



Certification EMI TEST REPORT

Test Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Type of equipment : DVD Player with Video Cassette Recorder
Model number : SD-V394SU
FCC ID : A7RM2I3A
Test standard : FCC Part 15 Subpart B
ICES-003 Issue No.4 Class B
Test result : Complied

Similar model :

Model No.	Brand name	Model No.	Brand name
SD-V394SC	TOSHIBA	-	-
SD-KV550SU	TOSHIBA	-	-
SD-KV550SC	TOSHIBA	-	-
-	-	-	-
-	-	-	-

1. This test report shall not be reproduced except in full or partial, without the written approval of UL Apex Co., Ltd.
2. The results in this report apply only to the sample tested.
3. This equipment is in compliance with above regulation. We hereby certify that the data contain a true representation of the EMC profile.
4. The test results in this test report are traceable to the national or international standards.
5. This test report does not constitute an endorsement by NIST/NVLAP or U.S. Government.

Date of test : October 19 to December 02, 2005

Tested by:

Tsubasa Takayama
Engineer of EMC Service

Approved by:

Hiroya Tabata
Leader of EMC Service

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Yokowa EMC Lab.

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Section 1 : Client information

Company name : Orion Electric Co., Ltd.
Address : 41-1 Iehisa-cho, Echizen-shi, Fukui-ken, 915-8555 JAPAN
Telephone number : +81 778 23 0019
Facsimile number : +81 778 23 7799
Contact person : Yoshimasa Tanikawa

Section 2 : Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of equipment : DVD Player with Video Cassette Recorder
Brand Name : TOSHIBA
Model number : SD-V394SU
FCC ID : A7RM2I3A
Rating : AC 120 V / 60 Hz
Manufacturer : 1. World Electric (Thailand) Ltd.
236 Moo 2 Nongchark, Banbung, Chonburi 20170, Thailand
2. Korat Denki Ltd.
149 Moo 10 Tambol Chokchai, Amphur Chokchai, Nakhonratchasima
30190, Thailand
228 Moo 3 Tambol Nongbuasala, Amphur Muang, Nakhonratchasima
30000, Thailand
3. Orion America, Inc.
Hwy 41 North, Orion Place, Princeton, Indiana 47670, U.S.A
Receipt Date of Sample : October 20, 2005
Condition of EUT : Production Prototype
(Not for Sale: This sample is equivalent to mass-produced items.)

2.2 Product description

Model: SD-V394SU (referred to as the EUT in this report) is a DVD Player with Video Cassette Recorder.
The EUT specifications is as follows.

Tuner type : Quartz PLL frequency synthesized
I / F : 45.75 MHz (Picture), 41.25 MHz (Sound)
Receiving channel : VHF 2 – 13 ch / UHF 14 – 69 ch / CATV 1 – 125 ch
Antenna input : 75 ohm
Video signal : NTSC color
Power source : AC 120 V / 60 Hz, 18W
I / O terminal (Video) : RCA in 1Vp-p 75 ohm, RCA out 1 Vp-p 75 ohm
I / O terminal (Audio) : RCA in –8 dB 47 k ohm, RCA out –8 dB 1 k ohm

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Section 3 : Test specification, procedures and results

3.1 Test specification

Test specification: FCC Part 15 Subpart B
Title : FCC 47 CFR Part 15 Radio Frequency Device
Subpart B Unintentional Radiators

Test Specification : ICES-003 Issue No. 4
Title : Spectrum Management
Interference-Causing Equipment Standard
Digital Apparatus
*ICES-003 (Issue No. 4) is based on FCC Part 15.

3.2 Procedures & results

Item	Test procedure	Limits	Worst margin	Result
Conducted emission	ANSI C63.4:2003	CISPR 22	17.9 dB (0.15 MHz, N, DVD Play+Rec.)	Complied
Radiated emission	ANSI C63.4:2003 IEEE 187:1990	30–88 MHz: 100 uV/m 88–216 MHz: 150 uV/m 216–960 MHz: 200 uV/m above 960 MHz: 500 uV/m	3.2 dB (945.08 MHz, Horizontal, VCR Playback)	Complied
Antenna terminal voltage	ANSI C63.4:2003	2 nW (at 75 ohm)	26.3 dB (621.7106 MHz, 3625.67 MHz, CATV tuning)	Complied
RF output level	ANSI C63.4:2003	Video signal: 3000 uV Aural signal: 671 uV	5.3 dB (3ch, 61.25 MHz, AV Input 1+ Rec.5Vp-p)	Complied
Spurious emission		94.8 uV	20.3 dB (809.73 MHz, 3ch, TV Reception + Rec. 0.25dBmV)	Complied
Transfer switch	ANSI C63.4:2003	9.5 dB	6.2 dB (67.25 MHz, 4ch, AV Input2+Rec.1Vp-p)	Complied
Picture sensitivity	ANSI C63.4:2003	8 dB	3.8 dB	Complied
Noise figure	FCC/OET MP:2:1986	14 dB	5.4 dB (16ch, 133.25 MHz)	Complied

For ICES-003, only the tests, which relate to the digital device of conducted emission and radiated emission, were performed.

3.3 Additions or deviations to standard

No addition, deviation or exclusion has been made from standards.

3.4 Confirmation

UL Apex Co., Ltd. hereby confirms that E.U.T., in the configuration tests, complies with the specifications FCC Part15 Subpart B and ICES-003 Issue No. 4.

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3.5 Uncertainty

Conducted emission (150 kHz – 30 MHz)

The measurement uncertainty (with a 95% confidence level) for this test was ± 2.8 dB.

The data listed in this test report has enough margin, more than site margin.

Radiated emission

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is ± 4.5 dB.

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is ± 4.2 dB.

The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is ± 5.6 dB.

The data listed in this test report meets the limits unless the uncertainty is taken into consideration.

Antenna terminal voltage

The measurement uncertainty (with a 95% confidence level) for this test was ± 2.3 dB.

The data listed in this test report has enough margin, more than site margin.

RF output level test / spurious emission test

The measurement uncertainty (with a 95% confidence level) for this test was ± 3.5 dB.

The data listed in this test report has enough margin, more than site margin.

Antenna transfer switch

The measurement uncertainty (with a 95% confidence level) for this test was ± 3.5 dB.

The data listed in this test report has enough margin, more than site margin.

Picture sensitivity test

The measurement uncertainty (with a 95% confidence level) for this test was ± 1.0 dB.

The data listed in this test report has enough margin, more than site margin.

Noise Figure Test

The measurement uncertainty (with a 95% confidence level) for this test was ± 1.2 dB.

The data listed in this test report has enough margin, more than site margin.

3.6 Test location

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Test room	Width x Depth x Height (m)	Test room	Width x Depth x Height (m)
No.1 shielded room	5.5 x 6.4 x 2.7	No.7 shielded room	9.3 x 3.4 x 2.7
No.2 shielded room	4.5 x 3.6 x 2.7	No.1 EMS lab. (Full-anechoic chamber)	5.0 x 8.0 x 3.5
No.3 shielded room	3.6 x 7.2 x 2.4	No.2 EMS lab. (Full-anechoic chamber)	4.0 x 7.0 x 3.5
No.4 shielded room	5.5 x 5.0 x 2.4		
No.5 shielded room	5.5 x 4.3 x 2.5		
No.6 shielded room	5.2 x 3.2 x 2.9		

*NVLAP Lab. code : 200109-0

No.1 and No.3 sites have been fully described in a report submitted to FCC office, and listed on September 25, 2003.
(Registration number: 90412)

No.2 site has been fully described in a report submitted to FCC office, and listed on August 29, 2003.
(Registration number: 90411)

3.7 Test setup, Data of EMI & Test instruments

Please refer to Appendix 1 to 3.

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Section 4 : Operation of E.U.T. during tests

4.1 Operating modes

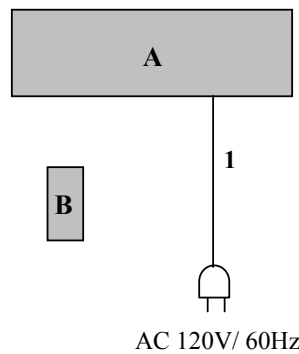
The EUT exercise program used during testing was designed exercise the various system components in a manner similar to typical use.

The sequence in used :
* TV Reception + Rec. mode (0 dBmV input / 25 dBmV input)
* AV Input 1 + Rec. mode (1Vp-p / 5Vp-p)
* AV Input 2 + Rec. mode (1Vp-p / 5Vp-p)
* VCR Play mode
* DVD Play mode + Rec.

Operation : The EUT was tested at above operation mode.

Justification : The system was configured in typical fashion (as a customer would normally use it) for testing.

4.2 Configuration and peripherals



* Cabling was taken into consideration and test data was taken under worse case conditions.

Description of EUT and support equipment

Sign	Item	Model number	Serial number	Manufacturer	FCC ID	Remark
A	DVD Player with Video Cassette Recorder	SD-V394SU	—	Orion Electric Co., Ltd.	A7RM2I3A	EUT
B	Remote Controller	—	—	Orion Electric Co., Ltd.	-	EUT

List of cable used

No.	Item	Length (m)	Shield
1	AC Power Cable	1.6	Unshielded

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Section 5 : Conducted emission

5.1 Operation environment

The test was carried out No.1 shielded room.

Date : November 15, 2005
Temperature : See data
Humidity : See data

5.2 Test configuration

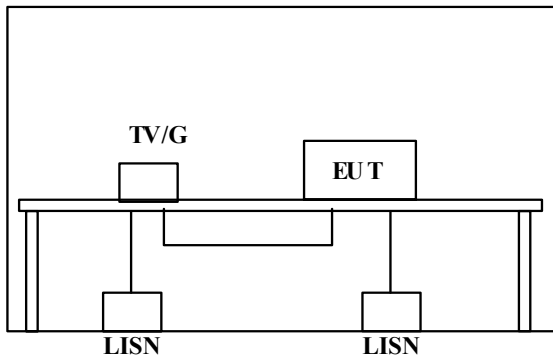
EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The rear of tabletop was located 40 cm to the vertical conducting plane. The rear of EUT was aligned and flushed with rear of tabletop. All other surfaces of tabletop was at least 80 cm from any other grounded conducting surface. I/O cables and AC cable were bundled in center. I/O cables were hanged at a 40cm height to the ground plane. Each EUT current-carrying power lead, except the ground (safety) lead, were individually connected through a LISN to the input power source. All unused 50 ohm connectors of the LISN were resistively terminated in 50 ohm when not connected to the measuring equipment.

A drawing of the set up is shown in figure 1 and photographs in Appendix 1.

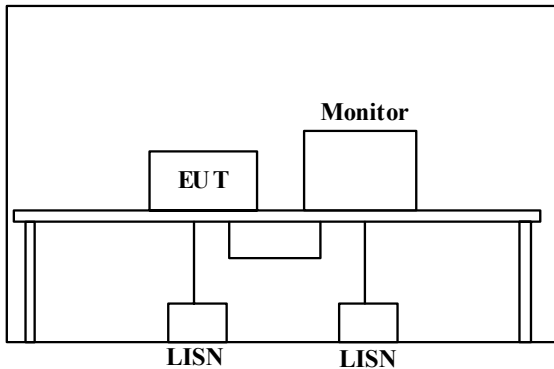
Figure 1. Conducted emission

**TV Reception + Rec. mode (0 dBmV input / 25 dBmV input), AV Input 1+ Rec. mode (1Vp-p / 5Vp-p)
AV Input 2+ Rec. mode (1Vp-p / 5Vp-p)**

Shielded room



RF in: TV signal generator connected
Rear Video out: 75 ohm terminated with video cable
Rear Audio out: 1 k ohm terminated with audio cable
S-Video out: 75 ohm terminated with S-Video cable
RF output: 75 ohm terminated with RF output cable
Coaxial out: 75 ohm terminated with coaxial cable
Component out: 75 ohm terminated with component cable
Front Video In: 75 ohm terminated
Front Audio In: 47 k ohm terminated
Rear Video In: 75 ohm terminated
Rear Audio In: 47 k ohm terminated

VCR Play mode / DVD Play mode**Shielded room**

RF in: 75 ohm terminated with RF input cable

Rear video out: monitor connected

Rear audio out: monitor connected

S-Video out: 75 ohm terminated with S-Video cable

RF output: 75 ohm terminated with RF output cable

Coaxial out: 75 ohm terminated with coaxial cable

Component out: 75 ohm terminated with component cable
Front Video In: 75 ohm terminated with front video in cableFront Audio In: 47 ohm terminated with front audio cable
Rear Video In: 75 ohm terminated with front video in cable

Rear Audio In: 47 ohm terminated with front audio cable

5.3 Test conditions

Frequency range : 0.15 MHz – 30 MHz

EUT position : Table top

EUT operation mode : TV Reception + Rec., AV Input 1+ Rec., AV Input 2 + Rec., VCR Play, DVD Play

5.4 Test procedure

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT within a shielded room. The EUT was connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection has been performed. The measurements have been performed with a quasi-peak detector and if required, with an average detector.

The conducted emission measurements were made with the following detector function of the test receiver.

Detector Type : QP

IF Bandwidth : 10 kHz

5.5 Test result**Passed**

Please refer to summary of the test results in Appendix 2.

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Section 6 : Radiated emission

6.1 Operation environment

The test was carried out in No.3 open site.

Date : October 19, November 14 ,15 and December 2, 2005

Temperature : See data

Humidity : See data

6.2 Test configuration

EUT was placed on a platform of nominal size, 1 m by 1.5m or 1.8 m, raised 80 cm above the conducting ground plane. The rear of EUT was aligned and flushed with rear of tabletop. AC cable was bundled in center. I/O cables were hanged 40 cm height to the ground plane. 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.

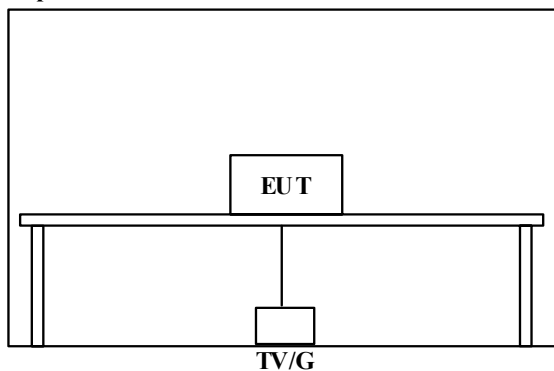
A drawing of the set up is shown in figure 2 and photographs in Appendix 1.

Figure 2. Radiated emission



**TV Reception + Rec. mode (0 dBmV input / 25 dBmV input), AV Input 1+ Rec. mode (1Vp-p / 5Vp-p),
AV Input 1+ Rec. mode (1Vp-p / 5Vp-p)**

Open test site



RF in: TV signal generator connected
Rear video out: 75 ohm terminated with video cable
Rear audio out: 1 k ohm terminated with audio cable
S-Video out: 75 ohm terminated with S-Video cable
RF output: 75 ohm terminated with RF output cable
Coaxial out: 75 ohm terminated with coaxial cable
Component out: 75 ohm terminated with component cable
Front Video In: 75 ohm terminated
Front Audio In: 47 ohm terminated

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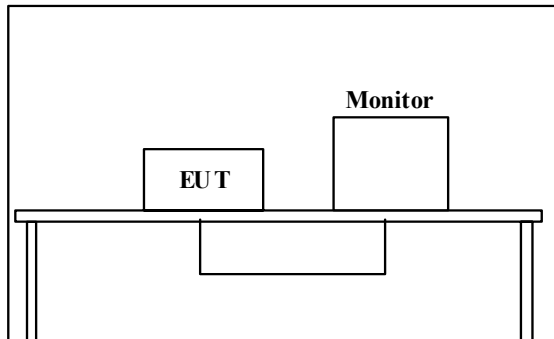
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VCR Play mode / DVD Play mode

Open test site



RF in: 75 ohm terminated with RF input cable
Rear video out: monitor connected
Rear audio out: monitor connected
S-Video out: 75 ohm terminated with S-Video cable
RF output: 75 ohm terminated with RF output cable
Coaxial out: 75 ohm terminated with coaxial cable
Component out: 75 ohm terminated with component cable
Front Video In: 75 ohm terminated with front video in cable
Front Audio In: 47 ohm terminated with front audio cable

6.3 Test conditions

Frequency range : 30 MHz – 5000 MHz
Test distance : 3 m
EUT position : Table top
EUT operation mode : TV Reception + Rec., AV Input 1+ Rec., AV Input 1+ Rec., VCR Play, DVD Play

6.4 Test procedure

The Radiated Electric Field Strength intensity has been measured on an open test site with a ground plane and at a distance of 3 m.

