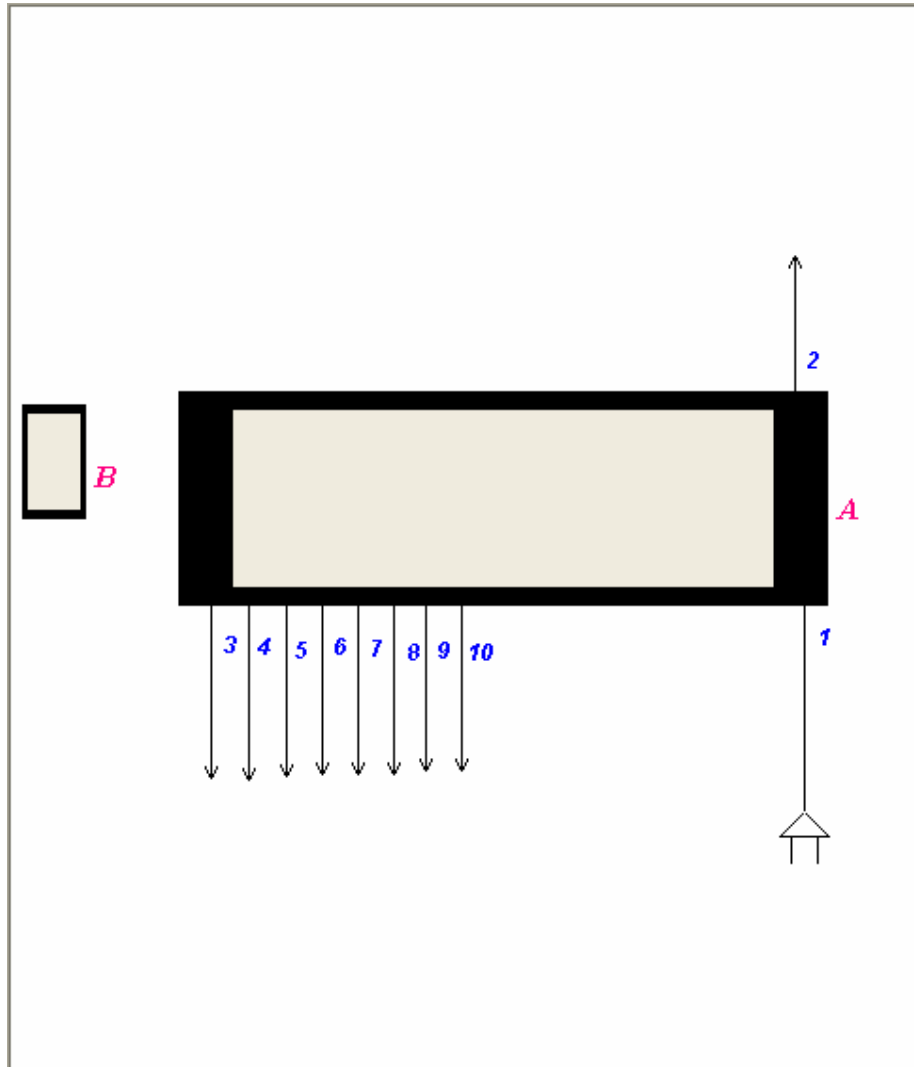
Used EUT and Peripherals

Seq	Device	Model Name	Serial #	Maker	Note
A	DVD/VHS DUAL DECK	DVD-V4600	-	SAMSUNG	
B	Remote Contoller	-	-	SAMSUNG	

Used Cable Description

	Connect Cable	Length	Shielded [Y/N]	Remark
1	Mains	1.5	N	
2	Front AV In	1.5	N	
3	S-Video Out	1.0	N	
4	Componet Video Out	1.5	N	
5	Audio Out	1.5	N	
6	Digital Audio Out	1.5	N	
7	AV In 1	1.5	N	
8	AV Out	1.5	N	
9	Ant In	1.5	Y	
10	Ant Out	1.5	Y	

Block Diagram



1.6 Applied Standards

List

Applied Standards	Test Procedure
FCC Part15 Subpart B	ANSI 63.4 : 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 Disturbance	5.09
Disturbance voltage at the mains terminals	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
3.3	Output Signal Level	FCC Part15 Subpart B	Complied
3.4	Output Terminal Conducted Spurious Emission	FCC Part15 Subpart B	Complied
3.5	Ant. Transfer Switch	FCC Part15 Subpart B	Complied

3. Description of Individual Tests

3.1 Conducted Emission

Test Information		
	Test Engineer	Min Kyung Chul
	Test Date	August 19, 2004
	Climate Condition	Ambient Temperature : 23°C Relative Humidity : 45%
	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	100262	2005-02-11	12
Test Software	EP5CE	TOYO	None	N/A	N/A
TV Signal Generator	PM5418-TDSI	PHILIPS	LO612347	2004-09-20	12
Field strength meter	ESS	R&S	844661/005	2005-01-05	12
RF Relais Matrix	PSU	R&S	861206/024	N/A	N/A
L.I.S.N	ESH3-Z5	R&S	100260	2005-07-06	12
Spectrum Analyzer	ESI	R&S	100067	2005-01-09	12

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..

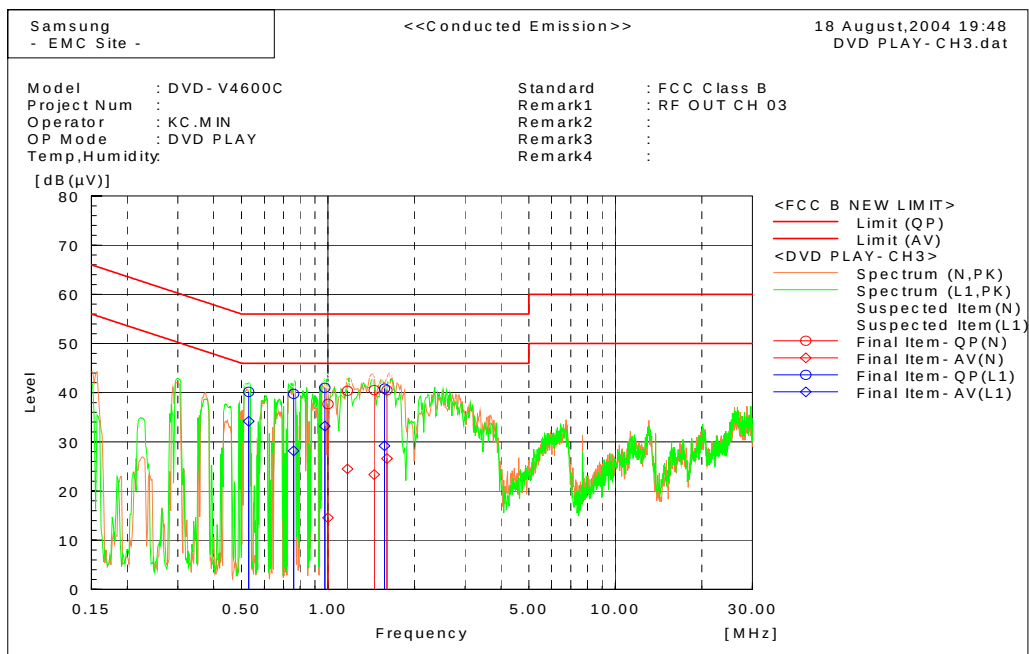
Test Result

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

Test Data

■ Operating Mode : DVD PLAY-RF OUT CH03

[Graph and Data]



Final Result

--- N Phase ---

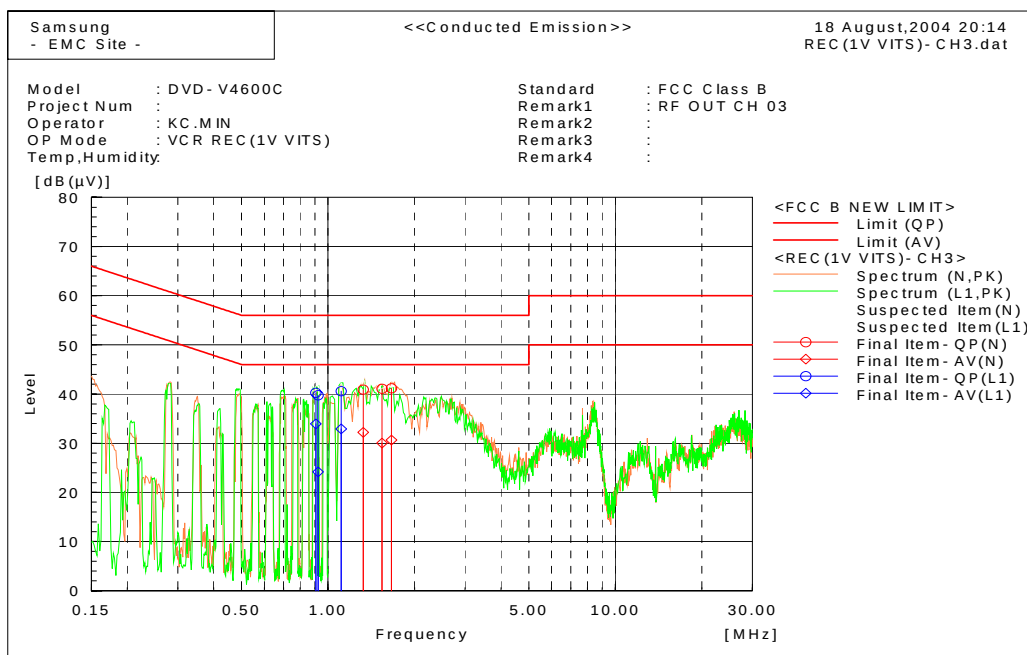
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1	0.99931	37.5	14.3	0.2	37.7	14.5	56.0	46.0	18.3	31.5
2	1.16891	40.2	24.3	0.2	40.4	24.5	56.0	46.0	15.6	21.5
3	1.44865	40.4	23.2	0.1	40.5	23.3	56.0	46.0	15.5	22.7
4	1.60231	40.4	26.5	0.1	40.5	26.6	56.0	46.0	15.5	19.4

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.52954	40.1	34.1	0.1	40.2	34.2	56.0	46.0	15.9	11.8
2	0.75898	39.6	28.0	0.2	39.8	28.2	56.0	46.0	16.2	17.8
3	0.97441	40.8	33.0	0.2	41.0	33.2	56.0	46.0	15.0	12.8
4	1.57292	40.6	29.0	0.2	40.8	29.2	56.0	46.0	15.2	16.8

■ Operating Mode : VCR REC(1V VITS)-RF OUT CH03

[Graph and Data]