Pre check measurements were performed within a search coil at high level of 30MHz – 1000MHz to distinguish disturbances of EUT from the ambient noise. The measuring antenna height was varied between 1 and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity. The measurements were performed for both vertical and horizontal antenna polarization.

The radiated emission measurements were made with the following detector function of the test receiver and spectrum analyzer.

	<u>30-1000 MHz (Test receiver)</u>	<u>1000-5000 MHz (Spectrum analyzer)</u>
Detector Type	: QP	: PK : AV
IF Bandwidth	: 120kHz	: RBW 1MHz / VBW 1MHz : RBW 1MHz/ VBW 10Hz

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

6.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

Test engineer: Tsubasa Takayama

Section 7 : Antenna terminal voltage

7.1 Operation environment

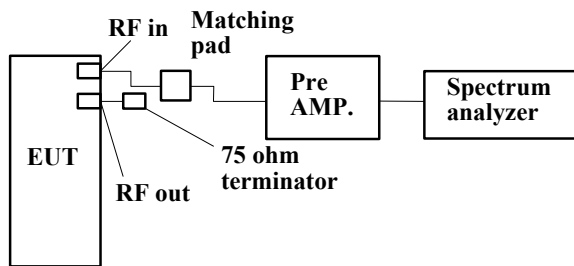
The test was carried out in No.7 shielded room.

Date : October 20, 2005
Temperature : See data
Humidity : See data

7.2 Test configuration

The EUT was placed on a non-metallic platform 0.8 m above a reference ground plane.
A drawing of the set up is shown in figure 3 and photographs in Appendix 1.

Figure 3. Antenna terminal voltage



7.3 Test conditions

Frequency range : 30 MHz – 5000 MHz
EUT position : Table top
EUT operation mode : Tuning (TV tuning / CATV tuning)

7.4 Test procedure

Connect EUT and spectrum analyzer through pre-amplifier. Set EUT to CH investigation mode then measure the voltage of local leakage from antenna terminal. Spectrum analyzer should be hold in maximum mode during the measurement.

Detector Type : Peak (30-5000 MHz)

At frequency between 2000 MHz and 5000 MHz, 75/50ohm conversion loss of impedance is used in speculation.

7.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

Test engineer: Tsubasa Takayama

Section 8 : RF output level / spurious emission

8.1 Operation environment

The test was carried out in No.7 shielded room.

Date : October 20 and 21, 2005

Temperature : See data

Humidity : See data

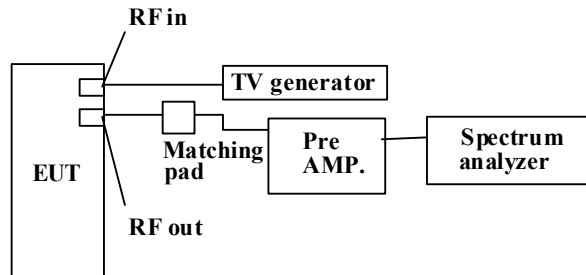
8.2 Test configuration

The EUT was placed on a non-metallic platform 0.8 m above a reference ground plane.

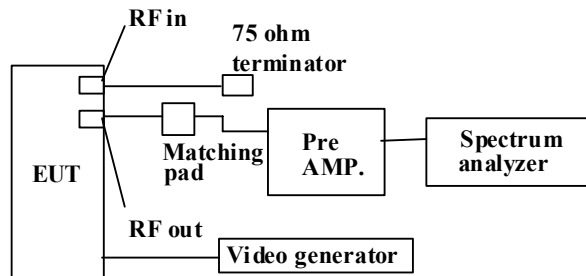
A drawing of the set up is shown in figure 4 and photographs in Appendix 1.

Figure 4. RF output level

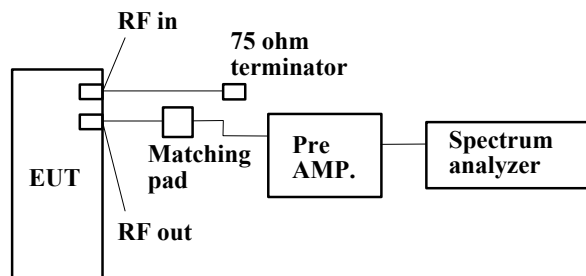
TV Reception + Rec. mode (0dBmV / 25dBmV)



AV Input 1+ Rec. and AV Input 1+ Rec. mode (1 Vp-p input / 5 Vp-p input)



VCR Play mode and DVD Play mode



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8.3 Test conditions

EUT position : Table top
EUT operation mode : TV Reception + Rec., AV Input 1+ Rec., AV Input 2+ Rec., VCR Play, DVD Play

8.4 Test procedure

EUT was connected spectrum analyzer through matching pad by accessory cable. RF channel selected 3ch or 4ch. Picture carrier, sound carrier and spurious levels are measured. Both sound carrier levels (upper and lower side bands) of modulator output are measured.

Detector Type : Peak

8.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

Test engineer: Tsubasa Takayama

Section 9 : Antenna transfer switch

9.1 Operation environment

The test was carried out in No.7 shielded room.

Date : October 20, 2005

Temperature : See data

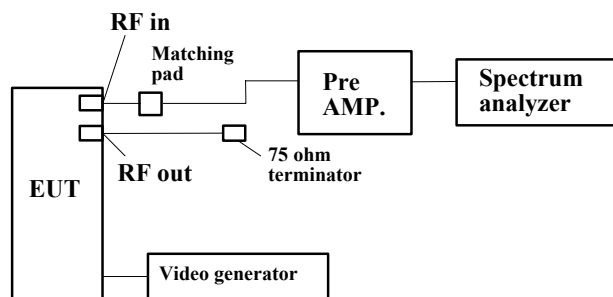
Humidity : See data

9.2 Test configuration

The EUT was placed on a non-metallic platform 0.8 m above a reference ground plane.

A drawing of the set up is shown in figure 5 and photographs in Appendix 1.

Figure 5. Transfer switch



9.3 Test conditions

EUT position : Table top

EUT operation mode : AV Input 1+ Rec., AV Input 2+ Rec., VCR Play, DVD Play

9.4 Test procedure

EUT was connected spectrum analyzer through matching pad by accessory cable. RF channel selected 3ch or 4ch. Interference signals were measured from RF input terminal.

Detector Type : Peak

9.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

Test engineer: Tsubasa Takayama

Section 10 : Picture sensitivity

10.1 Operation environment

The test was carried out in No.7 shielded room.

Date : October 20, 2005

Temperature : See data

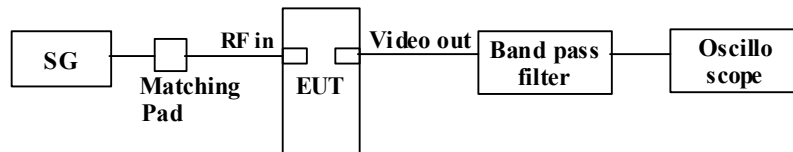
Humidity : See data

10.2 Test configuration

The EUT was placed on a non-metallic platform 0.8 m above a reference ground plane.

A drawing of the set up is shown in figure 6 and photographs in Appendix 1.

Figure 6. Picture sensitivity



10.3 Test conditions

EUT position : Table top

EUT operation mode : TV Reception

10.4 Test procedure

Signal generator setup is as follows, (Example: 2ch – 55.25 MHz, AM, 1 kHz, 30 %)

The EUT was tuned to appropriate channel.

Output level of signal generator was adjusted to near the frequency output level of EUT output.

EUT output level was adjusted to maximum output level by frequency adjustment of signal generator.

Signal generator output level was adjusted to reference output level of EUT and output level had read.

10.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

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Section 11 : Noise figure

11.1 Operating environment

The test was carried out in No.7 shielded room.

Date : October 20, 2005

Temperature : See data

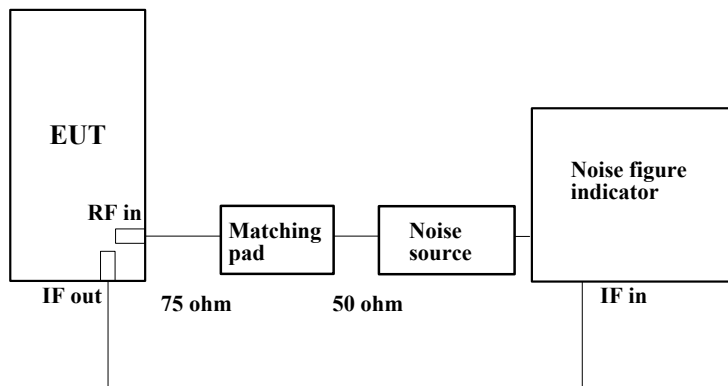
Humidity : See data

11.2 Test configuration

The EUT was placed on a non-metallic table.

A drawing of the set up is shown in figure 7 and photographs in Appendix 1.

Figure 7. Noise figure



11.3 Test condition

EUT position : Table top

EUT operation mode : TV Reception

11.4 Test procedure

This test should be performed in a shielded room or an low noise environment. Connect solid state noise source to antenna input terminal of EUT. Connect IF output terminal of EUT to noise meter. Measurement has been performed for VHF,UHF, Mid-band and Super-band receiver range.

11.5 Test result

Passed

Please refer to summary of the test results in Appendix 2.

Test engineer: Tsubasa Takayama

Appendix 1 : Photographs of test set up

Page 18 :	Test set up of conducted emission
Page 19 :	Test set up of radiated emission
Page 20 :	Test set up of antenna terminal voltage
Page 21 :	Test set up of RF output level / spurious emission
Page 22 :	Test set up of antenna transfer switch
Page 23 :	Test set up of picture sensitivity
Page 24 :	Test set up of noise figure

Appendix 2 : Data of EMI tests

Page 25 – 48:	Conducted emission
Page 49- 91:	Radiated emission
Page 92-93 :	Antenna terminal voltage
Page 94-114 :	RF output level / spurious emission
Page 115-126:	Antenna transfer switch
Page 127 :	Picture sensitivity
Page 128 :	Noise figure

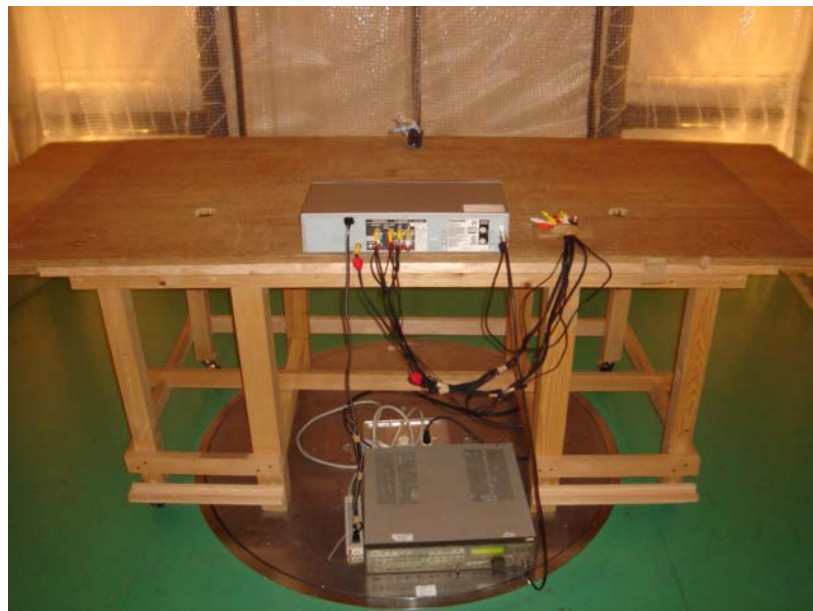
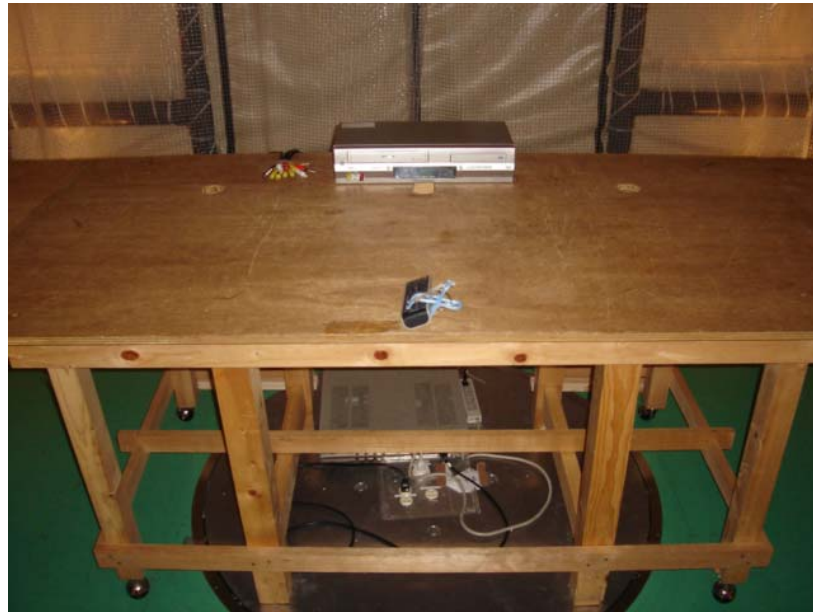
Appendix 3 : Test instruments

Page 129 :	Test instruments
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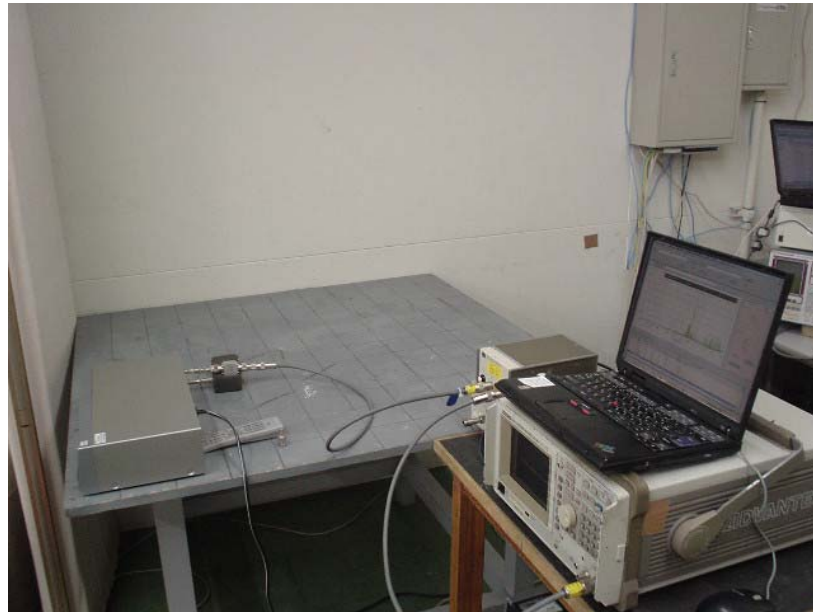
Conducted emission



Radiated emission



Antenna terminal voltage



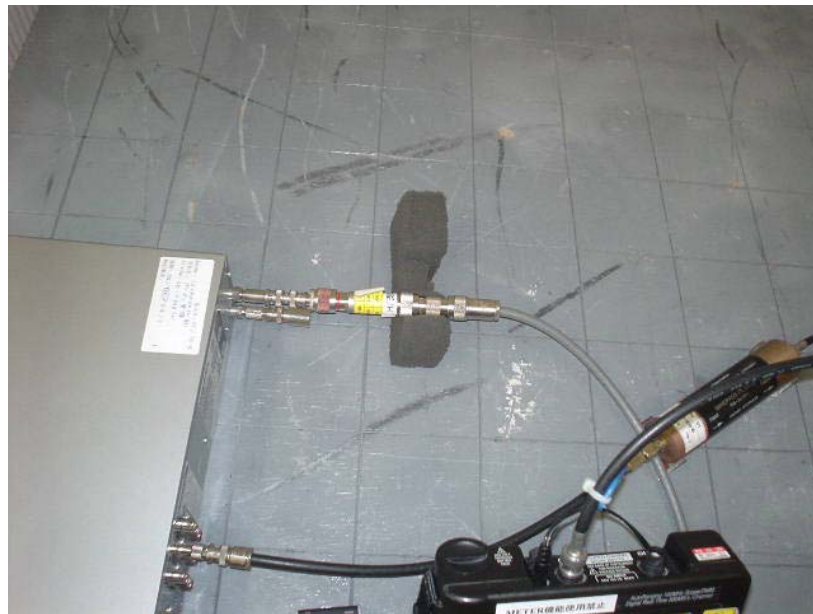
RF output level / spurious emission



Antenna transfer switch



Picture sensitivity



Noise figure



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)
Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.1500	46.9	-	46.4	-	0.2	0.2	0.0	47.3	-	66.0	56.0	18.7	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

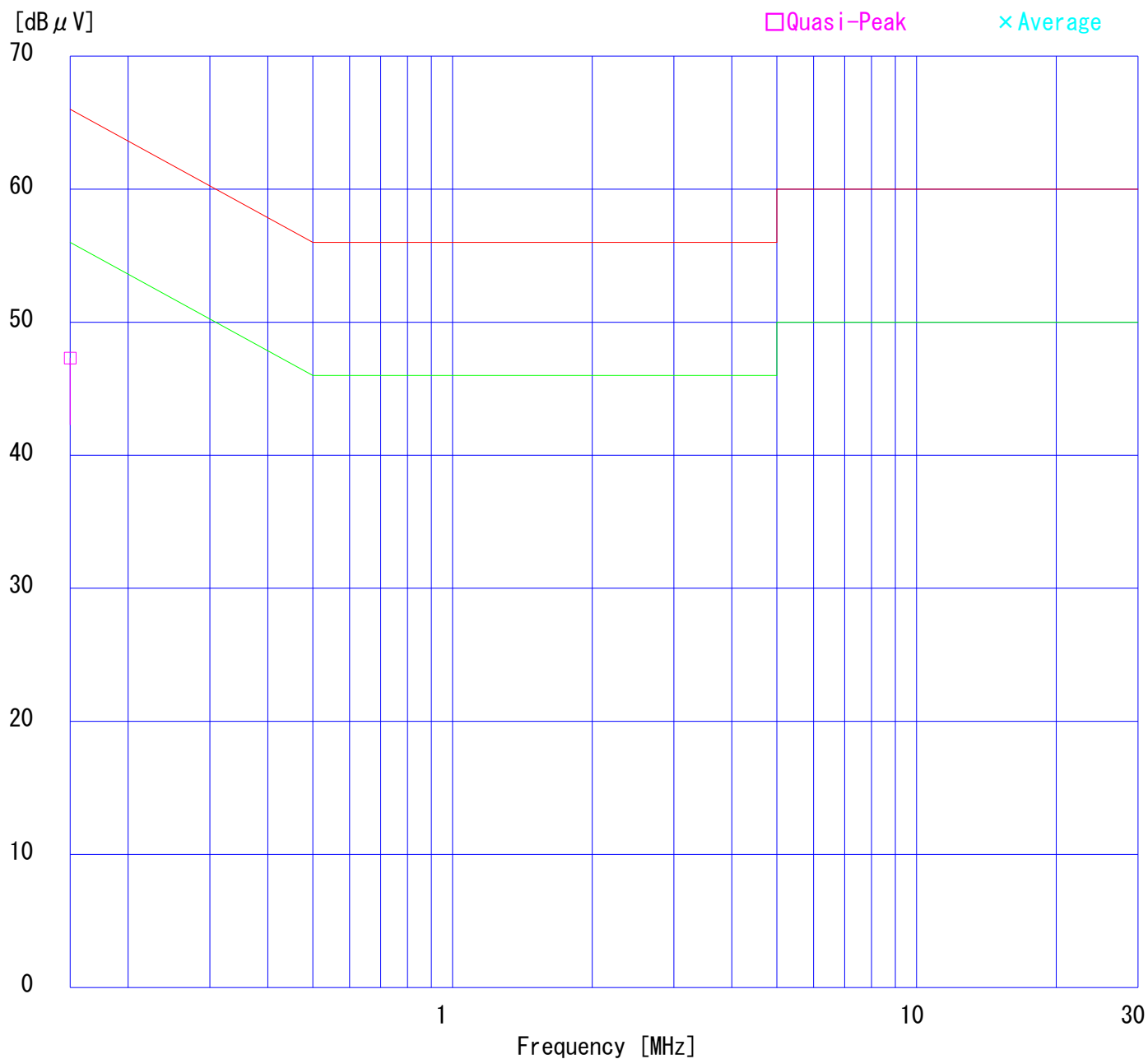
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

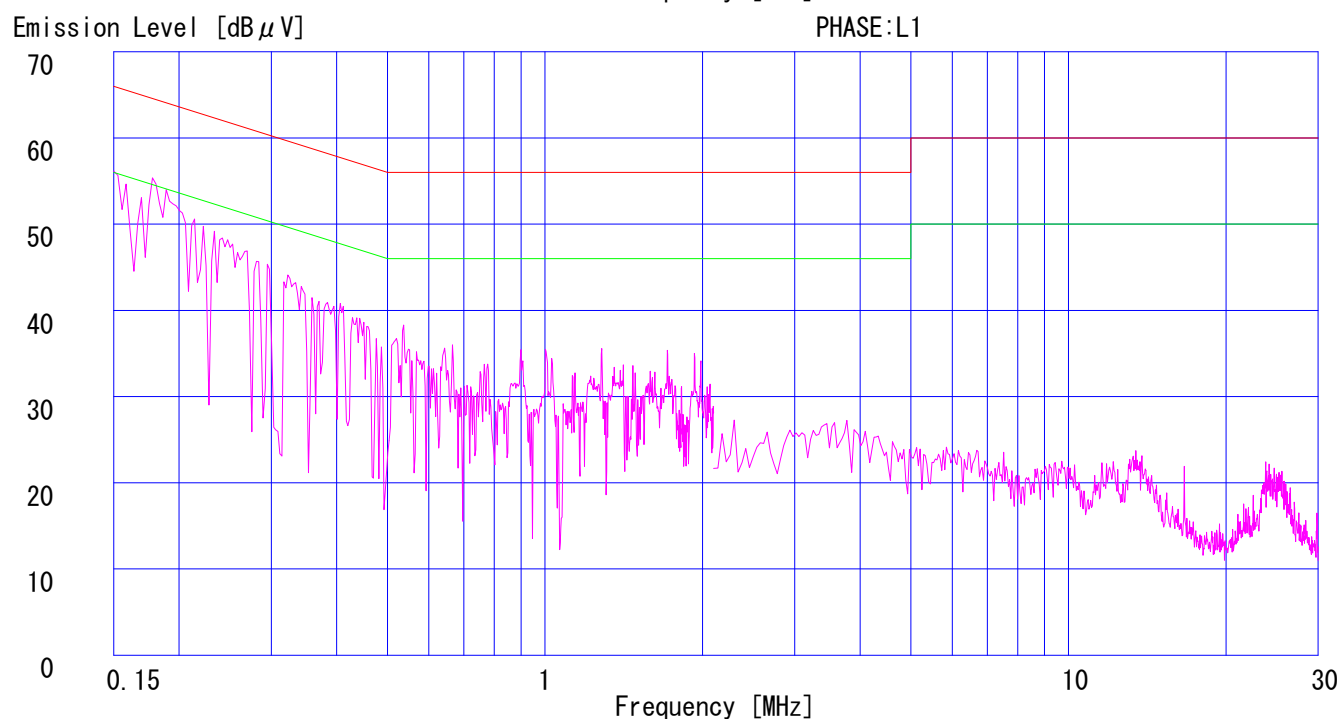
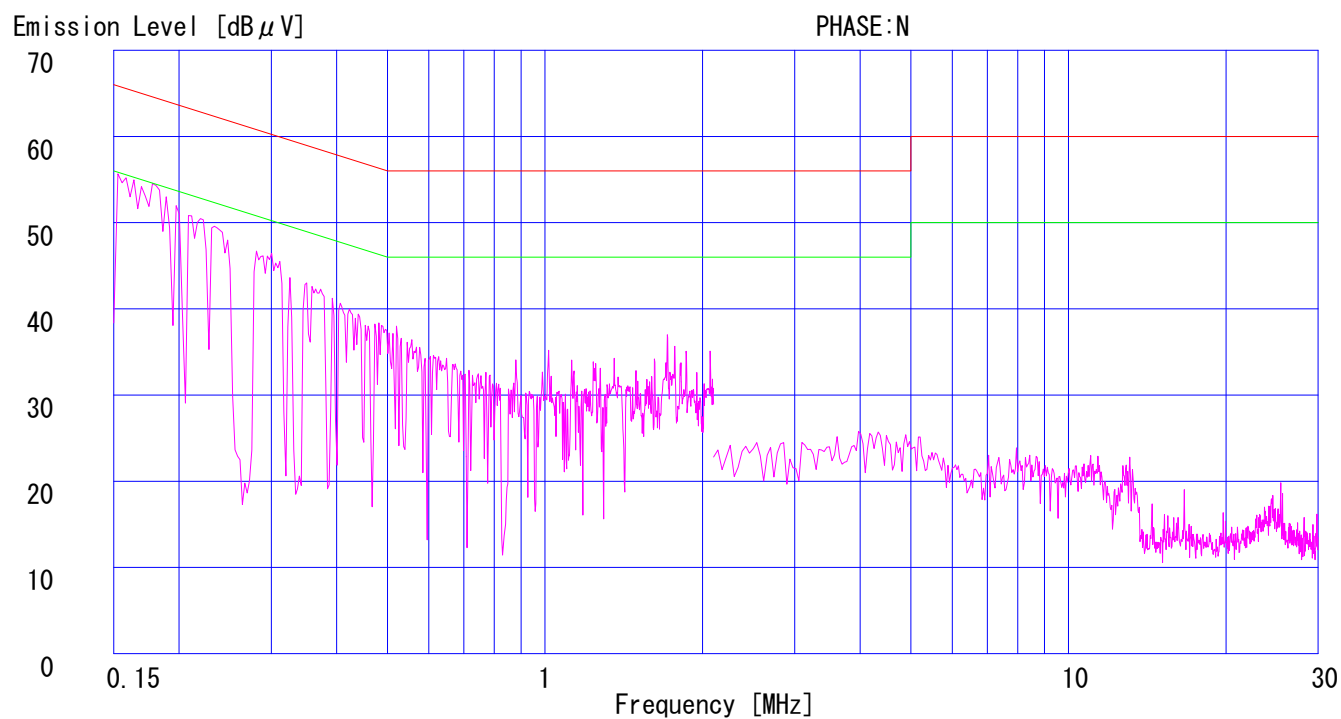
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.1500	47.1	-	46.6	-	0.2	0.2	0.0	47.5	-	66.0	56.0	18.5	-
2.	0.2016	41.1	-	40.4	-	0.2	0.2	0.0	41.5	-	63.5	53.5	22.0	-
3.	0.6587	26.4	-	30.1	-	0.2	0.3	0.0	30.6	-	56.0	46.0	25.4	-
4.	1.0045	29.6	-	30.0	-	0.2	0.3	0.0	30.5	-	56.0	46.0	25.5	-
5.	3.5777	32.6	-	31.4	-	0.3	0.3	0.0	33.2	-	56.0	46.0	22.8	-
6.	24.5770	27.1	-	24.9	-	0.7	0.6	0.0	28.4	-	60.0	50.0	31.6	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

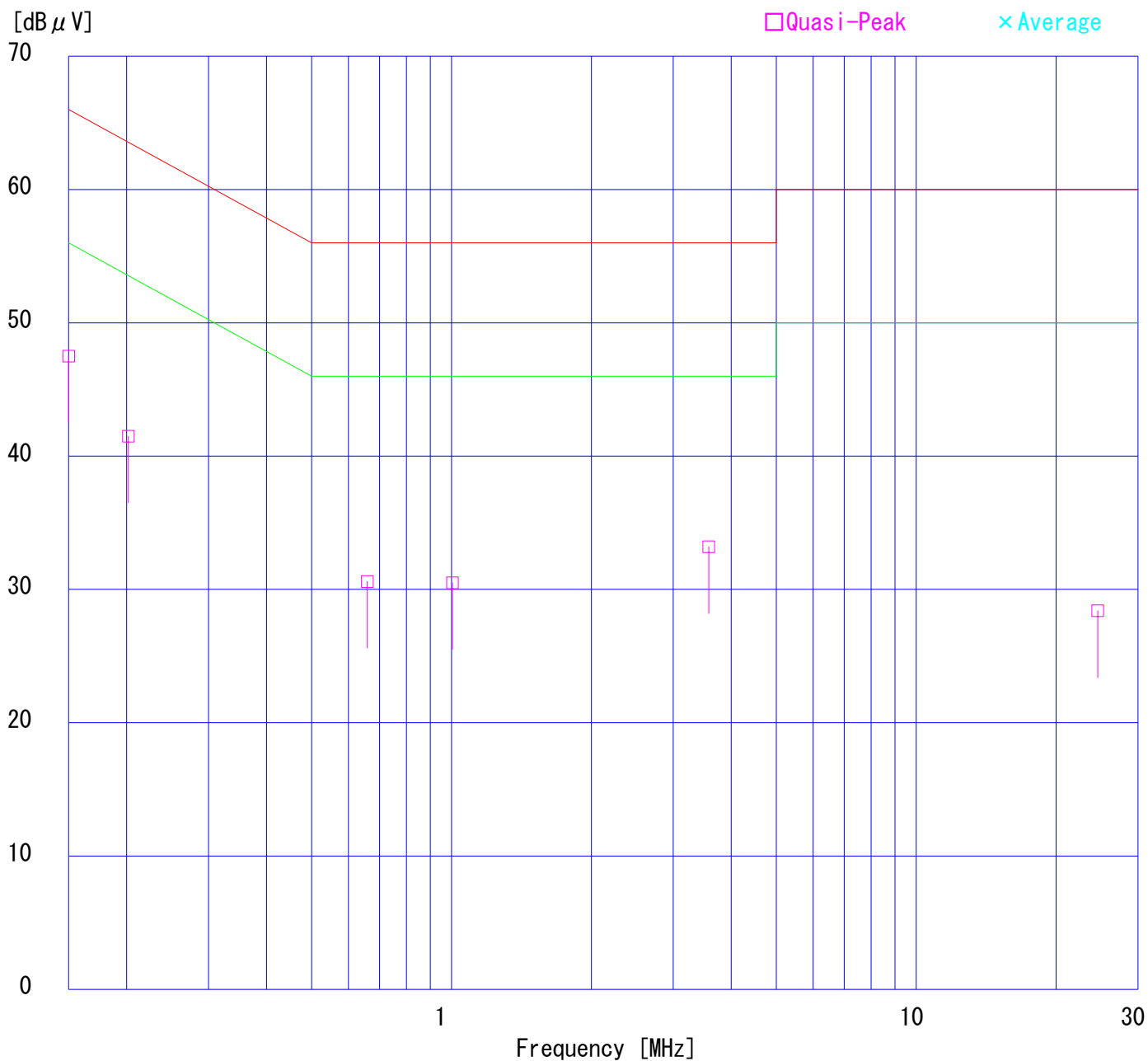
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