Final Result

--- N Phase ---

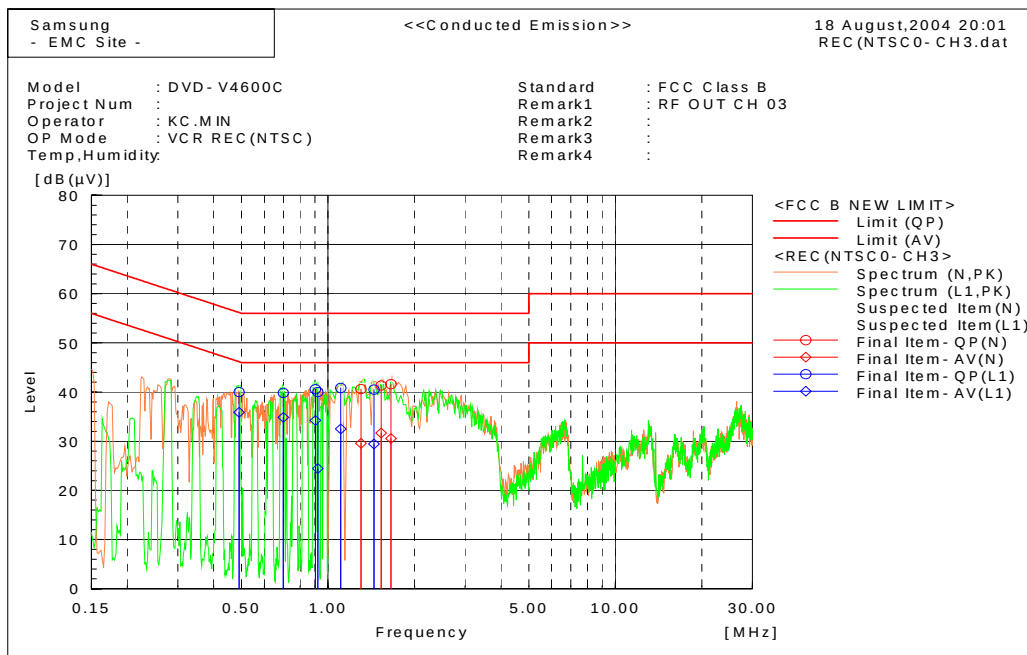
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	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.32546	40.7	32.0	0.2	40.9	32.2	56.0	46.0	15.1	13.8
2	1.54153	41.0	29.9	0.1	41.1	30.0	56.0	46.0	14.9	16.0
3	1.66165	41.1	30.5	0.1	41.2	30.6	56.0	46.0	14.9	15.4

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.90586	40.1	33.8	0.2	40.3	34.0	56.0	46.0	15.8	12.1
2	0.92254	39.6	24.0	0.2	39.8	24.2	56.0	46.0	16.2	21.8
3	1.11047	40.4	32.7	0.2	40.6	32.9	56.0	46.0	15.4	13.1

■ Operating Mode : VCR REC(NTSC)-RF OUT CH03

[Graph and Data]



Final Result

--- N Phase ---

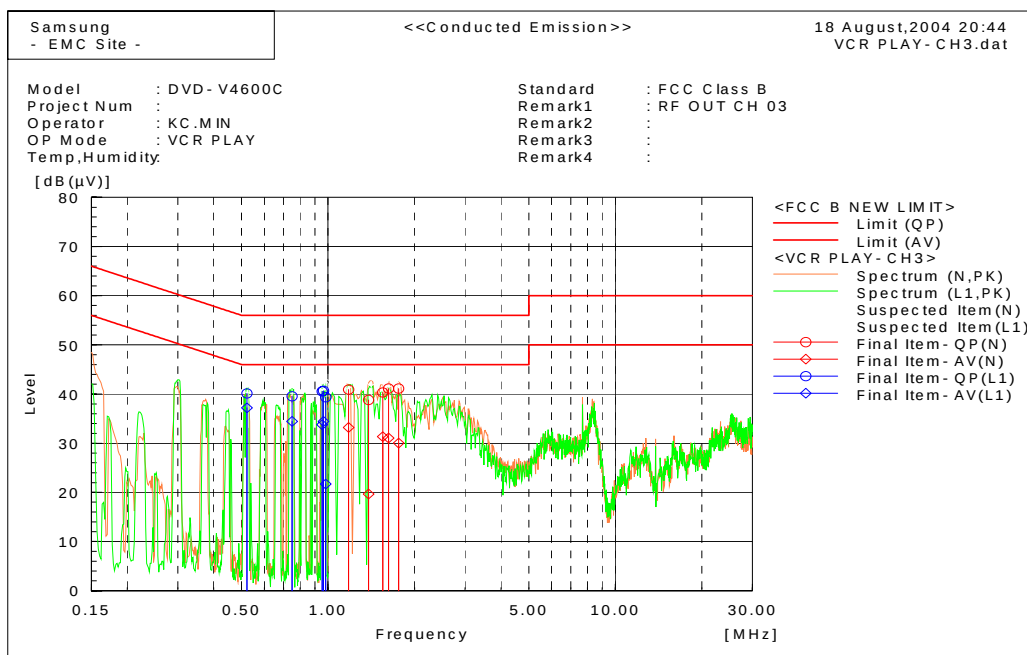
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	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.30238	40.4	29.4	0.2	40.6	29.6	56.0	46.0	15.4	16.4
2	1.53089	41.2	31.6	0.1	41.3	31.7	56.0	46.0	14.7	14.3
3	1.65751	41.5	30.5	0.1	41.6	30.6	56.0	46.0	14.4	15.4

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.49037	39.9	35.8	0.1	40.0	35.9	56.2	46.2	16.2	10.3
2	0.69794	39.7	34.6	0.2	39.9	34.8	56.0	46.0	16.2	11.2
3	0.90385	40.4	34.0	0.2	40.6	34.2	56.0	46.0	15.4	11.8
4	0.92066	39.8	24.3	0.2	40.0	24.5	56.0	46.0	16.0	21.5
5	1.10722	40.6	32.3	0.2	40.8	32.5	56.0	46.0	15.2	13.5
6	1.44432	40.3	29.2	0.2	40.5	29.4	56.0	46.0	15.5	16.6

■ Operating Mode : VCR PLAY-RF OUT CH03

[Graph and Data]



Final Result

--- N Phase ---

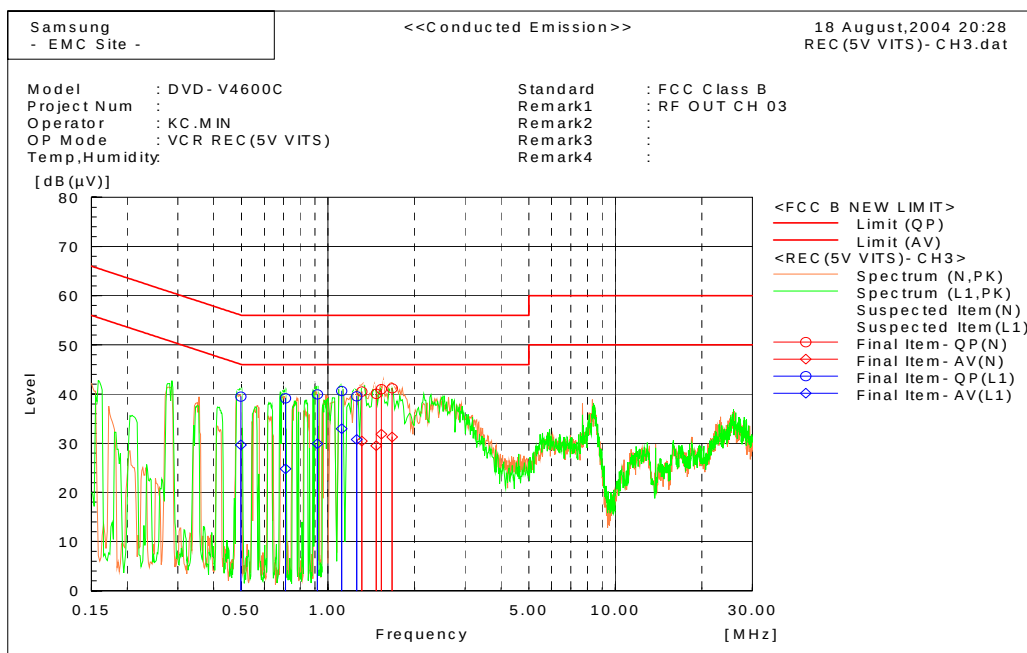
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	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.17847	40.7	33.0	0.2	40.9	33.2	56.0	46.0	15.1	12.8
2	1.38282	38.6	19.5	0.2	38.8	19.7	56.0	46.0	17.2	26.3
3	1.55055	40.2	31.2	0.1	40.3	31.3	56.0	46.0	15.7	14.7
4	1.62378	41.0	31.0	0.1	41.1	31.1	56.0	46.0	14.9	14.9
5	1.75941	41.0	29.9	0.1	41.1	30.0	56.0	46.0	14.9	16.0

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.52229	40.0	37.1	0.1	40.1	37.2	56.0	46.0	15.9	8.8
2	0.74923	39.4	34.2	0.2	39.6	34.4	56.0	46.0	16.4	11.6
3	0.95274	40.4	33.6	0.2	40.6	33.8	56.0	46.0	15.5	12.2
4	0.96386	40.5	34.2	0.2	40.7	34.4	56.0	46.0	15.4	11.6
5	0.98177	39.2	21.5	0.2	39.4	21.7	56.0	46.0	16.7	24.3

■ Operating Mode : VCR REC(5V VITS)-RF OUT CH03

[Graph and Data]



Final Result

--- N Phase ---

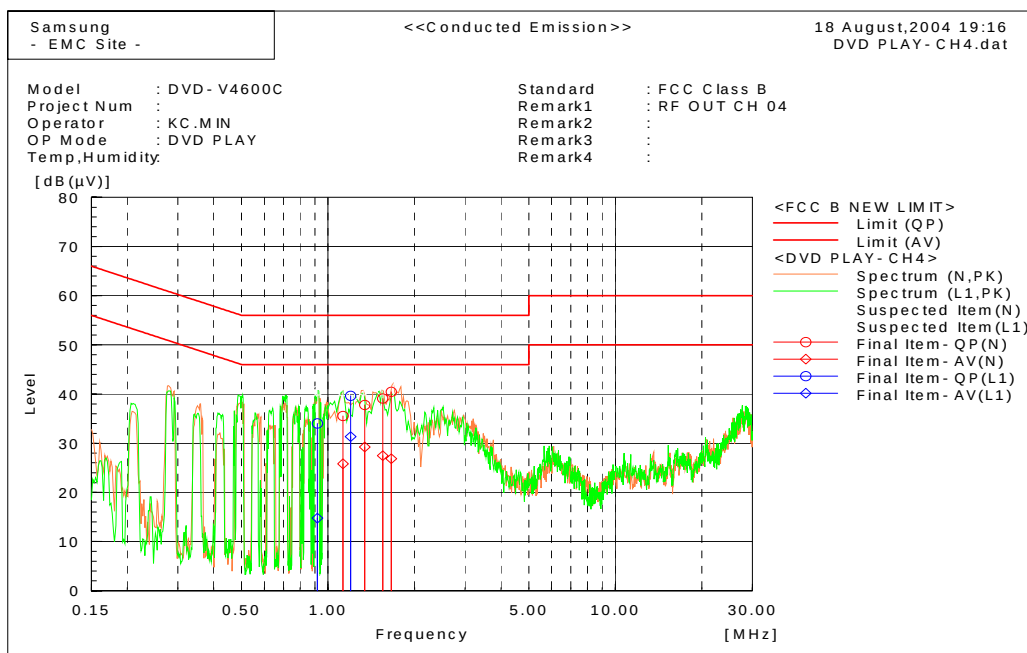
No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result AV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin AV [dB]
1	1.31175	40.3	30.2	0.2	40.5	30.4	56.0	46.0	15.5	15.6
2	1.47191	39.9	29.4	0.1	40.0	29.5	56.0	46.0	16.0	16.5
3	1.5336	40.9	31.8	0.1	41.0	31.9	56.0	46.0	15.0	14.2
4	1.67284	41.1	31.1	0.1	41.2	31.2	56.0	46.0	14.8	14.8

--- 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	0.49686	39.4	29.5	0.1	39.5	29.6	56.1	46.1	16.6	16.5
2	0.71051	38.9	24.6	0.2	39.1	24.8	56.0	46.0	16.9	21.2
3	0.91763	39.7	29.7	0.2	39.9	29.9	56.0	46.0	16.1	16.1
4	1.11516	40.4	32.8	0.2	40.6	33.0	56.0	46.0	15.4	13.0
5	1.25729	39.4	30.6	0.2	39.6	30.8	56.0	46.0	16.5	15.2

■ Operating Mode : DVD PLAY-RF OUT CH04

[Graph and Data]



Final Result

--- N Phase ---

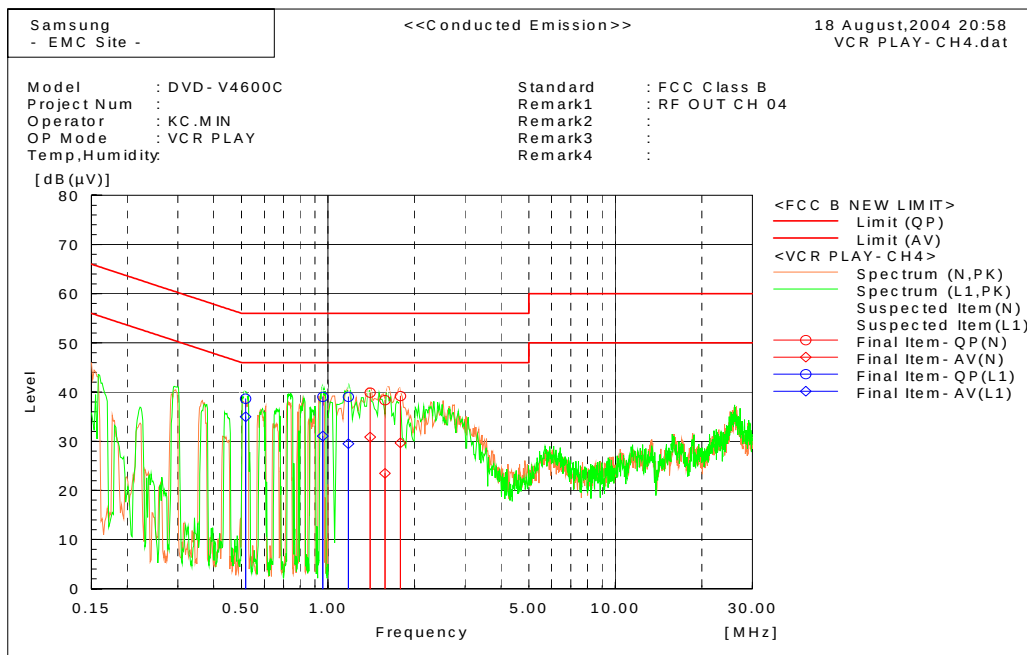
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.12706	35.4	25.6	0.2	35.6	25.8	56.0	46.0	20.4	20.2
2	1.34296	37.6	29.0	0.2	37.8	29.2	56.0	46.0	18.2	16.8
3	1.55037	39.0	27.4	0.1	39.1	27.5	56.0	46.0	16.9	18.5
4	1.65949	40.4	26.7	0.1	40.5	26.8	56.0	46.0	15.5	19.2

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.91743	33.8	14.6	0.2	34.0	14.8	56.0	46.0	22.0	31.2
2	1.19777	39.4	31.2	0.2	39.6	31.4	56.0	46.0	16.4	14.7

■ Operating Mode : VCR PLAY-RF OUT CH04

[Graph and Data]



Final Result

--- N Phase ---

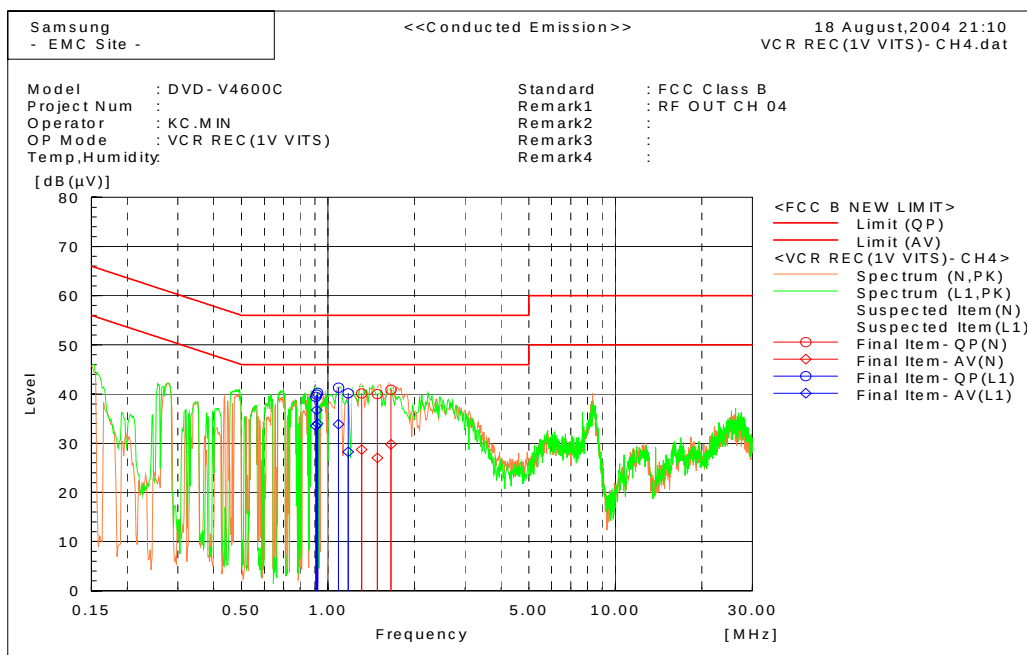
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.40139	39.7	30.6	0.2	39.9	30.8	56.0	46.0	16.1	15.2
2	1.57869	38.3	23.4	0.1	38.4	23.5	56.0	46.0	17.6	22.5
3	1.78772	39.1	29.5	0.1	39.2	29.6	56.0	46.0	16.8	16.4

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.51583	38.5	34.9	0.1	38.6	35.0	56.0	46.0	17.4	11.0
2	0.9581	38.8	30.9	0.2	39.0	31.1	56.0	46.0	17.0	14.9
3	1.17702	38.8	29.3	0.2	39.0	29.5	56.0	46.0	17.0	16.5

■ Operating Mode : VCR REC(1V VITS)-RF OUT CH04

[Graph and Data]



Final Result

--- N Phase ---

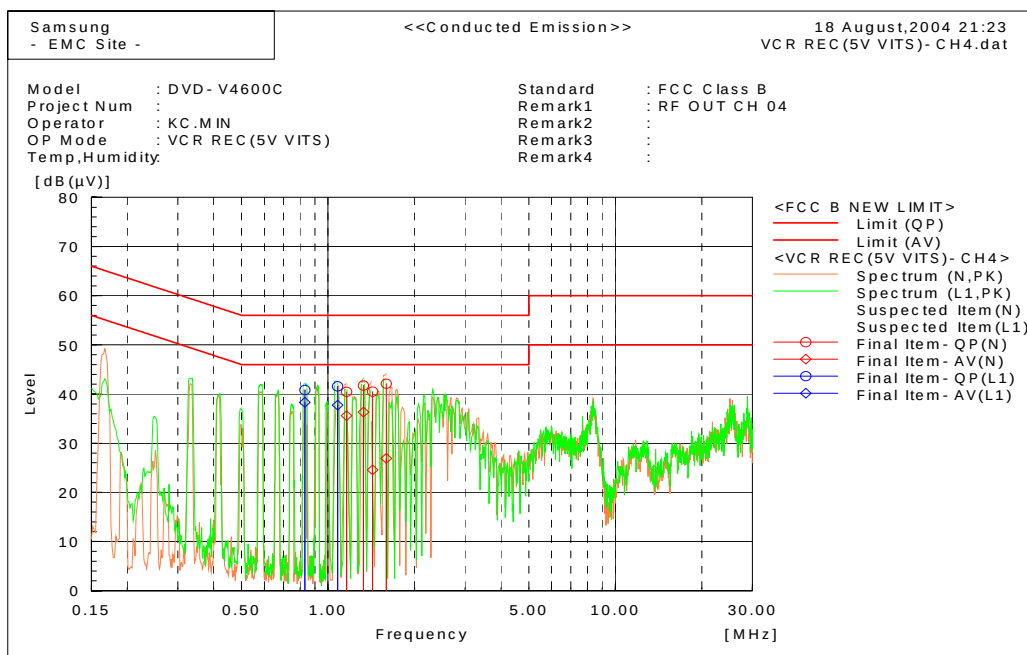
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.30797	39.9	28.5	0.2	40.1	28.7	56.0	46.0	15.9	17.3
2	1.48454	39.9	26.9	0.1	40.0	27.0	56.0	46.0	16.0	19.0
3	1.65714	40.8	29.7	0.1	40.9	29.8	56.0	46.0	15.2	16.2

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.90707	39.2	33.3	0.2	39.4	33.5	56.0	46.0	16.6	12.5
2	0.91256	39.7	36.5	0.2	39.9	36.7	56.0	46.0	16.1	9.3
3	0.92005	40.1	33.8	0.2	40.3	34.0	56.0	46.0	15.8	12.0
4	1.08756	41.1	33.7	0.2	41.3	33.9	56.0	46.0	14.7	12.2
5	1.17558	40.0	28.1	0.2	40.2	28.3	56.0	46.0	15.9	17.7