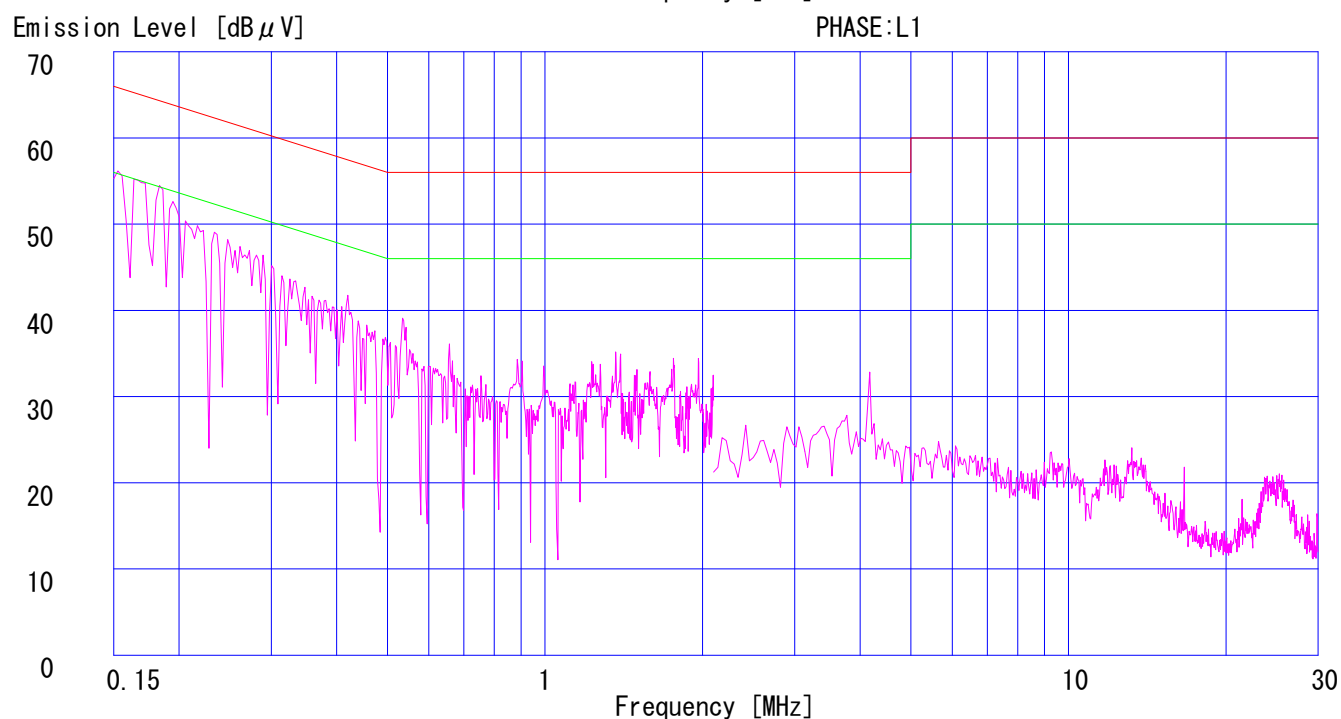
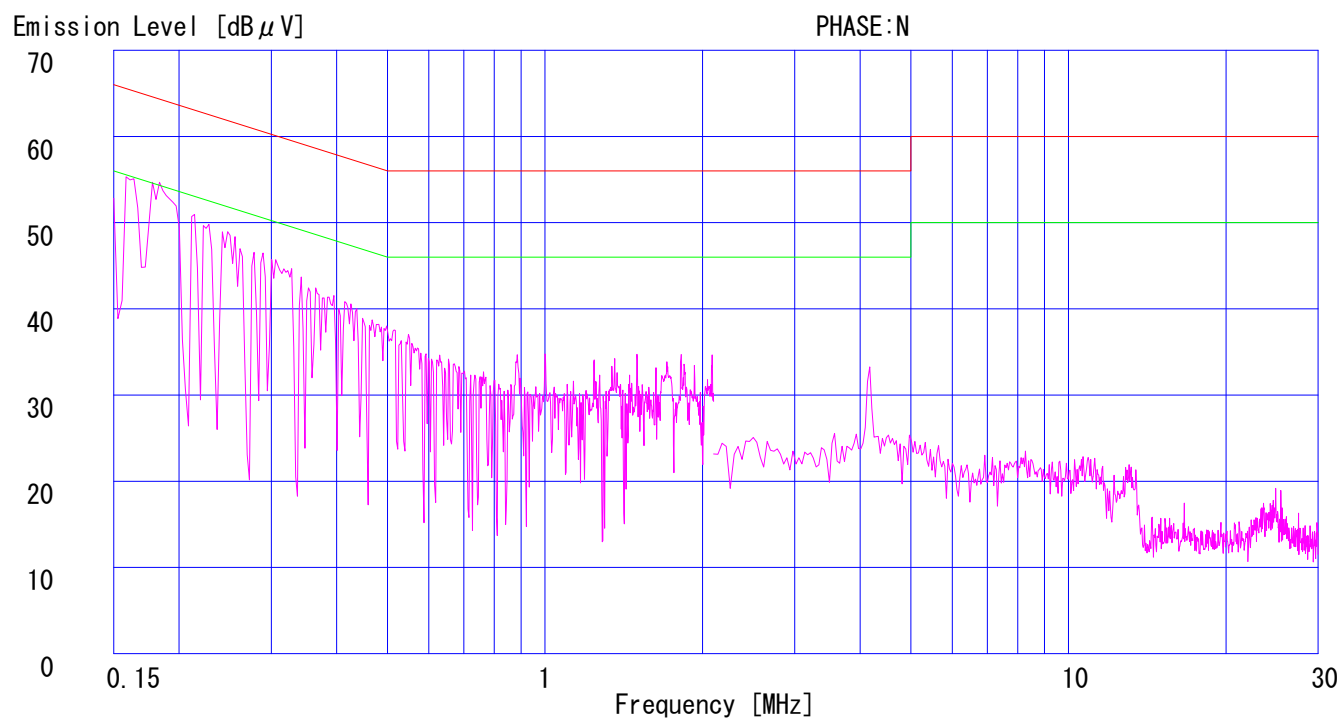
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.1500	47.1	-	46.7	-	0.2	0.2	0.0	47.5	-	66.0	56.0	18.5	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

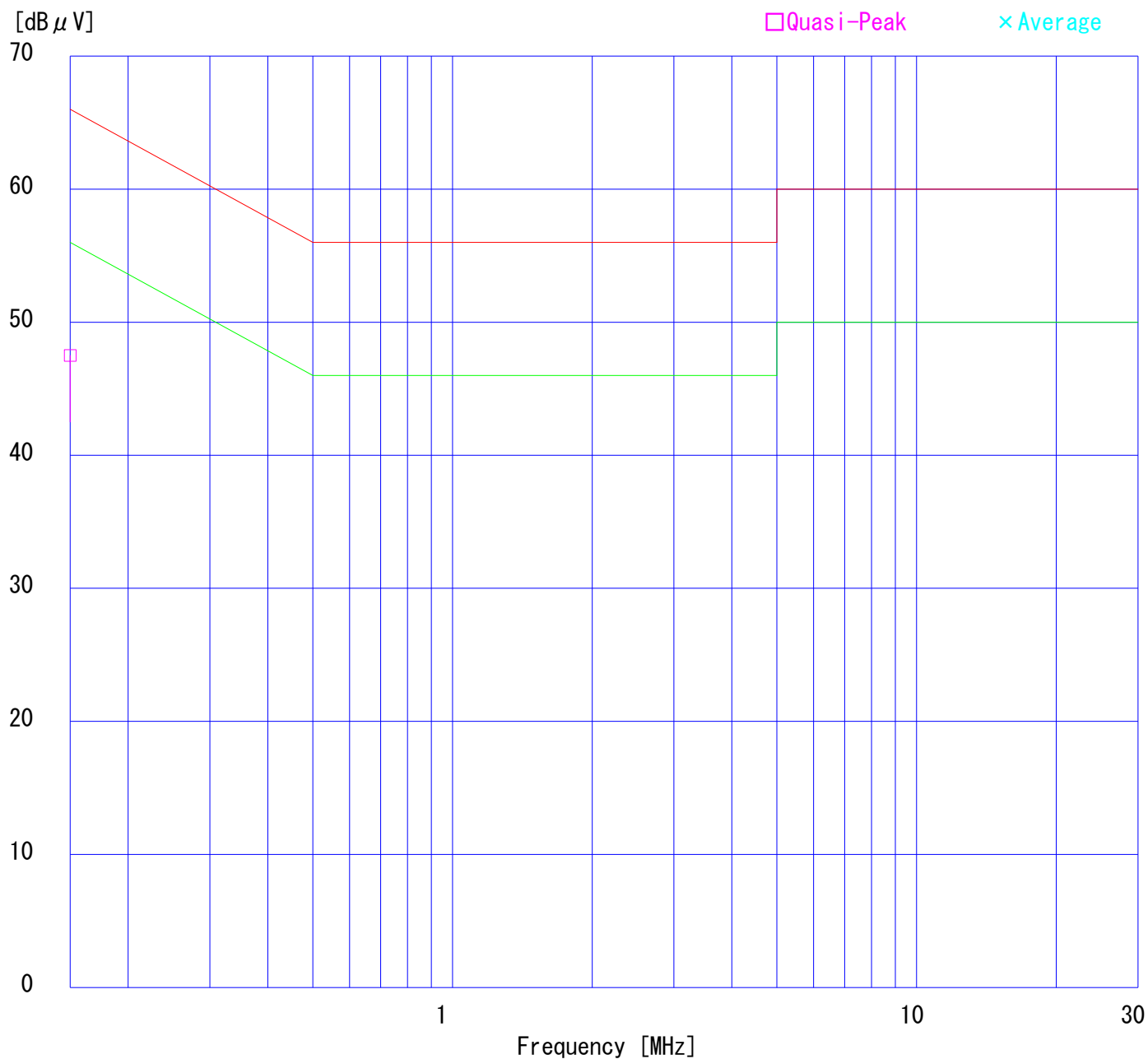
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DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

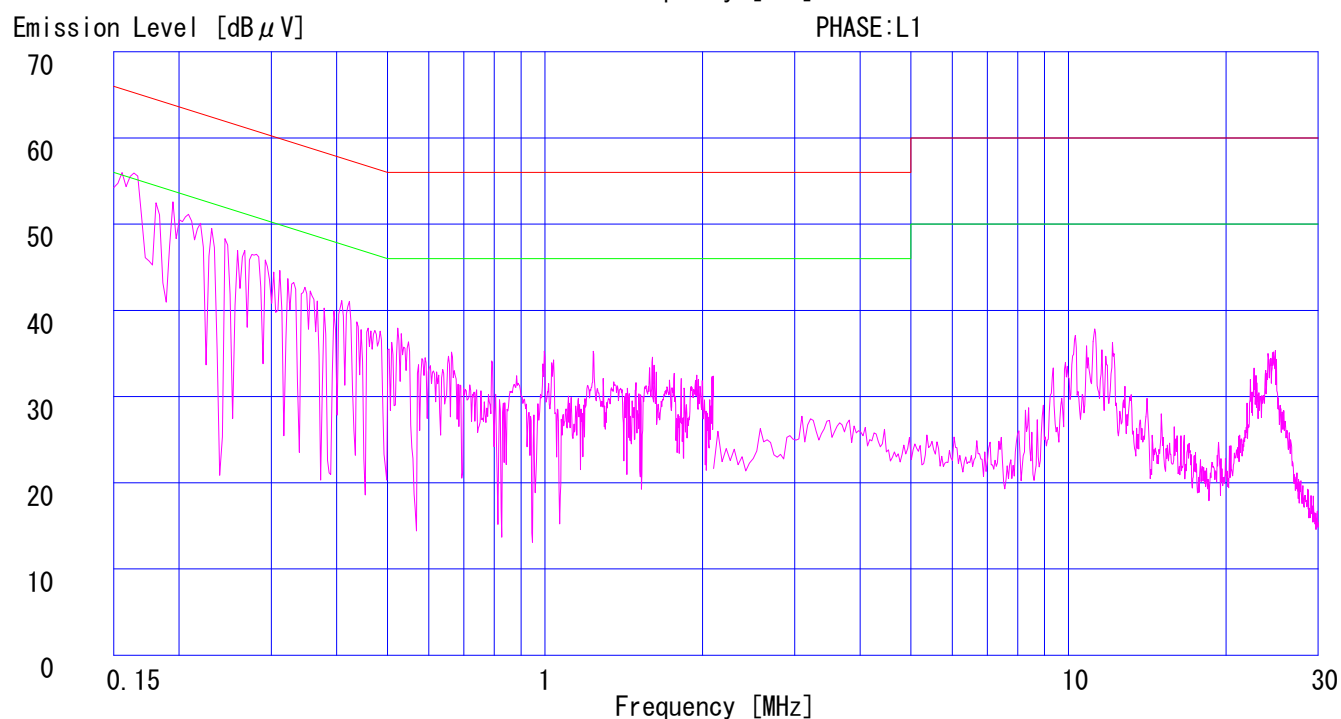
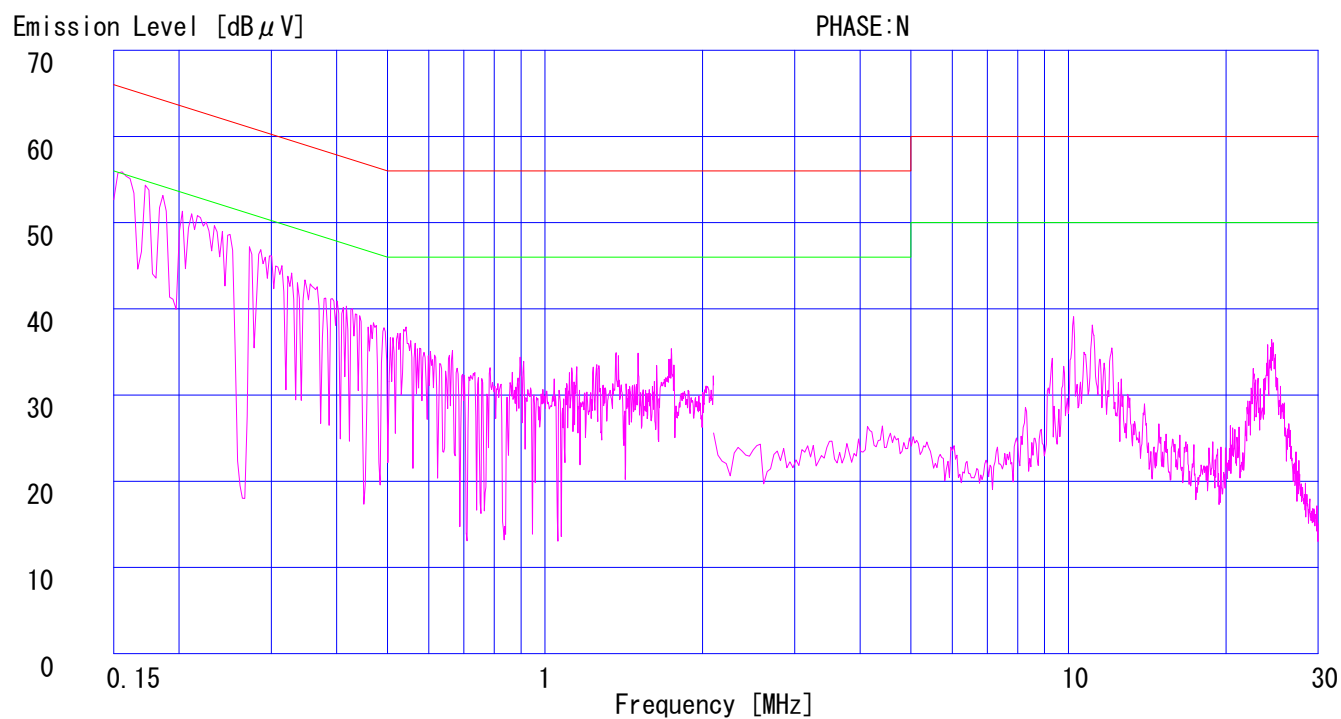
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.1500	47.2	-	46.7	-	0.2	0.2	0.0	47.6	-	66.0	56.0	18.4	-
2.	0.6626	25.6	-	29.2	-	0.2	0.3	0.0	29.7	-	56.0	46.0	26.3	-
3.	1.0013	28.5	-	29.1	-	0.2	0.3	0.0	29.6	-	56.0	46.0	26.4	-
4.	3.5787	21.5	-	31.4	-	0.3	0.3	0.0	32.0	-	56.0	46.0	24.0	-
5.	8.1370	30.5	-	30.3	-	0.4	0.4	0.0	31.3	-	60.0	50.0	28.7	-
6.	17.6532	29.6	-	29.2	-	0.5	0.5	0.0	30.6	-	60.0	50.0	29.4	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