■ Operating Mode : VCR REC(5V VITS)-RF OUT CH04

[Graph and Data]



Final Result

--- N Phase ---

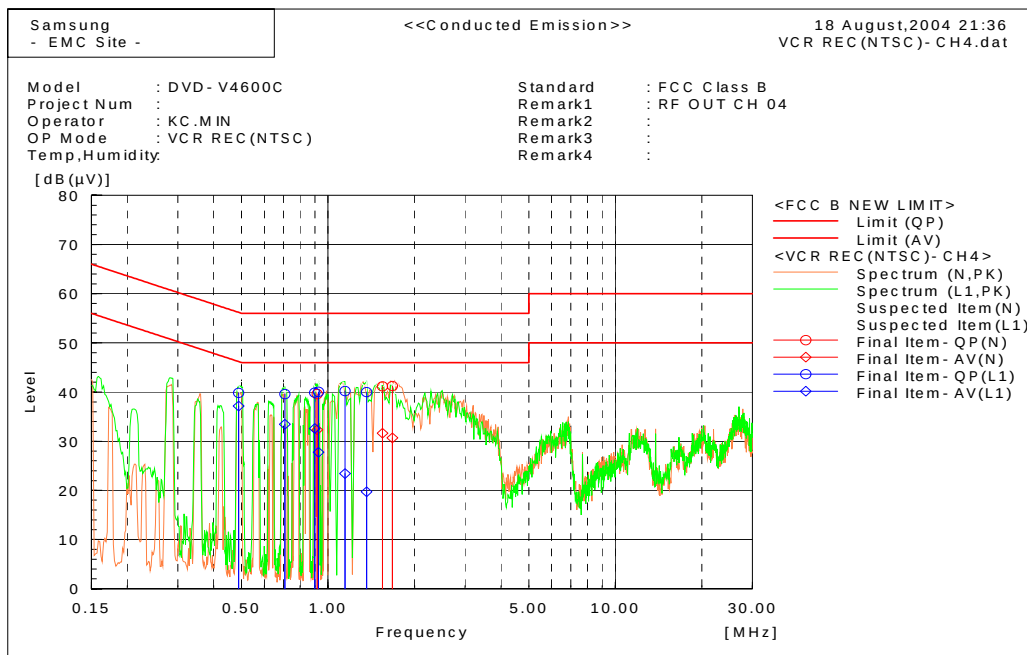
No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	1.15917	40.3	35.4	0.2	40.5	35.6	56.0	46.0	15.5	10.4
2	1.32871	41.5	36.2	0.2	41.7	36.4	56.0	46.0	14.3	9.7
3	1.42881	40.4	24.5	0.1	40.5	24.6	56.0	46.0	15.5	21.4
4	1.59564	42.0	26.8	0.1	42.1	26.9	56.0	46.0	13.9	19.1

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.82958	40.6	38.1	0.2	40.8	38.3	56.0	46.0	15.2	7.7
2	1.07873	41.4	37.6	0.2	41.6	37.8	56.0	46.0	14.4	8.3

■ Operating Mode : VCR REC(NTSC)-RF OUT CH04

[Graph and Data]



Final Result

--- N Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.91642	39.4	32.1	0.2	39.6	32.3	56.0	46.0	16.4	13.7
2	1.54821	41.1	31.5	0.1	41.2	31.6	56.0	46.0	14.8	14.4
3	1.675	41.1	30.6	0.1	41.2	30.7	56.0	46.0	14.8	15.3

--- L1 Phase ---

No.	Frequency	Reading QP	Reading AV	c.f	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	[MHz]	[dB(μV)]	[dB(μV)]	[dB]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB(μV)]	[dB]	[dB]
1	0.48836	39.7	37.1	0.1	39.8	37.2	56.2	46.2	16.4	9.1
2	0.70726	39.4	33.2	0.2	39.6	33.4	56.0	46.0	16.4	12.6
3	0.89862	39.7	32.4	0.2	39.9	32.6	56.0	46.0	16.1	13.4
4	0.92654	39.9	27.6	0.2	40.1	27.8	56.0	46.0	16.0	18.2
5	1.14456	40.0	23.2	0.2	40.2	23.4	56.0	46.0	15.8	22.6
6	1.36117	39.8	19.5	0.2	40.0	19.7	56.0	46.0	16.0	26.3

3.2 Radiated Emission

Test Information		
	Test Engineer	Min Kyung Chul
	Test Date	August 16, 2004
	Climate Condition	Ambient Temperature : 23°C Relative Humidity : 45%
	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	2005-05-22	12
Mast Controller	HD2000	HD	HD20000902027	N/A	N/A
Test Software	EP5RET	TOYO	None	N/A	N/A
EMI Receiver	ESI26	R&S	100067	2005-01-09	12
Test Software	EP5RE	TOYO	None	N/A	N/A
TV Signal Generator	PM5418-TDSI	PHILIPS	LO627116	2005-01-28	12
Signal Generator	SMG	R&S	860288036	2004-11-06	12
AMPLIFIER	310N	SONOMA	185861	2004-09-20	12
Spectrum Analyzer	E7405A	Agilent	MY42000109	2004-11-27	12
Field strength meter	ESCS30	R&S	839809/002	2005-04-28	12

EUT Test Setup

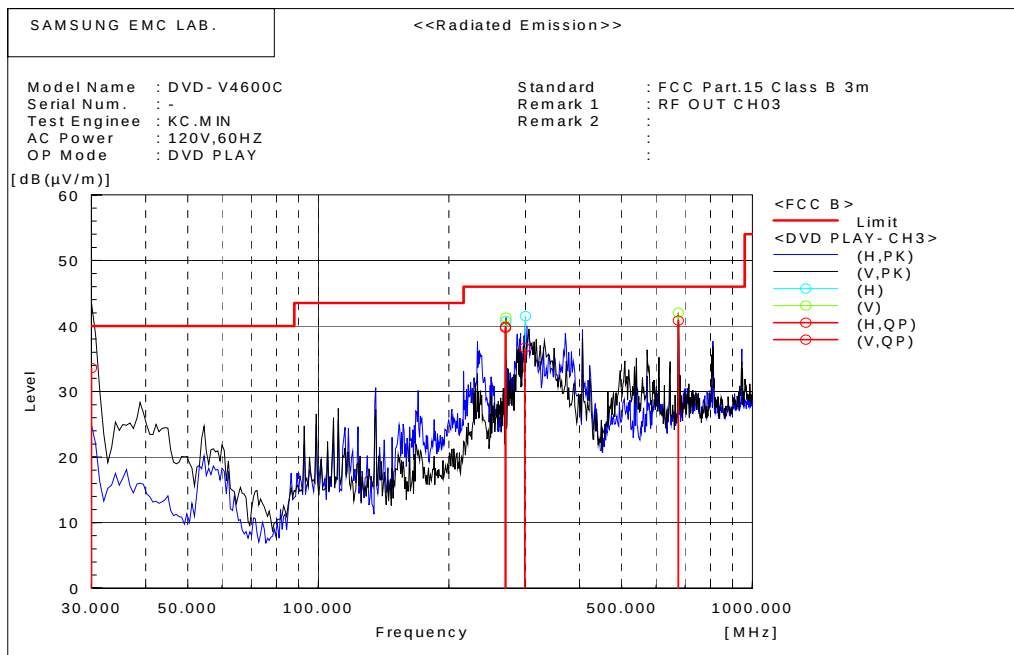
EUT set up in semi-anechoic chamber. EUT positioned at 3m from antenna in center of table.
 All ports terminated into characteristic loads.

Test Result

Measurement Results	Pass
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Test Data (Other Frequency)

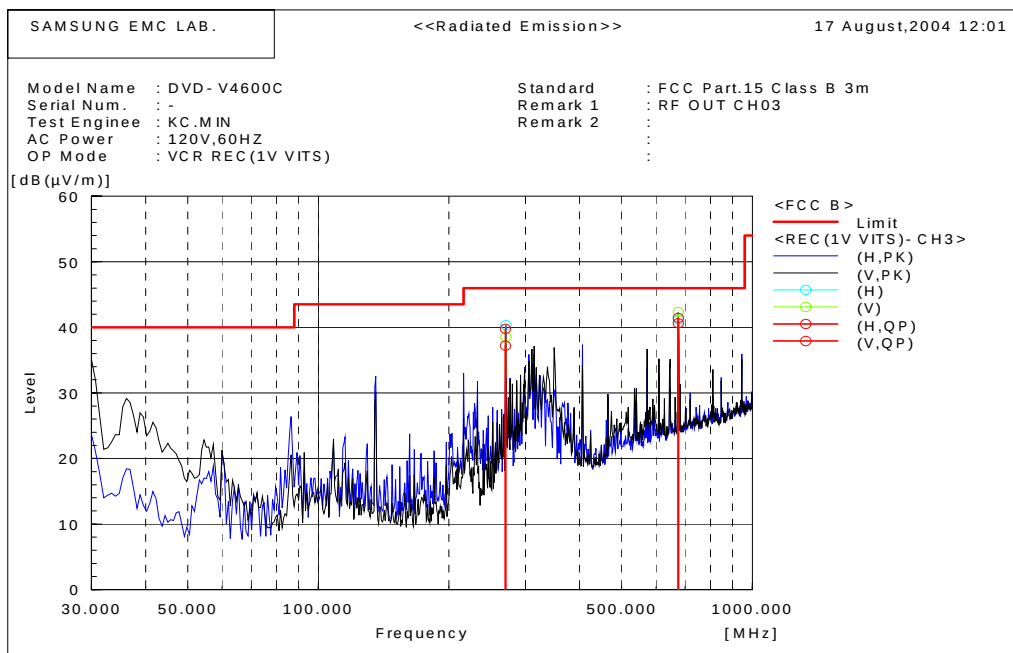
■ Operating Mode : DVD PLAY-RF OUT CH03



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading OP [dB(μV)]	c.f [dB(1/m)]	Result OP [dB(μV/m)]	Limit [dB(μV/m)]	Margin OP [dB]	Height [cm]	Angle [°]
1	30.000	V	S	46.6	-13.0	33.6	40.0	6.4	344.0	82.0
2	270.003	V	S	54.7	-15.0	39.7	46.0	6.3	185.0	353.0
3	270.003	H	S	54.9	-15.0	39.9	46.0	6.1	102.0	121.0
4	299.021	H	S	50.6	-13.9	36.7	46.0	9.3	104.0	291.0
5	675.010	V	S	45.6	-4.8	40.8	46.0	5.2	102.0	20.0

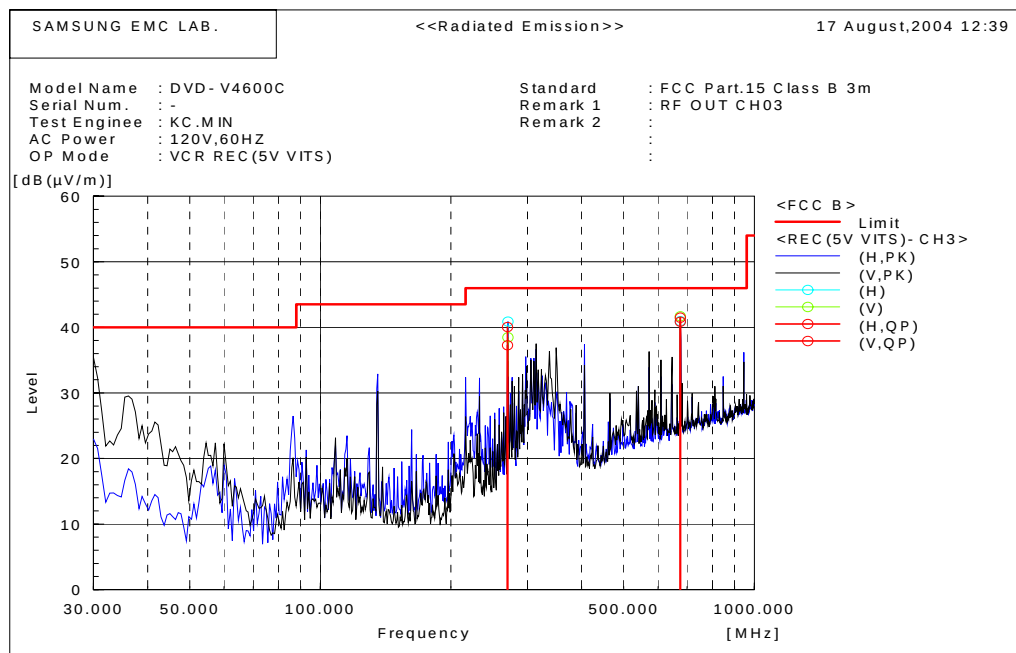
■ Operating Mode : VCR REC(1V VITS)-RF OUT CH03



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	270.003	H	S	54.8	-15.0	39.8	46.0	6.2	105.0	59.0
2	270.003	V	S	52.2	-15.0	37.2	46.0	8.8	189.0	2.0
3	674.990	V	S	45.4	-4.8	40.6	46.0	5.4	102.0	30.0
4	674.990	H	S	46.2	-4.8	41.4	46.0	4.6	126.0	95.0

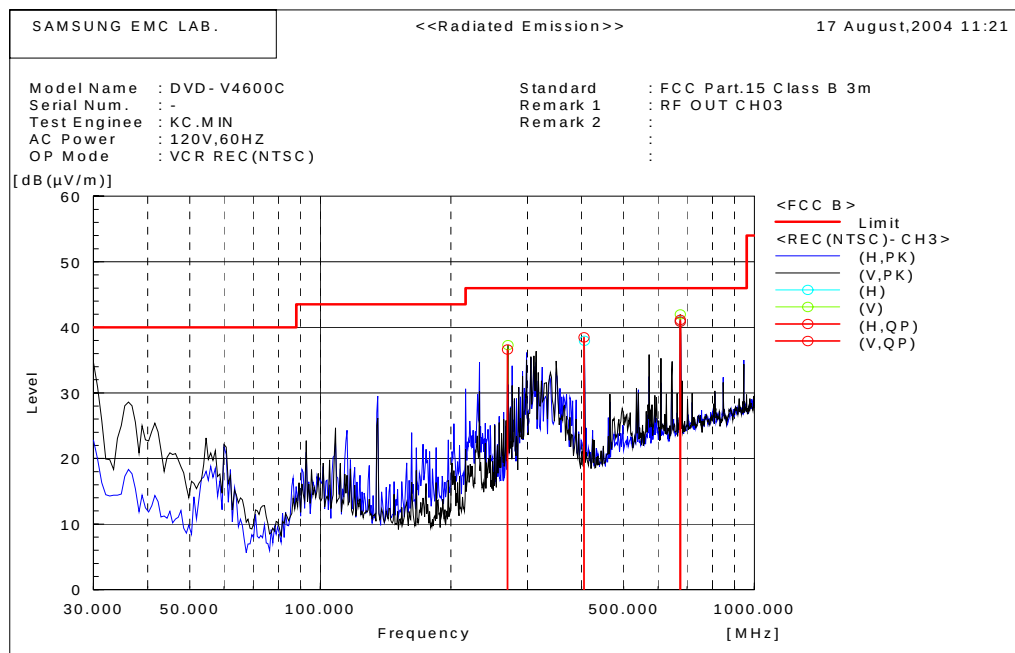
■ Operating Mode : VCR REC(5V VITS)-RF OUT CH03



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	270.003	H	S	55.1	-15.0	40.1	46.0	5.9	104.0	50.0
2	270.003	V	S	52.3	-15.0	37.3	46.0	8.7	180.0	4.0
3	674.990	V	S	45.7	-4.8	40.9	46.0	5.2	102.0	22.0
4	674.990	H	S	46.3	-4.8	41.5	46.0	4.5	128.0	95.0

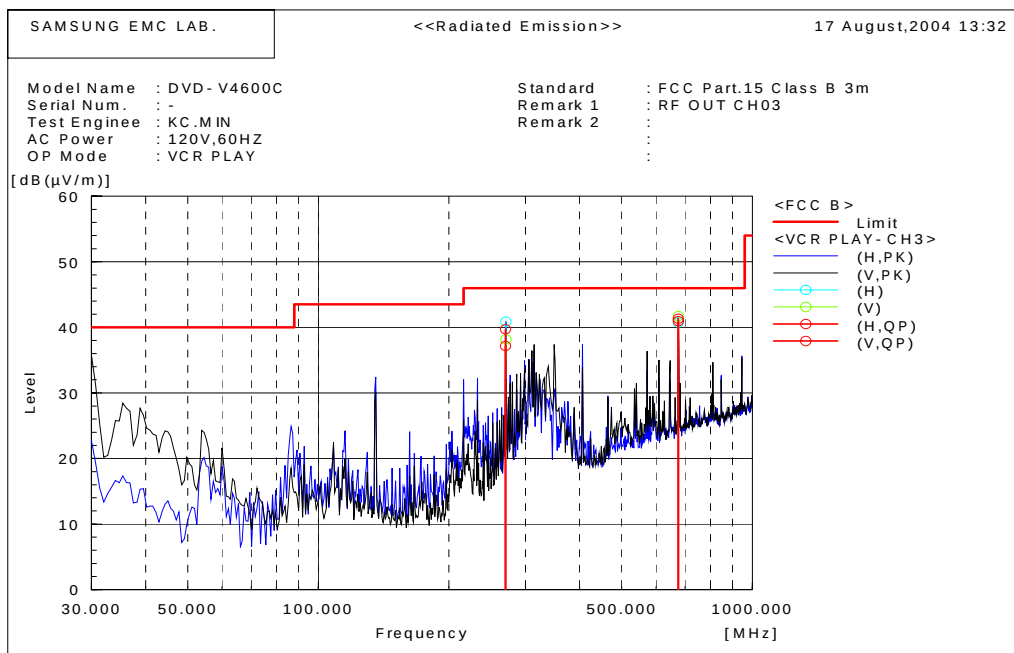
■ Operating Mode : VCR REC(NTSC)-RF OUT CH03



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	270.003	V	S	51.6	-15.0	36.6	46.0	9.4	178.0	14.0
2	405.000	H	S	49.0	-10.5	38.5	46.0	7.5	101.0	350.0
3	674.990	V	S	45.7	-4.8	40.9	46.0	5.1	103.0	22.0
4	675.010	H	S	45.9	-4.8	41.1	46.0	4.9	128.0	94.0

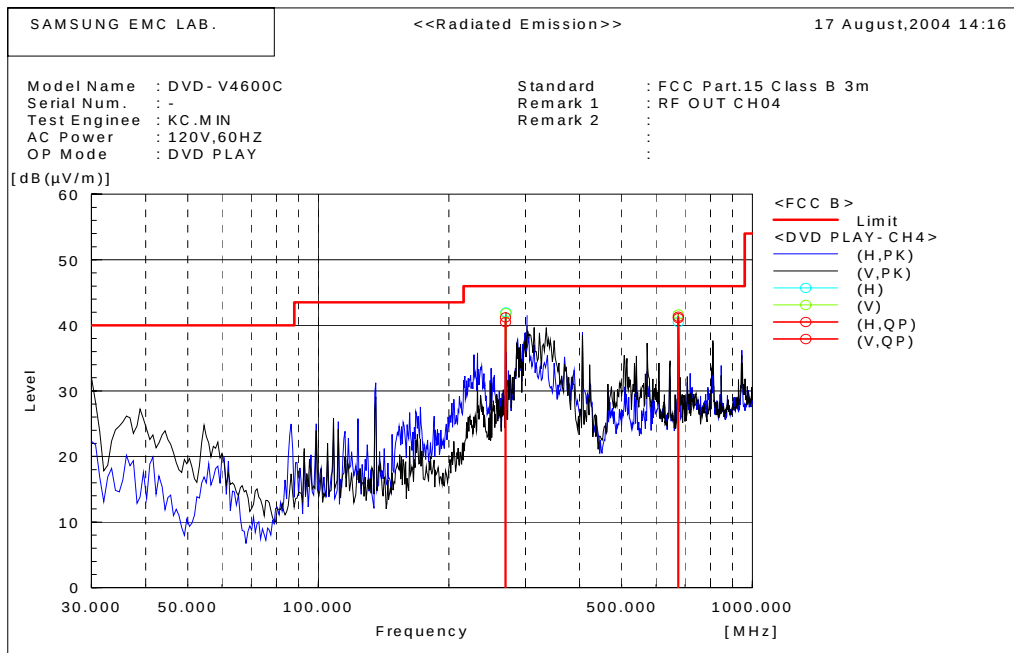
■ Operating Mode : VCR PLAY-CH03



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	270.003	H	S	54.7	-15.0	39.7	46.0	6.3	104.0	59.0
2	270.003	V	S	52.2	-15.0	37.2	46.0	8.8	187.0	1.0
3	674.990	V	S	45.8	-4.8	41.0	46.0	5.1	102.0	24.0
4	674.990	H	S	46.1	-4.8	41.3	46.0	4.7	128.0	97.0