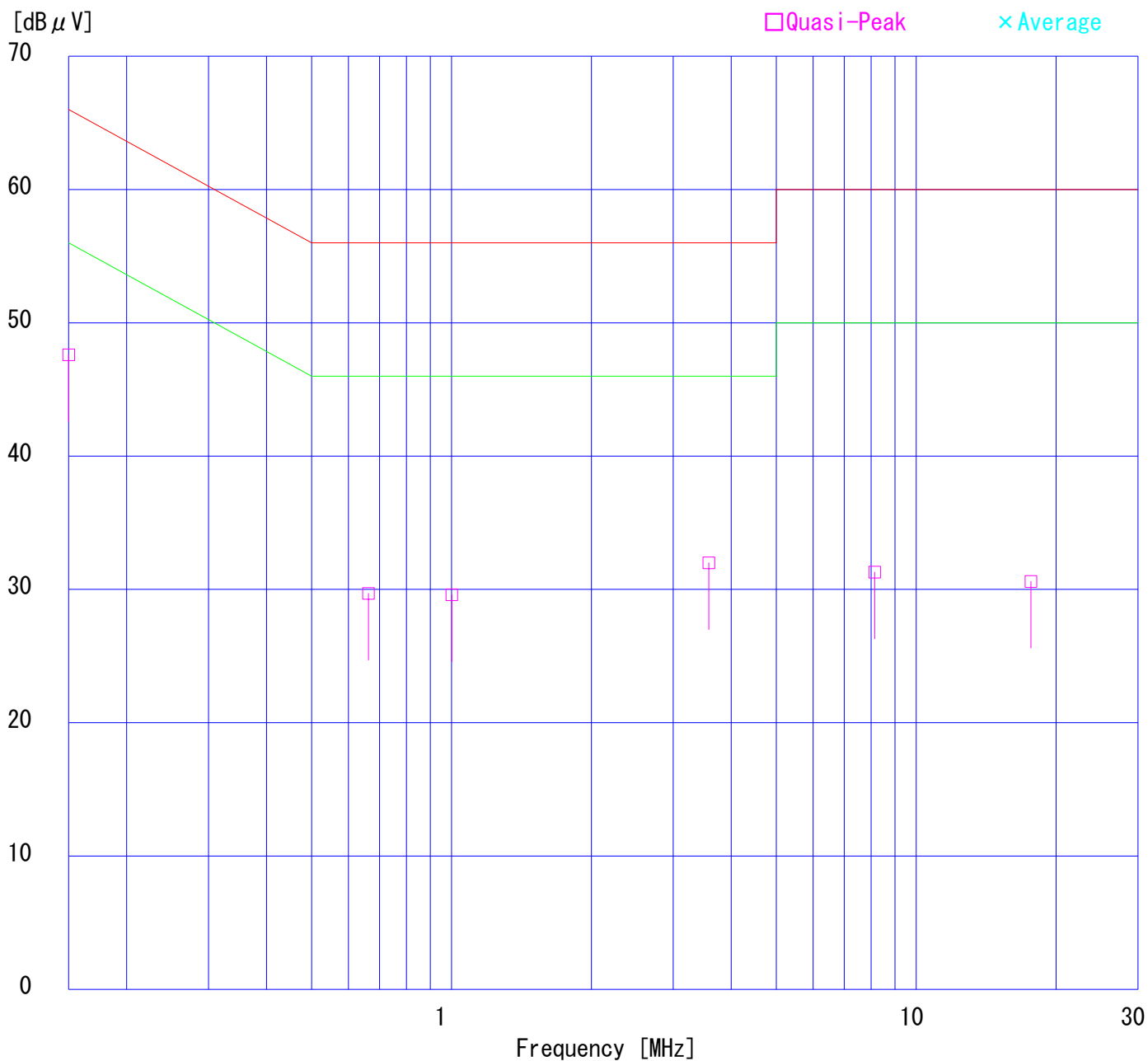
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

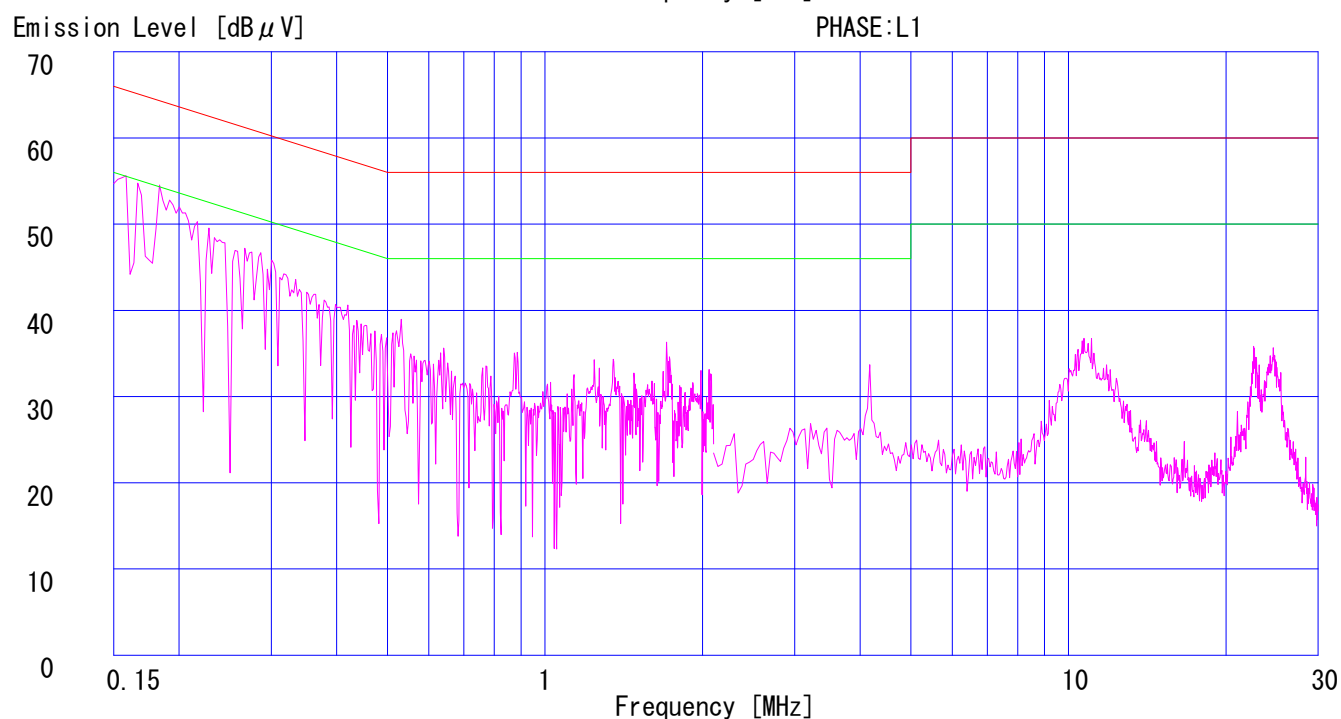
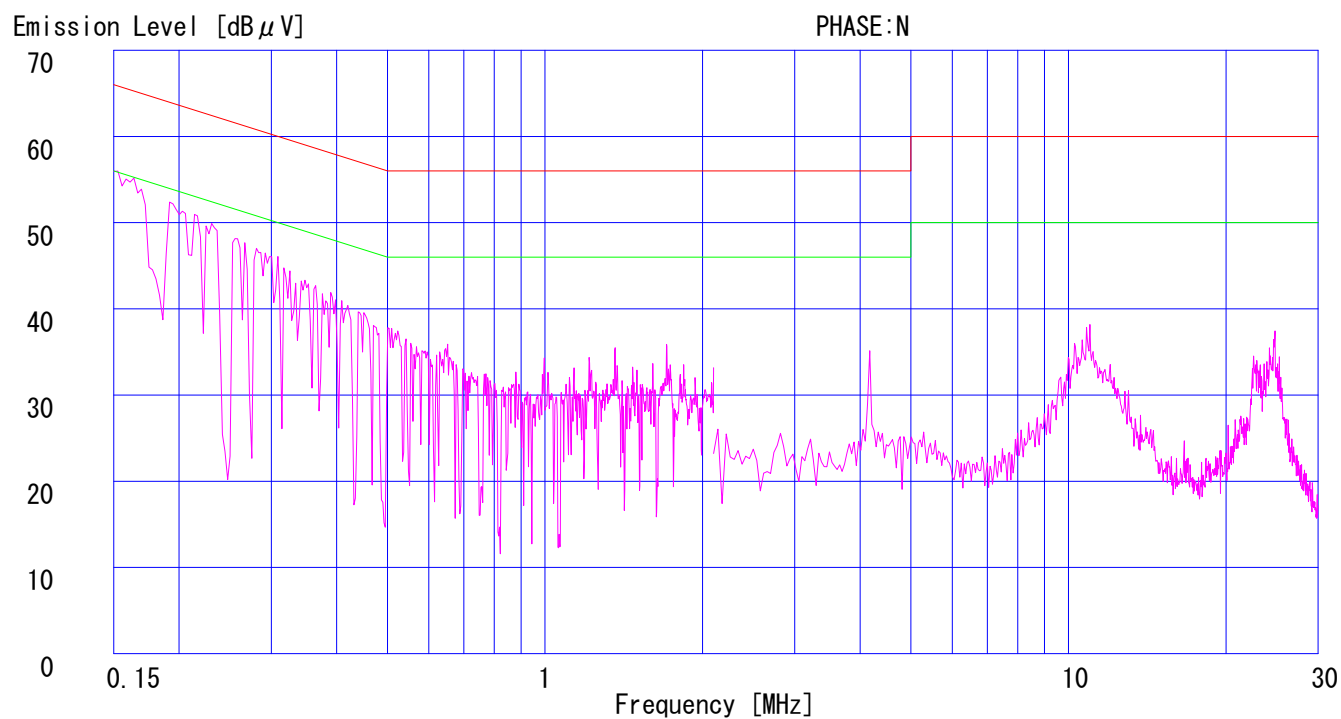
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)
Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.1500	47.1	-	46.6	-	0.2	0.2	0.0	47.5	-	66.0	56.0	18.5	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

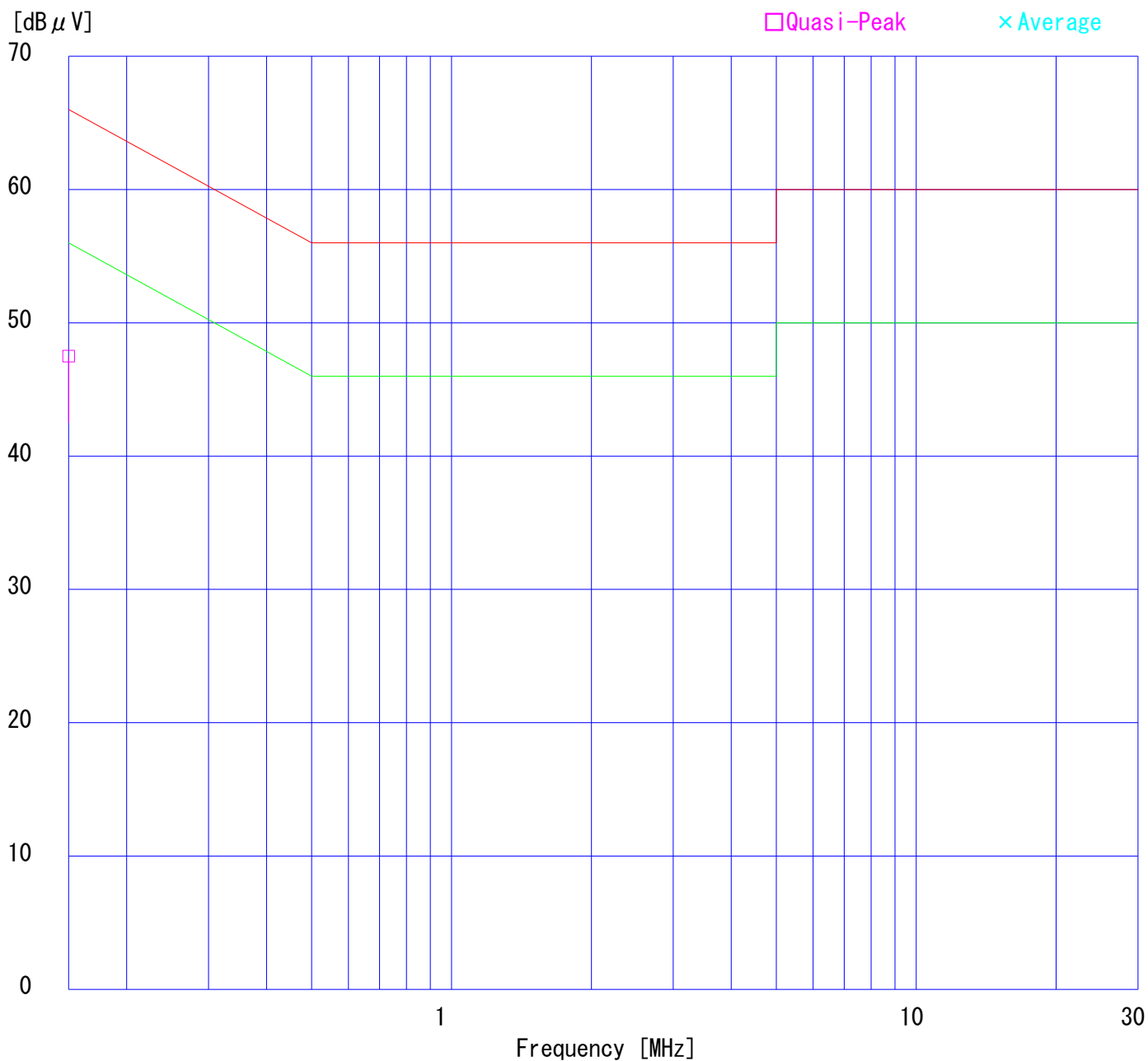
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