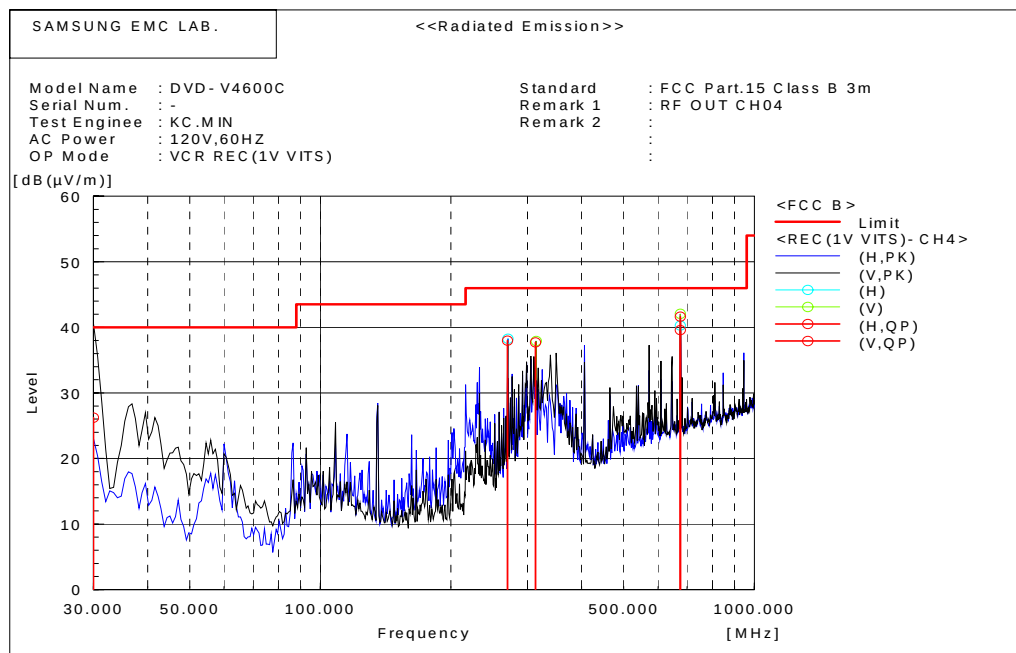
■ Operating Mode : DVD PLAY-RF OUT CH04



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	270.003	H	S	56.2	-15.0	41.2	46.0	4.8	106.0	173.0
2	270.003	V	S	55.5	-15.0	40.5	46.0	5.5	210.0	15.0
3	674.990	V	S	46.1	-4.8	41.3	46.0	4.7	175.0	34.0
4	674.990	H	S	45.9	-4.8	41.1	46.0	4.9	136.0	92.0

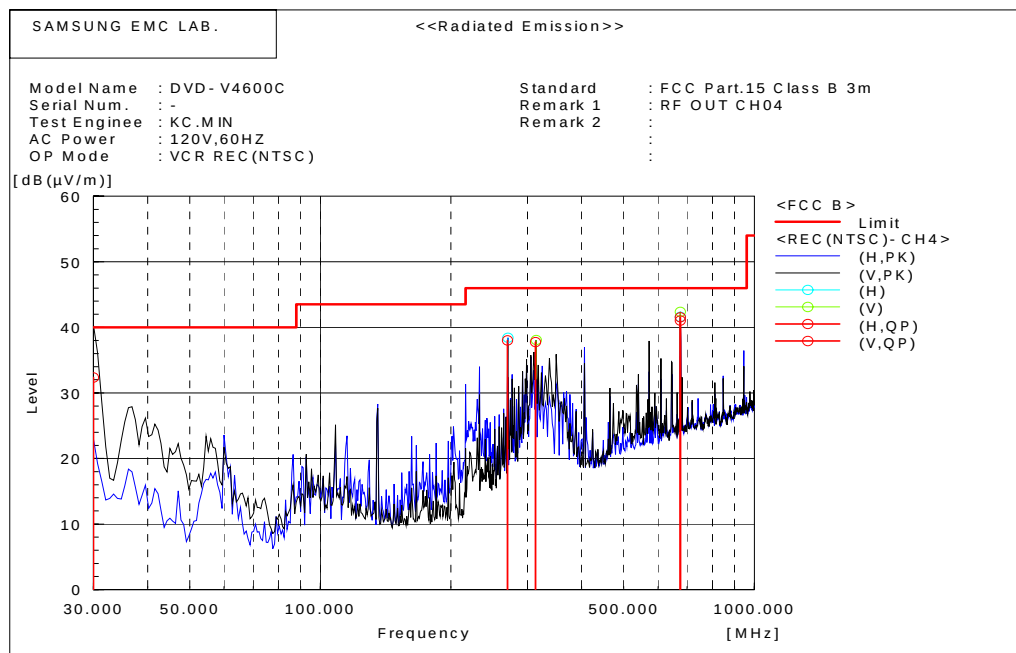
■ Operating Mode : VCR REC(1V VITS)-RF OUT CH04



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading [dB(μV)]	c.f [dB(1/m)]	Result [dB(μV/m)]	Limit [dB(μV/m)]	Margin [dB]	Height [cm]	Angle [°]
1	30.000	V	S	39.2	-13.0	26.2	40.0	13.8	176.0	157.0
2	270.003	H	S	53.0	-15.0	38.0	46.0	8.0	106.0	66.0
3	313.350	V	S	51.2	-13.5	37.7	46.0	8.3	175.0	353.0
4	674.990	V	S	46.4	-4.8	41.6	46.0	4.4	162.0	35.0
5	674.990	H	S	44.4	-4.8	39.6	46.0	6.4	102.0	246.0

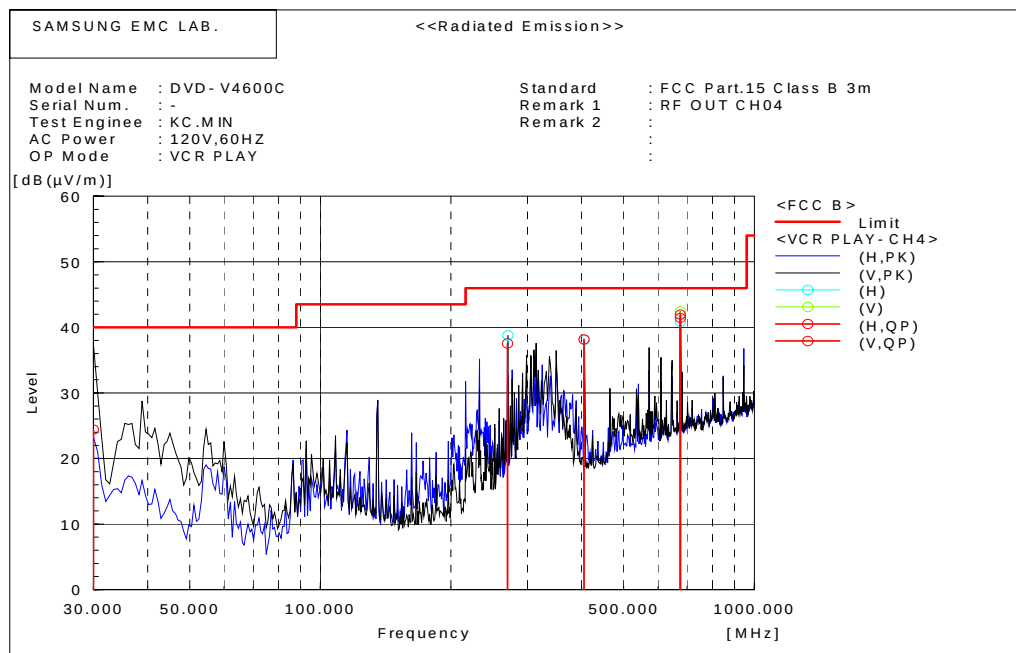
■ Operating Mode : VCR REC(NTSC)-RF OUT CH04



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]	Height [cm]	Angle [°]
1	30.000	V	S	45.4	-13.0	32.4	40.0	7.6	399.0	88.0
2	270.003	H	S	53.0	-15.0	38.0	46.0	8.0	102.0	65.0
3	313.350	V	S	51.3	-13.5	37.8	46.0	8.3	182.0	359.0
4	674.990	V	S	45.8	-4.8	41.0	46.0	5.0	102.0	23.0
5	675.010	H	S	46.3	-4.8	41.5	46.0	4.5	133.0	95.0

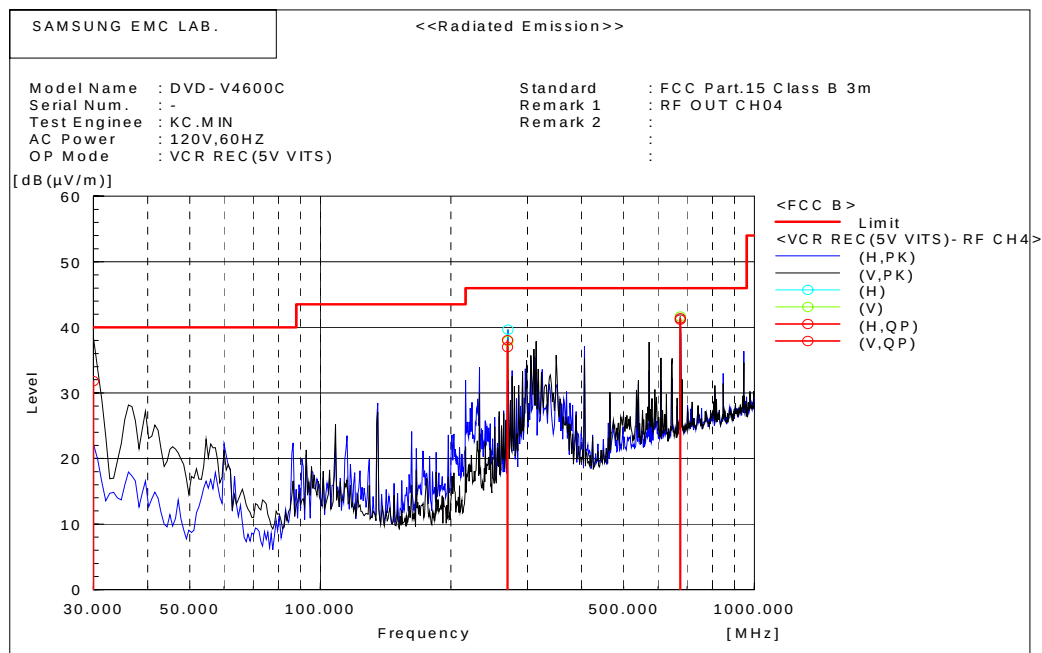
■ Operating Mode : VCR PLAY-RF OUT CH04



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	30.000	V	S	37.4	-13.0	24.4	40.0	15.6	101.0	65.0
2	270.003	H	S	52.6	-15.0	37.6	46.0	8.4	105.0	122.0
3	405.000	H	S	48.7	-10.5	38.2	46.0	7.8	102.0	291.0
4	674.990	V	S	46.8	-4.8	42.0	46.0	4.1	102.0	14.0
5	674.990	H	S	46.3	-4.8	41.5	46.0	4.6	127.0	92.0