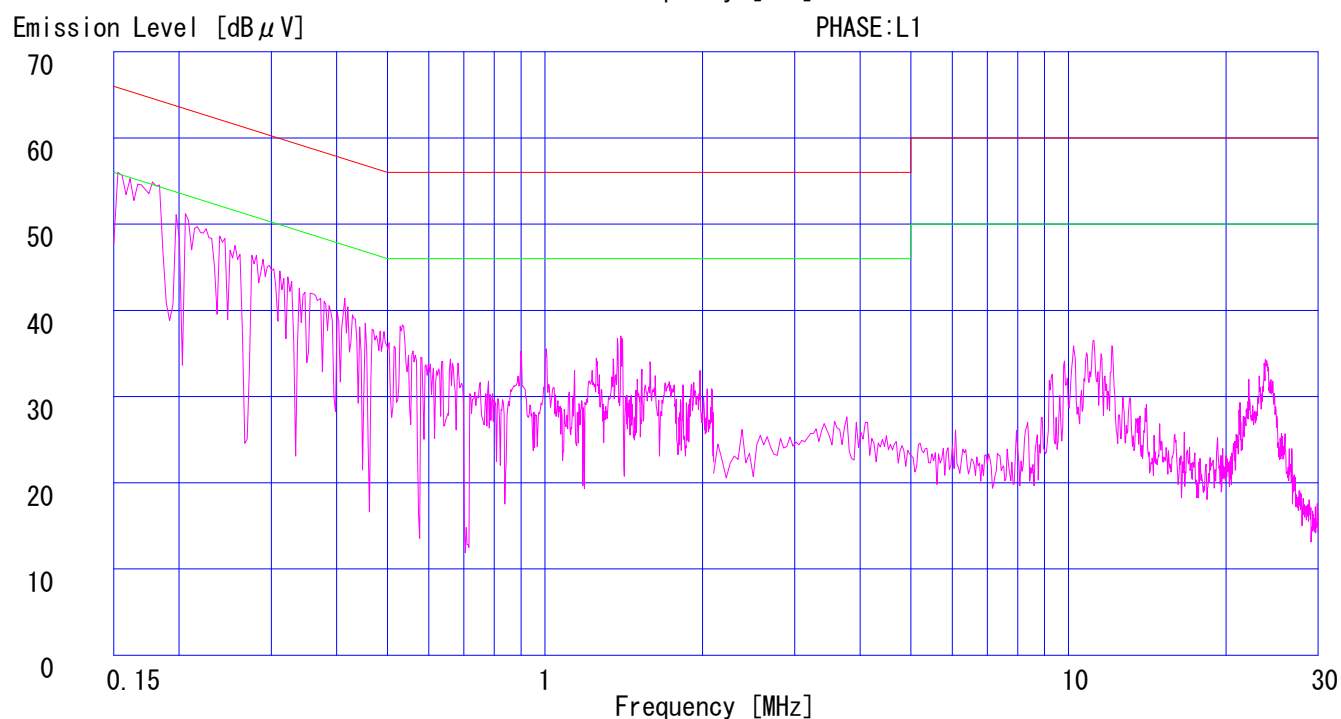
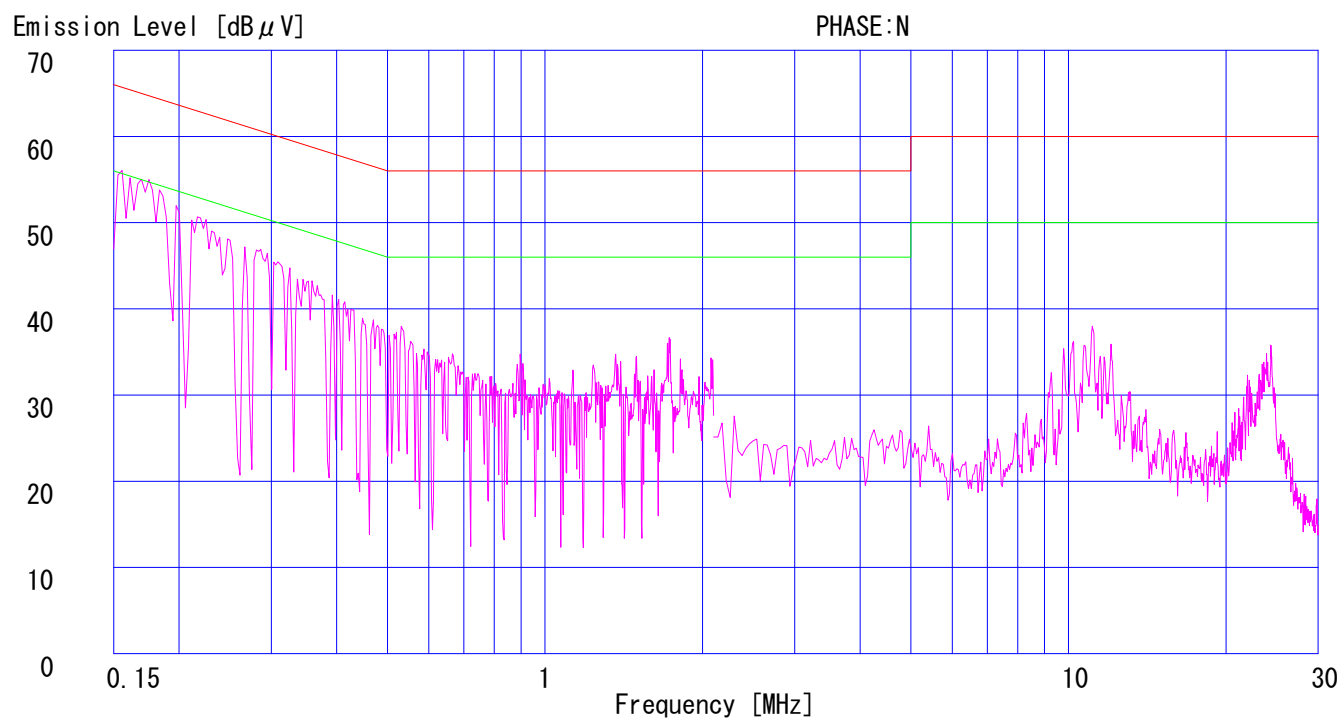
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 1Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.1500	47.2	-	46.7	-	0.2	0.2	0.0	47.6	-	66.0	56.0	18.4	-
2.	0.6615	26.1	-	30.1	-	0.2	0.3	0.0	30.6	-	56.0	46.0	25.4	-
3.	1.0061	28.9	-	28.8	-	0.2	0.3	0.0	29.4	-	56.0	46.0	26.6	-
4.	3.5782	32.6	-	31.2	-	0.3	0.3	0.0	33.2	-	56.0	46.0	22.8	-
5.	8.0706	30.0	-	29.7	-	0.4	0.4	0.0	30.8	-	60.0	50.0	29.2	-
6.	17.5902	29.1	-	29.2	-	0.5	0.5	0.0	30.2	-	60.0	50.0	29.8	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

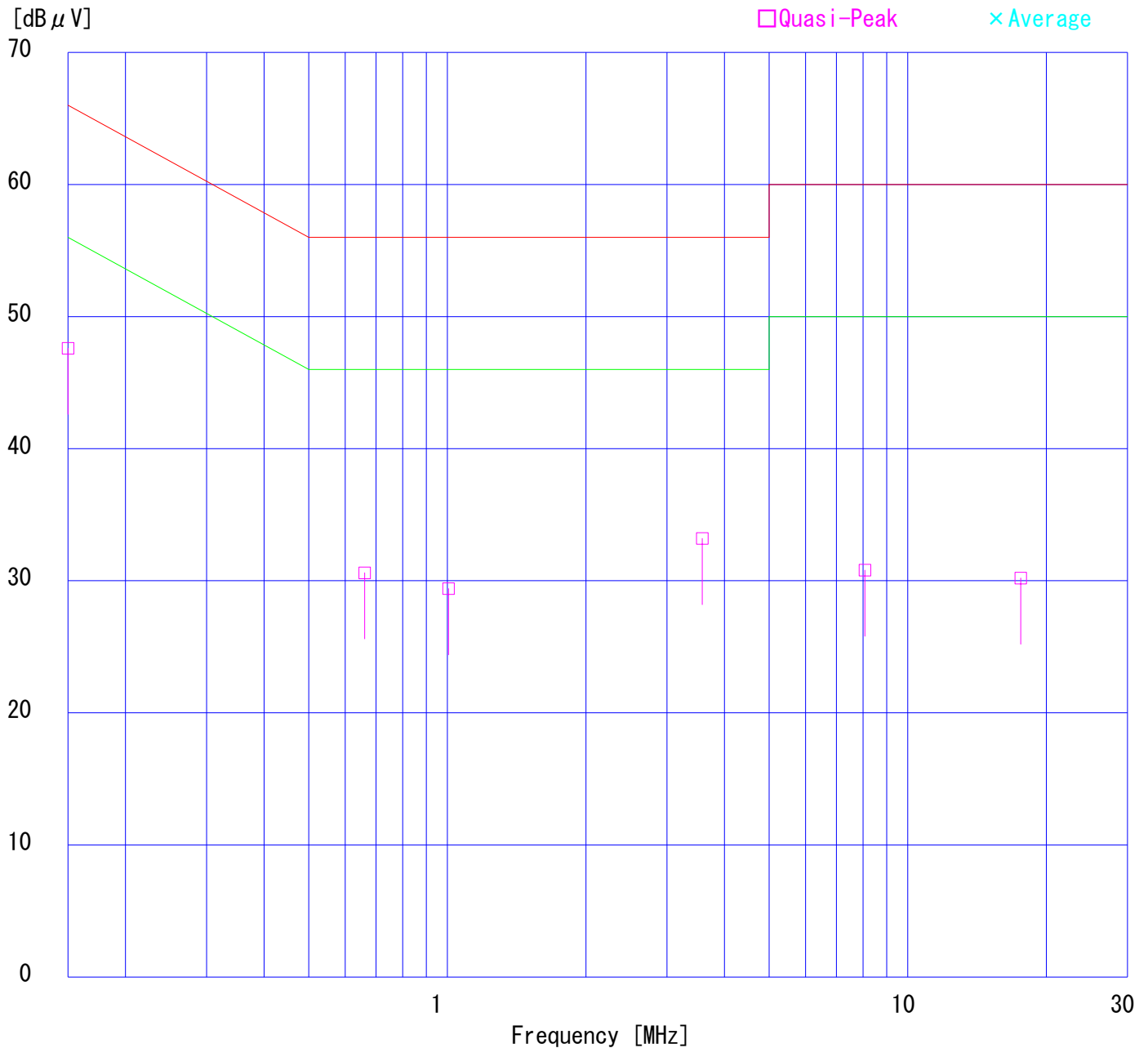
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

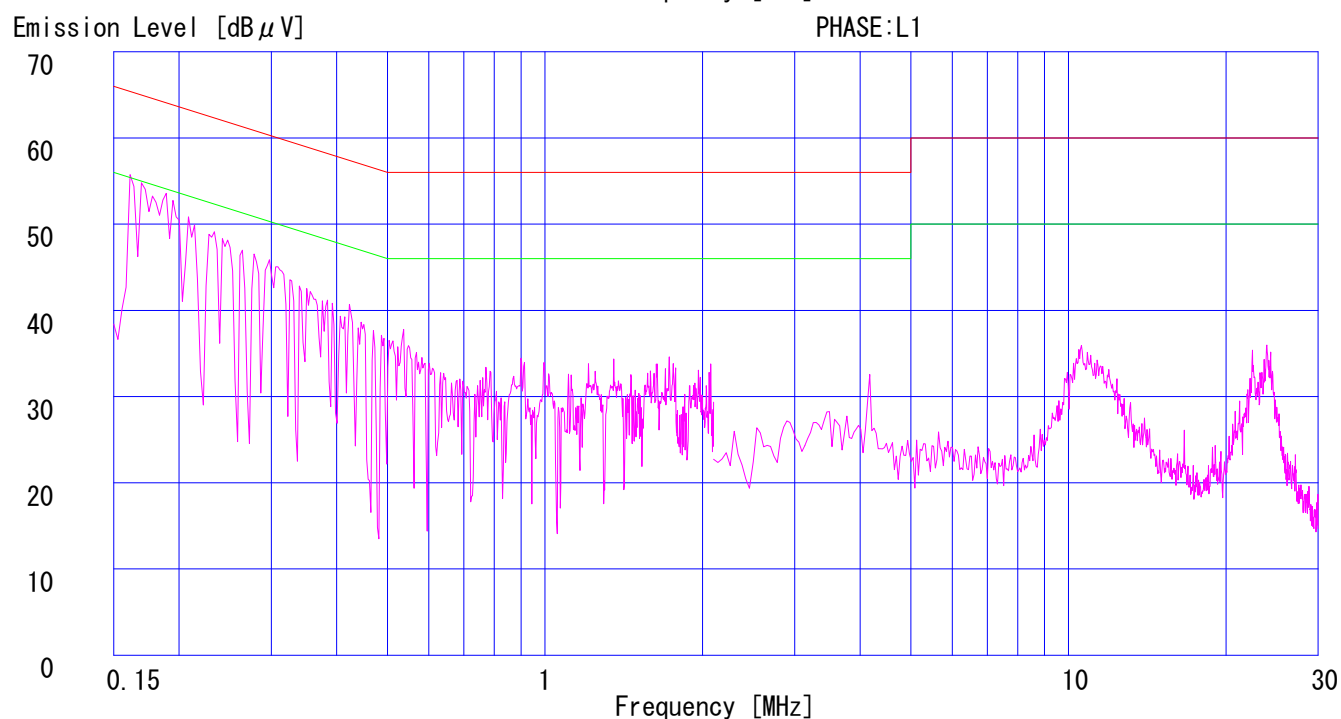
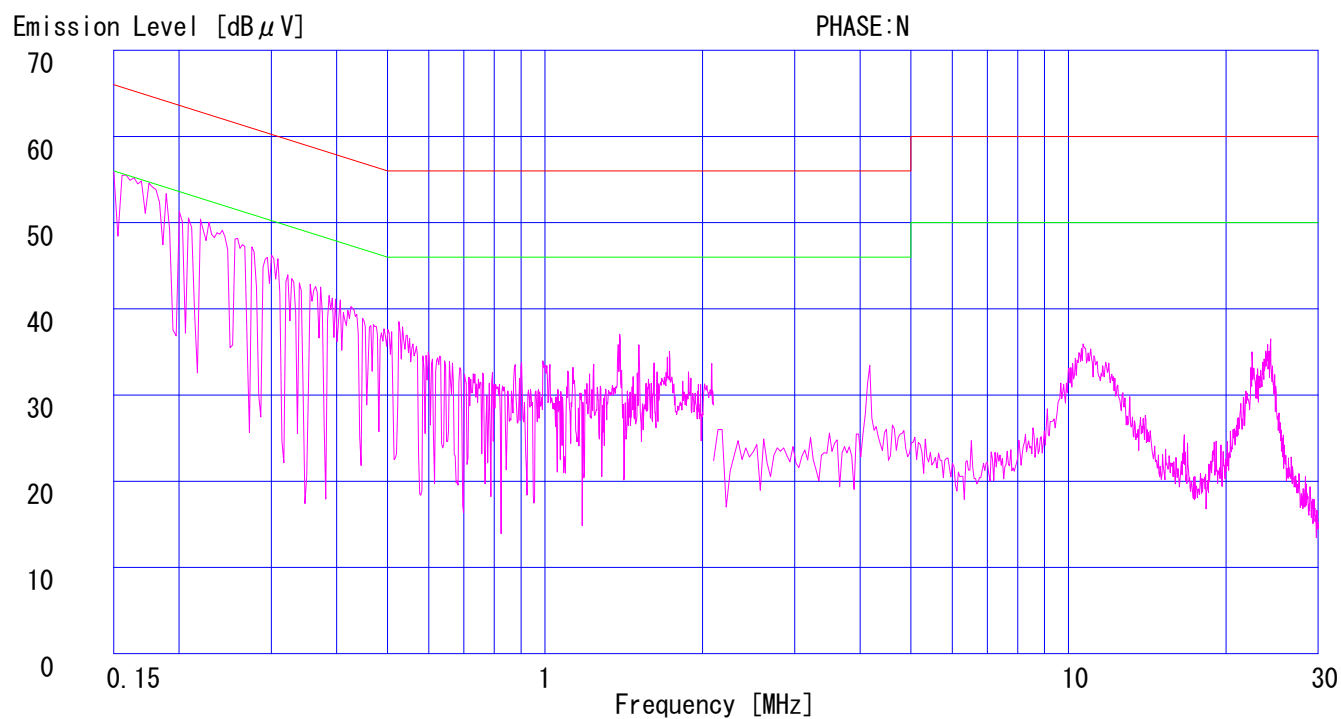
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.1500	46.9	-	46.4	-	0.2	0.2	0.0	47.3	-	66.0	56.0	18.7	-
2.	0.9431	28.7	-	30.1	-	0.2	0.3	0.0	30.6	-	56.0	46.0	25.4	-
3.	1.9308	29.7	-	29.7	-	0.3	0.3	0.0	30.3	-	56.0	46.0	25.7	-
4.	3.5782	19.2	-	28.9	-	0.3	0.3	0.0	29.5	-	56.0	46.0	26.5	-
5.	19.3508	21.3	-	21.5	-	0.6	0.6	0.0	22.7	-	60.0	50.0	37.3	-
6.	28.6347	31.5	-	32.1	-	0.8	0.7	0.0	33.6	-	60.0	50.0	26.4	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

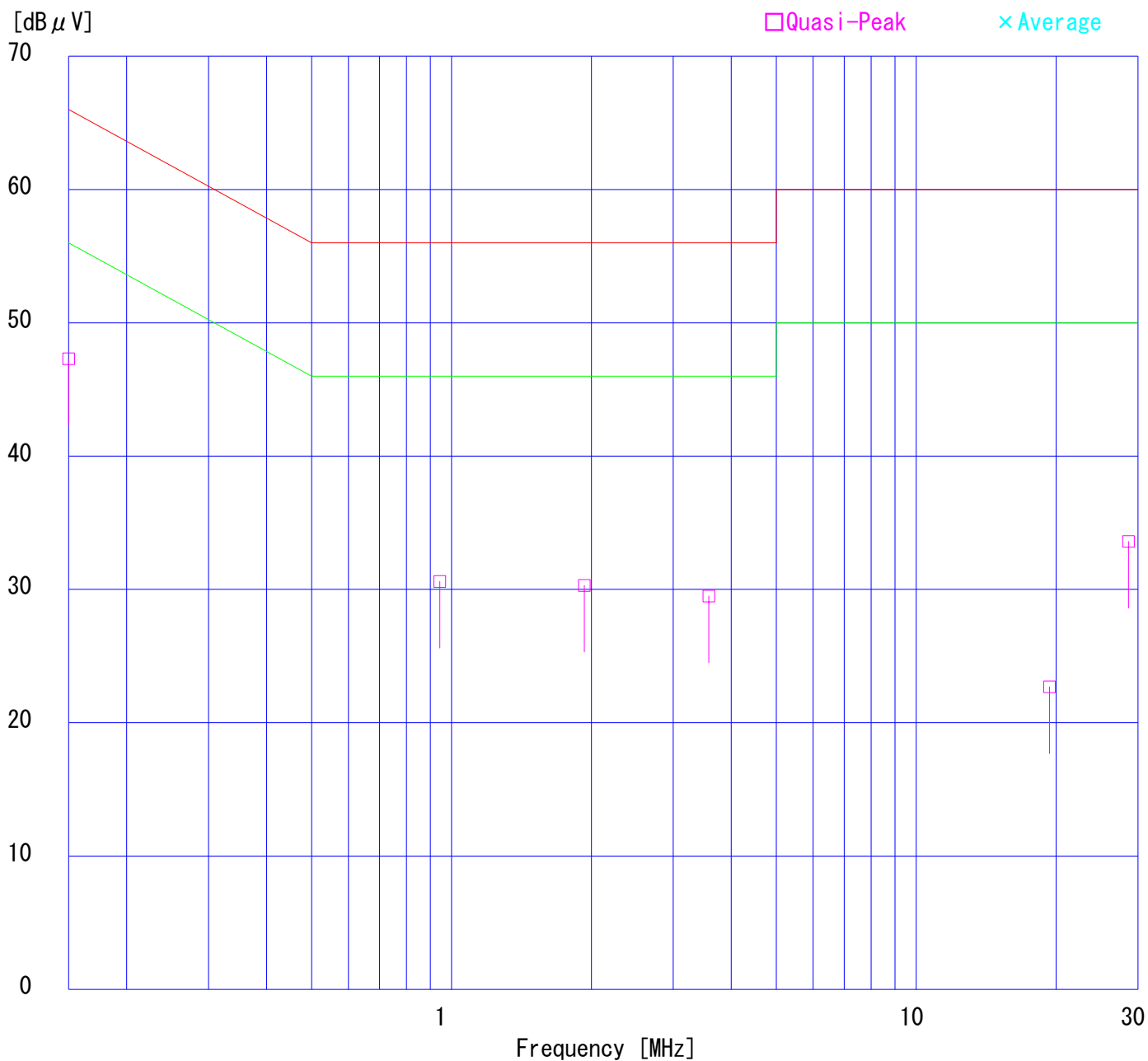
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

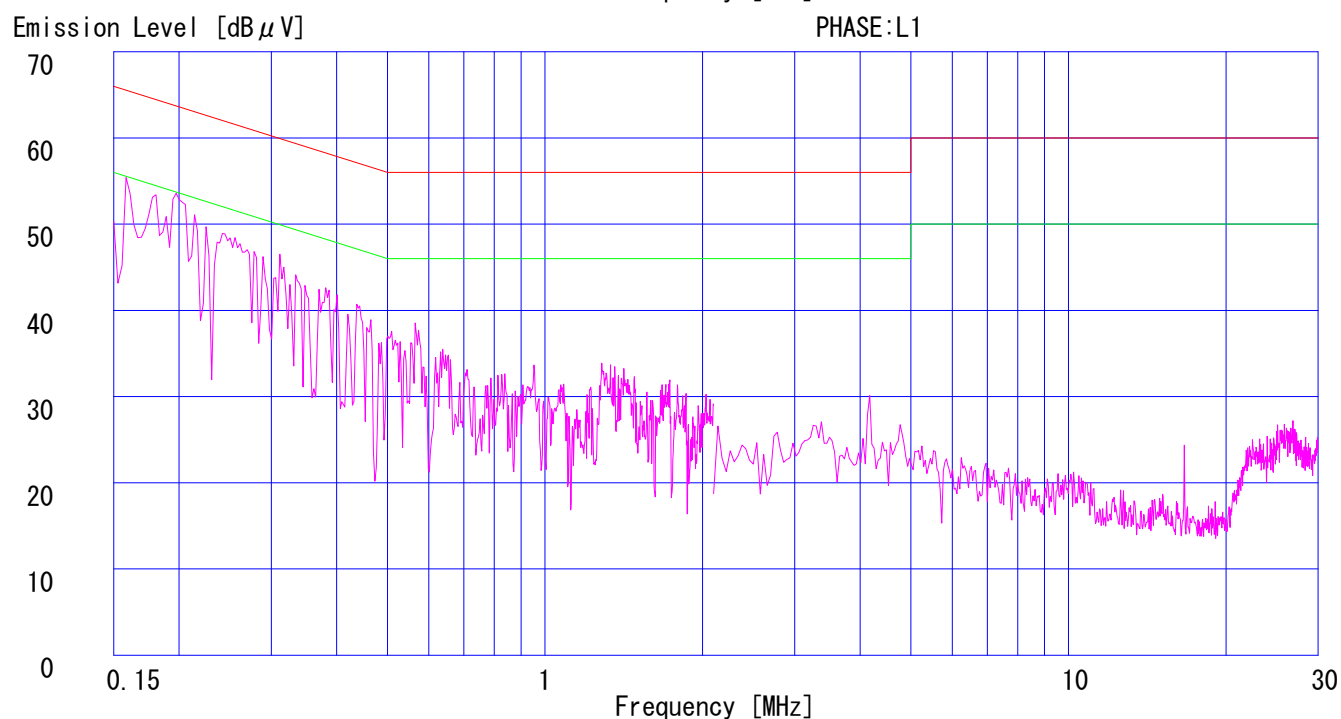
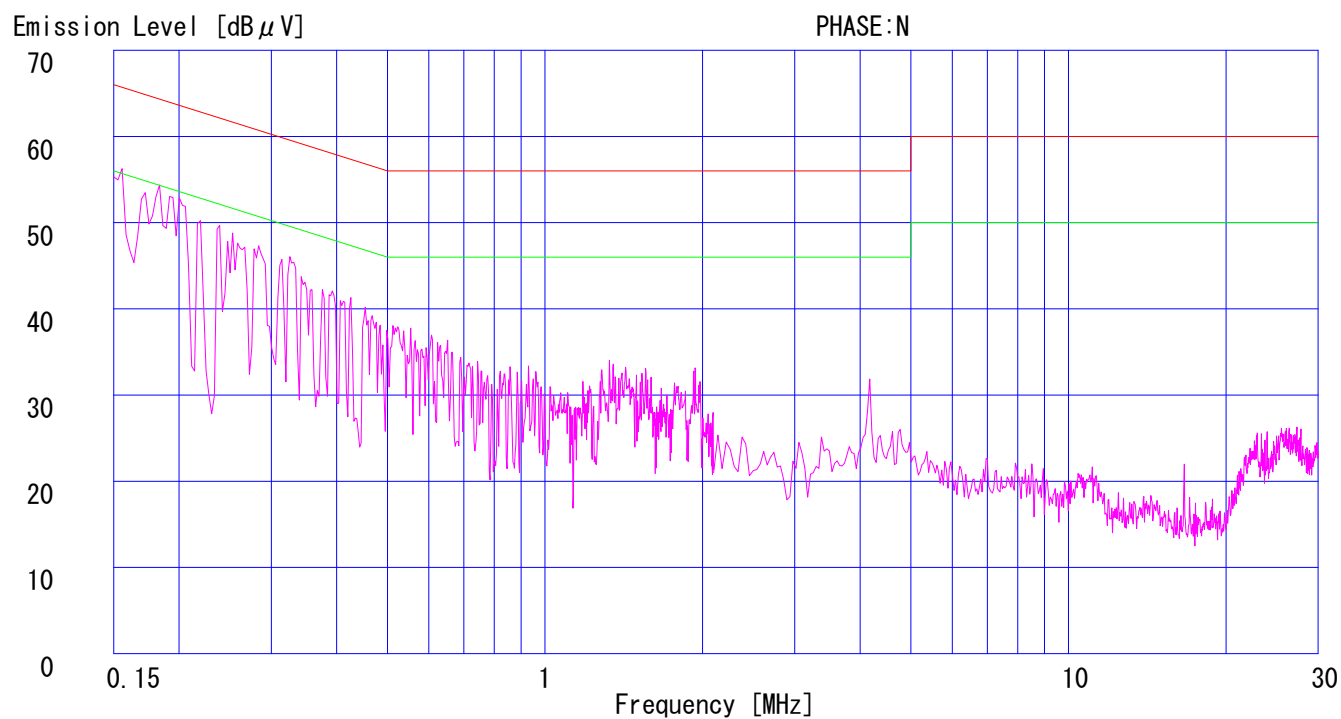
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play+Rec
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1500	47.7	-	47.6	-	0.2	0.2	0.0	48.1	-	66.0	56.0	17.9	-
2.	0.5953	24.5	-	28.3	-	0.2	0.3	0.0	28.8	-	56.0	46.0	27.2	-
3.	1.2597	25.7	-	27.8	-	0.2	0.3	0.0	28.3	-	56.0	46.0	27.7	-
4.	3.5959	26.0	-	25.2	-	0.3	0.3	0.0	26.6	-	56.0	46.0	29.4	-
5.	18.2820	19.8	-	20.6	-	0.5	0.5	0.0	21.6	-	60.0	50.0	38.4	-
6.	28.6349	30.1	-	30.9	-	0.8	0.7	0.0	32.4	-	60.0	50.0	27.6	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

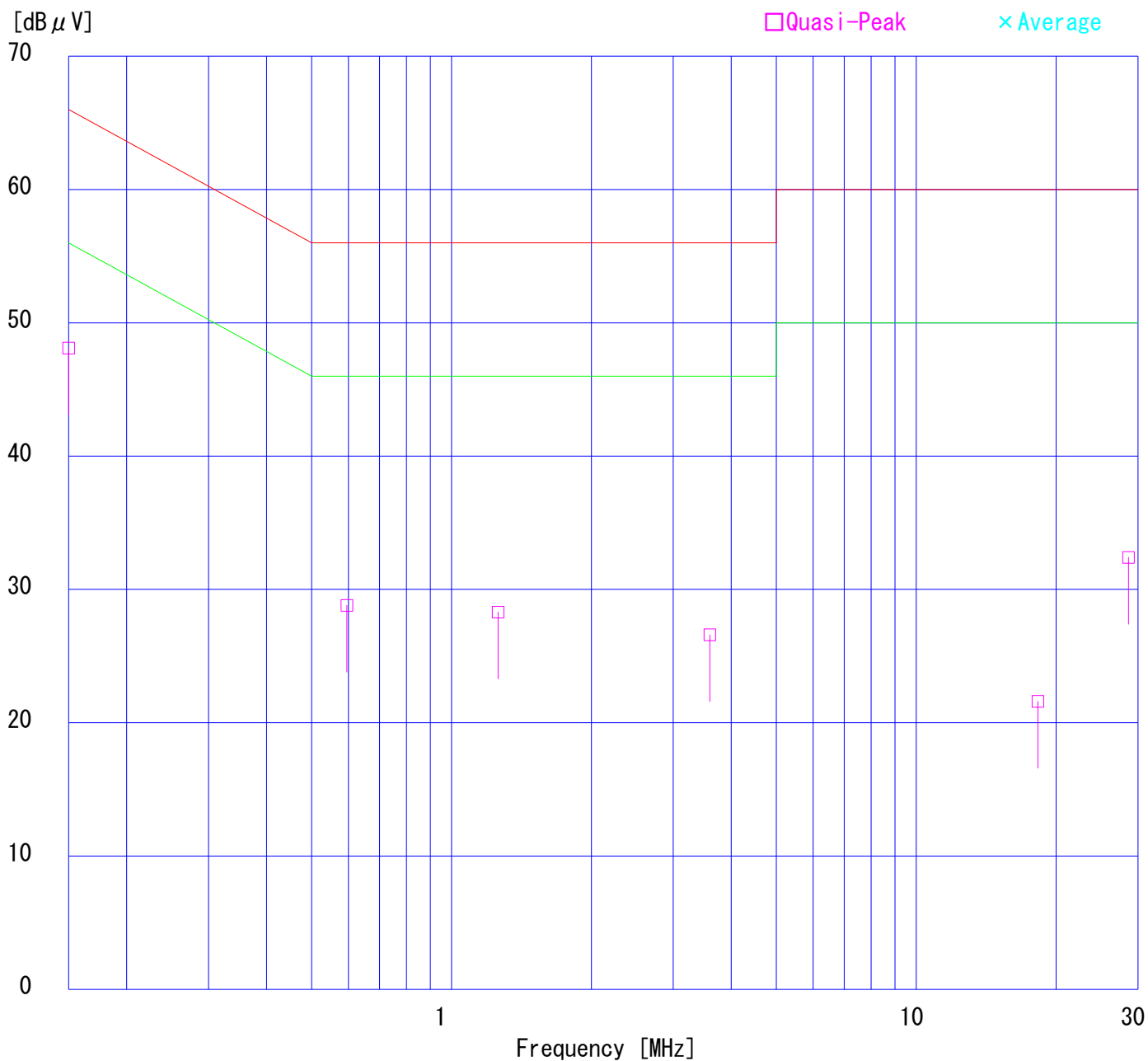
Except for the above table: adequate margin data below the limits.