■ Operating Mode : VCR REC(5V VITS)-RF OUT CH04



Final Result

No.	Frequency [MHz]	(P)	S.C	Reading ^{OP} [dB(μV)]	c.f [dB(1/m)]	Result ^{OP} [dB(μV/m)]	Limit [dB(μV/m)]	Margin ^{OP} [dB]	Height [cm]	Angle [°]
1	674.990	V	S	46.0	-4.8	41.2	46.0	4.8	101.0	17.0
2	674.990	H	S	46.2	-4.8	41.4	46.0	4.6	126.0	94.0
3	270.003	H	S	53.1	-15.0	38.1	46.0	8.0	102.0	66.0
4	270.003	V	S	52.0	-15.0	37.0	46.0	9.0	195.0	12.0
5	30.000	V	S	44.8	-13.0	31.8	40.0	8.2	197.0	90.0

3.3 Output Signal Level

Test Information		
	Test Engineer	Min Kyung Chul
	Test Date	August 19, 2004
	Climate Condition	Ambient Temperature : 23°C Relative Humidity : 45%
	Test Place	Shield Room #5

Test Equipments

Equipment	Model Name	Manufacturer	Serial No.	Calibration	
				Next Date	Interval
TV Signal Generator	PM5418-TDSI	PHILIPS	LO612437	2004-09-20	12
Pre-Amplifier	310N	SONOMA	185861	2004-09-20	12
Test Receiver	ESS	R&S	844861/005	2005-01-05	12
Matching Pad	RAM	R&S	834188/009	2005-01-08	12
Spectrum Analyzer	ESI	R&S	100067	2005-01-09	12
RF Matrix	PSU	R&S	861206/024	N/A	12

EUT Test Setup

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

Test Result

Measurement Results	Pass No Operation errors were detected during or after the applied test.
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Test Data

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
56.76803	70.8	-20	50.8	56.5	5.7
61.25701	84.3	-20	64.3	69.5	5.3
65.74398	70.2	-20	50.2	56.5	6.3

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

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
62.74799	70.7	-20	50.7	56.5	5.8
67.24098	84	-19.9	64.1	69.5	5.4
71.72595	69.7	-19.9	49.8	56.5	6.7

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

■ Operating Mode : VCR REC(1V VITS) RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
56.75401	70.9	-20	50.9	56.5	5.6
61.26102	84.1	-20	64.1	69.5	5.4
65.75401	70.3	-20	50.3	56.5	6.3

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

■ Operating Mode : VCR REC(1V VITS) RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
62.74198	70.7	-20	50.7	56.5	5.8
67.23698	83.8	-19.9	63.9	69.5	5.6
71.73798	69.8	-19.9	49.9	56.5	6.6

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
56.752	70.9	-20	50.9	56.5	5.6
61.26302	84.1	-20	64.1	69.5	5.4
65.75201	70.2	-20	50.2	56.5	6.3

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
62.74599	70.7	-20	50.7	56.5	5.8
67.23698	83.8	-19.9	63.9	69.5	5.7
71.73998	69.8	-19.9	49.9	56.5	6.6

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

■ Operating Mode : VCR PLAY

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
56.76803	70.8	-20	50.8	56.5	5.7
61.25701	83.3	-20	63.3	69.5	6.2
65.76403	70.2	-20	50.2	56.5	6.3

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

■ Operating Mode : VCR PLAY

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
62.73998	70.6	-20	50.6	56.5	5.9
67.23698	83.9	-19.9	64	69.5	5.5
71.73598	69.7	-19.9	49.8	56.5	6.7

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

■ Operating Mode : DVD PLAY

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
56.79209	70.8	-20	50.8	56.5	5.7
61.25701	84.2	-20	64.2	69.5	5.3
65.72195	70.2	-20	50.2	56.5	6.3

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

■ Operating Mode : DVD PLAY

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
62.76603	70.7	-20	50.7	56.5	5.9
67.23497	83.8	-19.9	63.9	69.5	5.6
71.69591	69.6	-19.9	49.7	56.5	6.8

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

3.4 Output Terminal Conducted Spurious

Test Information		
	Test Engineer	Min Kyung Chul
	Test Date	August 19, 2004
	Climate Condition	Ambient Temperature : 23°C Relative Humidity : 45%
	Test Place	Shield Room #5

Test Equipments

Equipment	Modal Name	Manufacturer	Serial No.	Calibration	
				Next Date	Interval
Pre-Amplifier	310N	SONOMA	185861	2004-09-20	12
RF Matrix	PSU	R&S	861206/024	N/A	12
Spectrum Analyzer	ESI	R&S	100067	2005-01-09	12
COLOR TV PATTERN GENERATOR	PM5418-TDSI	PHILIPS	LO612437	9/20/2004	
Test Receiver	ESS	R&S	844861/005	2005-01-05	12
Matching Pad	RAM	R&S	834188/009	2005-01-08	12

EUT Test Setup

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

Tested frequency range were from 30MHz to more than 4.6MHz below the visual carrier frequency, and from more than 7.4MHz above the visual carrier frequency to 1000MHz

Test Result

Measurement Results	Pass No Operation errors were detected during or after the applied test.
---------------------	---

Test Data

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :3CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
47.79168	34.1	-20.1	14	39.5	25.5
50.72585	35.4	-20.1	15.3	39.5	24.2
55.24246	38.5	-20	18.5	39.5	21

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

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :3CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
74.71373	32	-19.9	12.1	39.5	27.4
89.89466	28.8	-19.8	9	39.5	30.5
122.51151	47.8	-19.5	28.3	39.5	11.2

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

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :4CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
50.72687	35.5	-20.1	15.4	39.5	24.1
53.70266	33.7	-20	13.7	39.5	25.8
55.24028	38.3	-20	18.3	39.5	21.2

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

■ Operating Mode : VCR REC(NTSC) RF Output CH No. :4CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
80.78509	31.9	-19.8	12.1	39.5	27.4
95.87759	28.1	-19.7	8.4	39.5	31.1
134.48098	44.6	-19.4	25.2	39.5	14.4

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

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :3CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
47.7591	34.4	-20.1	14.3	39.5	25.2
50.75843	35.5	-20.1	15.4	39.5	24.1
55.24353	39.3	-20	19.3	39.5	20.3

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

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :3CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
74.74968	32.5	-19.9	12.6	39.5	26.9
118.0206	28.2	-19.6	8.6	39.5	31
122.51151	47.7	-19.5	28.2	39.5	11.4

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

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :4CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
50.72555	35.5	-20.1	15.4	39.5	24.1
53.73668	34.1	-20	14.1	39.5	25.4
55.24224	38.4	-20	18.4	39.5	21.1

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

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :4CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
80.74297	32.1	-19.8	12.3	39.5	27.2
95.87759	28	-19.7	8.3	39.5	31.2
134.4725	44.3	-19.4	24.9	39.5	14.6

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :3CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
47.75803	34.4	-20.1	14.3	39.5	25.2
50.72532	35.6	-20.1	15.5	39.5	24
55.24246	38.6	-20	18.6	39.5	20.9

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :3CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
122.5029	47.5	-19.5	28	39.5	11.5
127.011	26.5	-19.5	7	39.5	32.5
662.89081	35.8	-18.9	16.9	39.5	22.7

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :4CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
50.72555	36.1	-20.1	16	39.5	23.5
52.92403	32.9	-20.1	12.8	39.5	26.7
55.24224	38.5	-20	18.5	39.5	21

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :4CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
83.66708	27.4	-19.8	7.6	39.5	31.9
134.48941	44.5	-19.4	25.1	39.5	14.4
662.88069	35.8	-18.9	16.9	39.5	22.7

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

■ Operating Mode : VCR PLAY

RF Output CH No. :3CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
47.81144	33.6	-20.1	13.5	39.5	26
50.72638	35.5	-20.1	15.4	39.5	24.1
55.23926	39.7	-20	19.7	39.5	19.8

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

■ Operating Mode : VCR PLAY

RF Output CH No. :3CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
74.71972	31.8	-19.9	11.9	39.5	27.6
118.01209	28.2	-19.6	8.6	39.5	30.9
122.5029	47.6	-19.5	28.1	39.5	11.5

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

■ Operating Mode : VCR PLAY

RF Output CH No. :4CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
50.72621	35.6	-20.1	15.5	39.5	24
53.74061	34.1	-20	14.1	39.5	25.4
55.24093	38.4	-20	18.4	39.5	21.1

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

■ Operating Mode : VCR PLAY

RF Output CH No. :4CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
80.74297	32.2	-19.8	12.4	39.5	27.1
134.48098	44.8	-19.4	25.4	39.5	14.1
662.88069	35.8	-18.9	16.9	39.5	22.6

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

■ Operating Mode : DVD PLAY

RF Output CH No. :3CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
47.87286	33.8	-20.1	13.7	39.5	25.9
50.72478	35.4	-20.1	15.3	39.5	24.2
55.24139	38.3	-20	18.3	39.5	21.2

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

■ Operating Mode : DVD PLAY

RF Output CH No. :3CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
74.63717	31.7	-19.9	11.8	39.5	27.7
117.9864	27.8	-19.6	8.2	39.5	31.3
122.51151	47.8	-19.5	28.3	39.5	11.2

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

■ Operating Mode : DVD PLAY

RF Output CH No. :4CH[Spurious Low]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
50.75827	35.6	-20.1	15.5	39.5	24
53.74061	33.3	-20	13.3	39.5	26.3
55.24224	38.4	-20	18.4	39.5	21.1

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

■ Operating Mode : DVD PLAY

RF Output CH No. :4CH[Spurious High]

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
80.86095	31.5	-19.8	11.7	39.5	27.8
134.48098	44.5	-19.4	25.1	39.5	14.4
662.88069	35.6	-18.9	16.7	39.5	22.8

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

3.5 Antenna Transfer Switch Measurement

Test Information		
	Test Engineer	Min Kyung Chul
	Test Date	August 19, 2004
	Climate Condition	Ambient Temperature : 23°C Relative Humidity : 45%
	Test Place	Shield Room #5

Test Equipments

Equipment	Modal Name	Manufacturer	Serial No.	Calibration	
				Next Date	Interval
TV Signal Generator	PM5418-TDSI	PHILIPS	LO612437	2004-09-20	12
Pre-Amplifier	310N	SONOMA	185861	2004-09-20	12
Matching Pad	RAM	R&S	834188/009	2005-01-08	12
RF Matrix	PSU	R&S	861206/024	N/A	12
Spectrum Analyzer	ESI	R&S	100067	2005-01-09	12
Test Receiver	ESS	R&S	844861/005	2005-01-05	12

EUT Test Setup

The Antenna 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).

Test Result

Measurement Results	Pass No Operation errors were detected during or after the applied test.
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Test Data

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
61.26008	24.1	-20	4.1	9.5	5.4

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

■ Operating Mode : VCR REC(1V VITS)

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
67.24398	23.2	-19.9	3.3	9.5	6.3

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
61.26028	24.1	-20	4.1	9.5	5.4

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

■ Operating Mode : VCR REC(5V VITS)

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
67.24398	23.2	-19.9	3.3	9.5	6.2

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

■ Operating Mode : VCR PLAY

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
61.25194	24.7	-20	4.7	9.5	4.8

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

■ Operating Mode : VCR PLAY

RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
67.23998	23.7	-19.9	3.8	9.5	5.7

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

■ Operating Mode : DVD PLAY

RF Output CH No. :3CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
61.26068	24.5	-20	4.5	9.5	5

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

■ Operating Mode : DVD PLAY

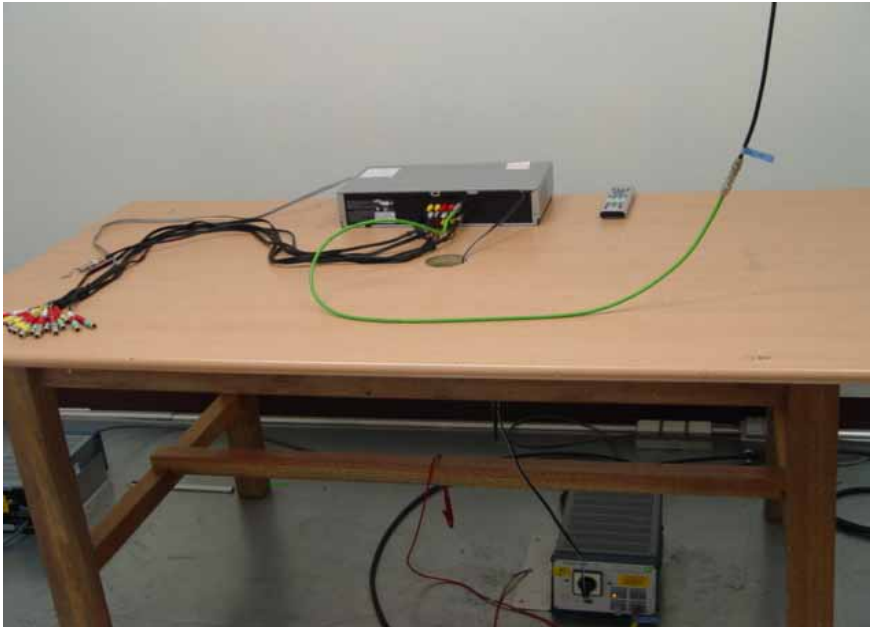
RF Output CH No. :4CH

Frequency	Reading	Factor	Level	Limit	Margin
[MHz]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dB]
67.23372	23.2	-19.9	3.3	9.5	6.2

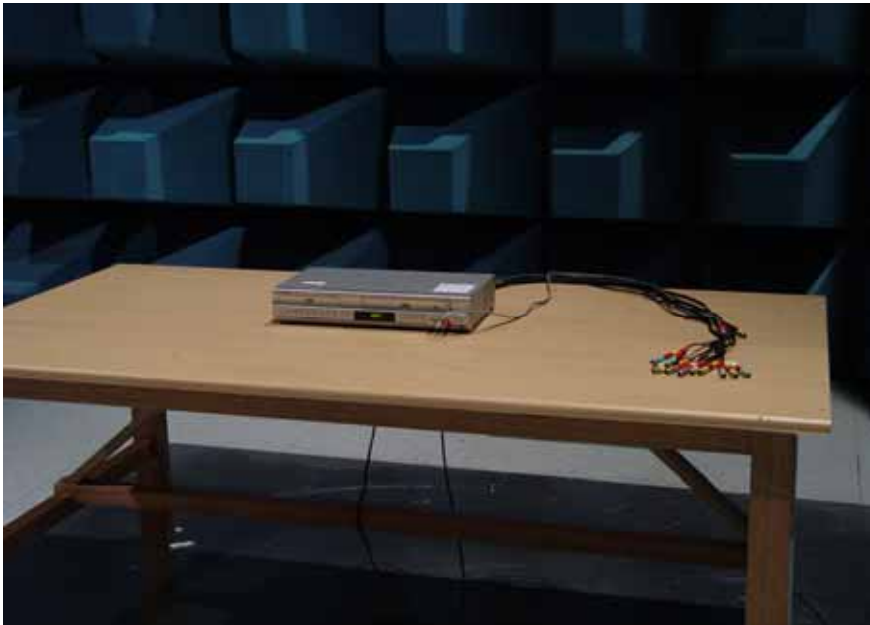
* Factor = Preamp Gain + Matching Pad Loss + Cable Loss

4. Appendix A

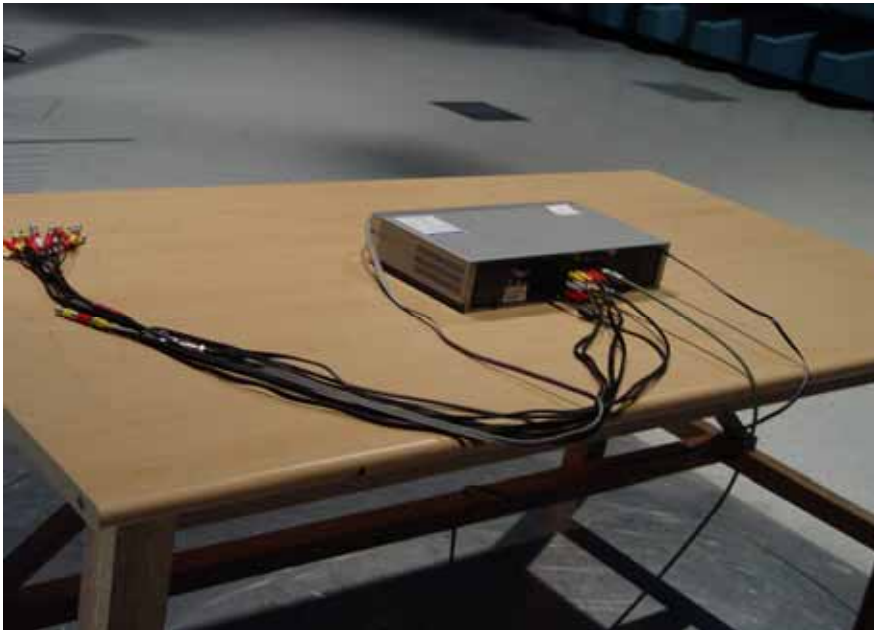
4.1 Test Photography



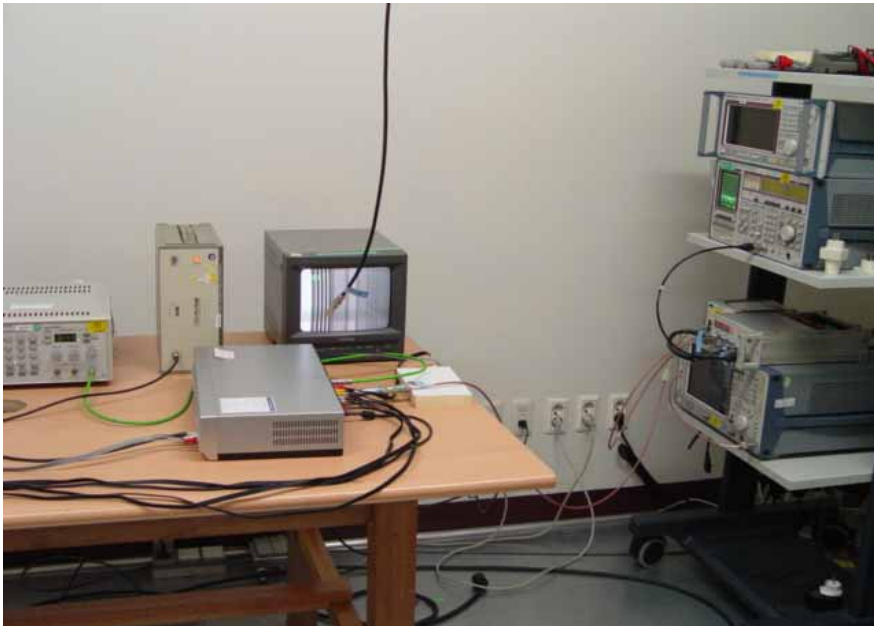
Picture 1. Conducted Emission (Front)



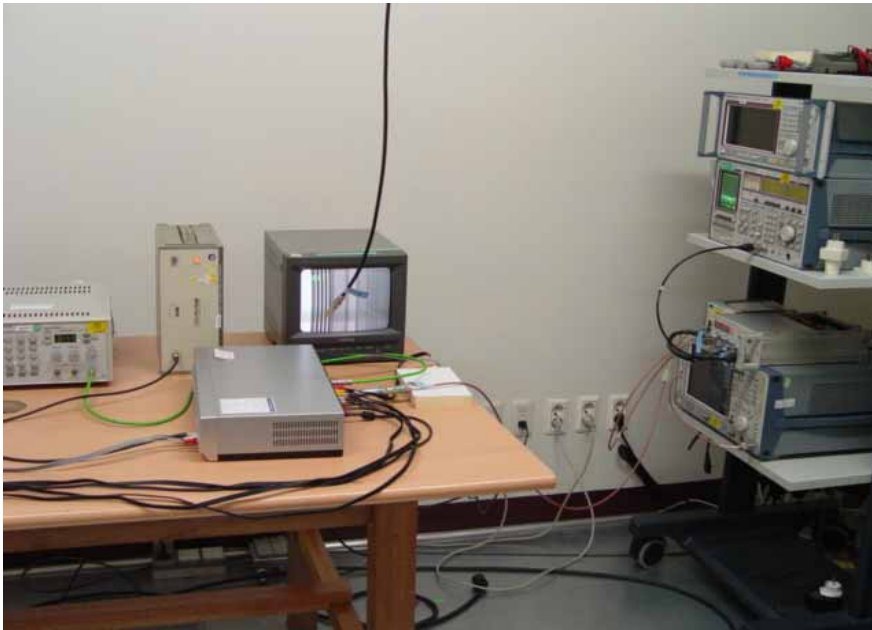
Picture 2. Radiated Emission (Front)



Picture 3. Radiated Emission (Rear)



Picture 4. Output Signal Level



Picture 5. Output Terminal Conducted Spurious Emission



Picture 6. Ant. Transfer Switch

4.2 EUT Photography



Picture 7. EUT (Front)



Picture 8. EUT (Rear)