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.
YOKOWA No.3 SHIELD TEST ROOM
Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play+Rec
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B (2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

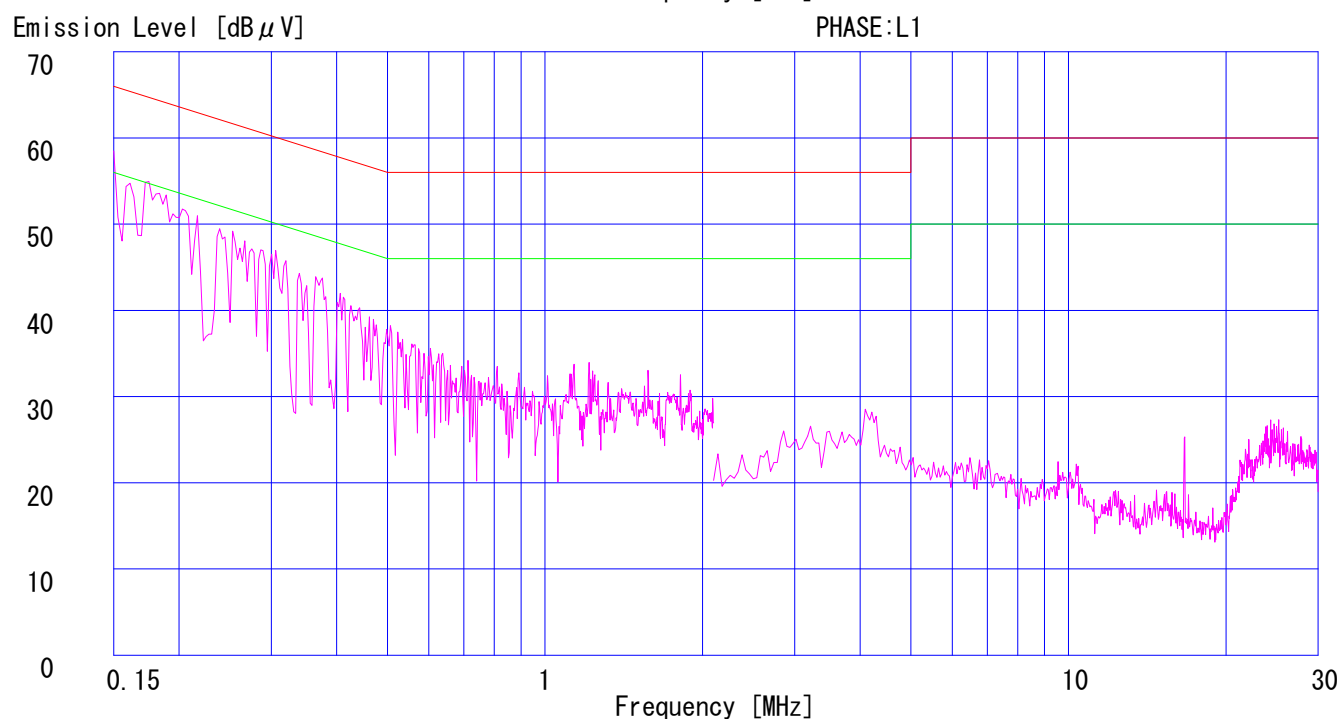
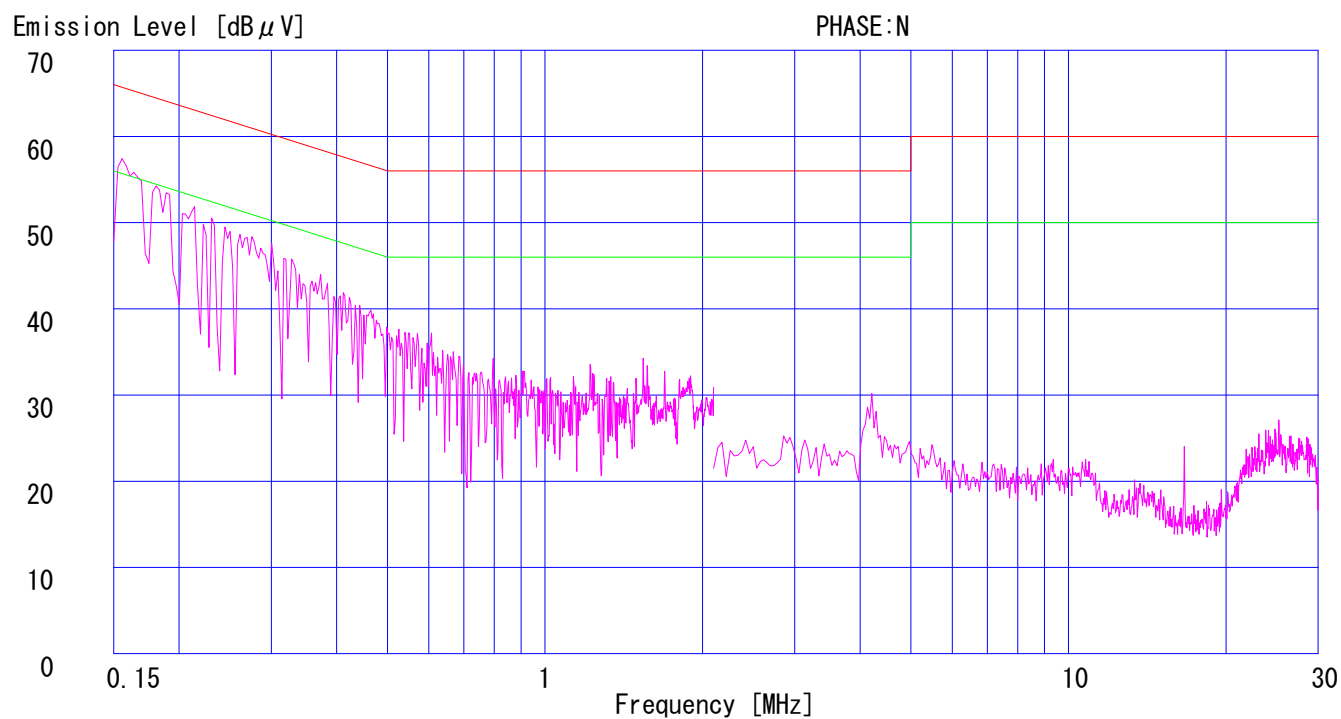
UL Apex Co., Ltd.

YOKOWA No.3 SHIELD TEST ROOM

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play+Rec
Remarks :
Date : 11/15/2005
Phase : Single Phase
Temperature : 26 °C
Humidity : 38 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP./HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

For the measurement above 100MHz, measurement of TV detector is performed only when the result of PK detector exceed the limit of TV.																		
CH.	FREQ	READING(QP) HOR. VER.				ANT TYPE	C.Factor	RESULT(QP) HOR. VER.				LIMIT [QP]			MARGIN(QP) HOR. VER.			
	[MHz]	[dBuV]					[dBuV]	[dBuV/m]				[dBuV/m]			[dB]			
VHF																		
2	101	25.8	27.5			BC	-11.1	14.7	16.4			43.5			28.8	27.1		
	202					BC						43.5			>15.0			
	303					LO						46.0						
	404					LO						46.0						
	505					LO						46.0						
	606					LO						46.0						
	707					LO						46.0						
	808					LO						46.0						
	909					LO						46.0						
		READING(PK) HOR. VER.	READING(AV) HOR. VER.	ANT TYPE	C.Factor	RESULT(PK) HOR. VER.	RESULT(AV) HOR. VER.	LIMIT [PK]	LIMIT [AV]	MARGIN(PK) HOR. VER.	MARGIN(AV) HOR. VER.							
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]						
	1010					HO						74.0	54.0	>27.0		>10.0		
	1111					HO						74.0	54.0					
	1212					HO						74.0	54.0					
	1313					HO						74.0	54.0					
	1414					HO						74.0	54.0					
	1515					HO						74.0	54.0					
1616	HO					74.0						54.0						
CH.	FREQ	READING(QP) HOR. VER.				ANT TYPE	C.Factor	RESULT(QP) HOR. VER.				LIMIT [QP]			MARGIN(QP) HOR. VER.			
	[MHz]	[dBuV]					[dBuV]	[dBuV/m]				[dBuV/m]			[dB]			
3	107	26.1	26.7			BC	-10.1	16.0	16.6			43.5			27.5	26.9		
	214					BC						43.5			>15.0			
	321					LO						46.0						
	428					LO						46.0						
	535					LO						46.0						
	642					LO						46.0						
	749					LO						46.0						
	856					LO						46.0						
	963					LO						54.0						
		READING(PK) HOR. VER.	READING(AV) HOR. VER.	ANT TYPE	C.Factor	RESULT(PK) HOR. VER.	RESULT(AV) HOR. VER.	LIMIT [PK]	LIMIT [AV]	MARGIN(PK) HOR. VER.	MARGIN(AV) HOR. VER.							
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]						
	1070					HO						74.0	54.0	>27.0		>10.0		
	1177					HO						74.0	54.0					
	1284					HO						74.0	54.0					
	1391					HO						74.0	54.0					
	1498					HO						74.0	54.0					
	1605					HO						74.0	54.0					
CH.	FREQ	READING(QP) HOR. VER.				ANT TYPE	C.Factor	RESULT(QP) HOR. VER.				LIMIT [QP]			MARGIN(QP) HOR. VER.			
	[MHz]	[dBuV]					[dBuV]	[dBuV/m]				[dBuV/m]			[dB]			
4	113	27.3	27.0			BC	-9.0	18.3	18.0			43.5			25.2	25.5		
	226					BC						46.0			>15.0			
	339					LO						46.0						
	452					LO						46.0						
	565					LO						46.0						
	678					LO						46.0						
	791					LO						46.0						
	904					LO						46.0						
						READING(PK) HOR. VER.						READING(AV) HOR. VER.						ANT TYPE
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]						
	1017					HO						74.0	54.0	>27.0		>10.0		
	1130					HO						74.0	54.0					
	1243					HO						74.0	54.0					
	1356					HO						74.0	54.0					
	1469					HO						74.0	54.0					
	1582					HO						74.0	54.0					

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP/HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]				TYPE	[dBuV]	HOR. VER.				[QP]		HOR. VER.			
		</															

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
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For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]			
VHF																	
9	233	23.4	23.4			BC	-3.0	20.4	20.4			46.0		25.6	25.6		
	466					LO						46.0		>15.0			
	699					LO						46.0					
	932					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR.	VER.	HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	[PK]	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1165					HO						74.0	54.0	>27.0	>10.0		
	1398					HO						74.0	54.0				
	1631					HO						74.0	54.0				
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]			
10	239	22.9	23.6			BC	-2.8	20.1	20.8			46.0		25.9	25.2		
	478					LO						46.0		>15.0			
	717					LO						46.0					
	956					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR.	VER.	HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	[PK]	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1195					HO						74.0	54.0	>27.0	>10.0		
	1434					HO						74.0	54.0				
	1673					HO						74.0	54.0				
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]			
11	245	23.0	23.9			BC	-2.7	20.3	21.2			46.0		25.7	24.8		
	490					LO						46.0		>15.0			
	735					LO						46.0					
	980					LO						54.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR.	VER.	HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	[PK]	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1225					HO						74.0	54.0	>27.0	>10.0		
	1470					HO						74.0	54.0				
	CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]			
12	251	22.6	22.8			BC	-2.4	20.2	20.4			46.0		25.8	25.6		
	502					LO						46.0		>15.0			
	753					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR.	VER.	HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	[PK]	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1004					HO						74.0	54.0	>27.0	>10.0		
	1255					HO						74.0	54.0				
	1506					HO						74.0	54.0				
	CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]			
13	257	24.8	24.2			BC	-2.0	22.8	22.2			46.0		23.2	23.8		
	514					LO						46.0		>15.0			
	771					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR.	VER.	HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	[PK]	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1028					HO						74.0	54.0	>27.0	>10.0		
	1285					HO						74.0	54.0				
	1542					HO						74.0	54.0				

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP/HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]		ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]		LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]	
UHF											
14	517	29.2	31.1		LO	-0.7	28.5	30.4		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1034			HO				74.0	54.0	>27.0	>10.0
19	547	26.9	28.9		LO	0.1	27.0	29.0		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1094			HO				74.0	54.0	>27.0	>10.0
28	601	26.1	29.7		LO	1.4	27.5	31.1		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1202			HO				74.0	54.0	>27.0	>10.0
36	649	26.1	27.9		LO	2.9	29.0	30.8		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1298			HO				74.0	54.0	>27.0	>10.0
44	697	25.9	26.2		LO	4.3	30.2	30.5		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1394			HO				74.0	54.0	>27.0	>10.0
53	751	25.8	28.1		LO	4.7	30.5	32.8		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1502			HO				74.0	54.0	>27.0	>10.0
61	799	25.3	26.7		LO	5.0	30.3	31.7		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1598			HO				74.0	54.0	>27.0	>10.0
69	847	28.3	27.3		LO	5.7	34.0	33.0		46.0	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1694			HO				74.0	54.0	>27.0	>10.0

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP./HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.			
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]		[dB]		
CATV																	
1	119	23.9	26.2			BC	-8.0	15.9	18.2			43.5		27.6	25.3		
	238					BC						46.0		>15.0			
	357					LO						46.0					
	476					LO						46.0					
	595					LO						46.0					
	714					LO						46.0					
	833					LO						46.0					
	952	LO	46.0														
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR. VER.		HOR. VER.		TYPE		HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.	
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]		[dB]	
	1071					HO						74.0	54.0	>27.0	>10.0		
1190	HO					74.0						54.0					
1309	HO					74.0						54.0					
1428	HO					74.0						54.0					
1547	HO					74.0						54.0					
1666	HO					74.0						54.0					
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	[dBuV]				TYPE	[dBuV]	[dBuV/m]				[QP]	HOR. VER.				
												[dBuV/m]	[dB]		[dB]		
95	137	23.3	24.2			BC	-6.3	17.0	17.9			43.5		26.5	25.6		
	274					BC						46.0		>15.0			
	411					LO						46.0					
	548					LO						46.0					
	685					LO						46.0					
	822					LO						46.0					
	959					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR. VER.		HOR. VER.		TYPE		HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.	
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]		[dB]	
	1096					HO						74.0	54.0	>27.0	>10.0		
	1233					HO						74.0	54.0				
1370	HO					74.0						54.0					
1507	HO					74.0						54.0					
1644	HO					74.0						54.0					
	HO					74.0						54.0					
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	[dBuV]				TYPE	[dBuV]	[dBuV/m]				[QP]	HOR. VER.				
												[dBuV/m]	[dB]		[dB]		
97	149	23.6	24.2			BC	-5.9	17.7	18.3			43.5		25.8	25.2		
	298					BC						46.0		>15.0			
	447					LO						46.0					
	596					LO						46.0					
	745					LO						46.0					
	894					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR. VER.		HOR. VER.		TYPE		HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.	
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]		[dB]	
	1043					HO						-	-	>27.0	>10.0		
	1192					HO						-	-				
	1341					HO						-	-				
1490	HO					-						-					
1639	HO					-						-					
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	[dBuV]				TYPE	[dBuV]	[dBuV/m]				[QP]	HOR. VER.				
												[dBuV/m]	[dB]		[dB]		
99	161	22.8	23.6			BC	-5.4	17.4	18.2			43.5		26.1	25.3		
	322					LO						46.0		>15.0			
	483					LO						46.0					
	644					LO						46.0					
	805					LO						46.0					
	966					LO						46.0					
		READING(PK)		READING(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)	
		HOR. VER.		HOR. VER.		TYPE		HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.	
		[dBuV]		[dBuV]			[dBuV]	[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]		[dB]	
	1127					HO						74.0	54.0	>27.0	>10.0		
	1288					HO						74.0	54.0				
	1449					HO						74.0	54.0				
1610	HO					74.0						54.0					

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP./HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	[MHz]	HOR. VER.		TYPE	[dBuV]	HOR. VER.		[QP]		HOR. VER.	
		[dBuV]				[dBuV/m]		[dBuV/m]		[dB]	[dB]
CATV											
14	167	23.9	23.6			BC	-5.1	18.8	18.5		
	334					LO					
	501					LO					
	668					LO					
	835					LO					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
	1002			HO				74.0	54.0		
	1169			HO				74.0	54.0		
18	1336			HO				74.0	54.0		
	1503			HO				74.0	54.0		
	1670			HO				74.0	54.0		
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	[MHz]	HOR. VER.		TYPE	[dBuV]	HOR. VER.		[QP]		HOR. VER.	
		[dBuV]				[dBuV/m]		[dBuV/m]		[dB]	[dB]
22	191	22.9	22.8			BC	-4.1	18.8	18.7		
	382					LO					
	573					LO					
	764					LO					
	955					LO					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
	1146			HO				74.0	54.0		
	1337			HO				74.0	54.0		
23	1528			HO				74.0	54.0		
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	[MHz]	HOR. VER.		TYPE	[dBuV]	HOR. VER.		[QP]		HOR. VER.	
		[dBuV]				[dBuV/m]		[dBuV/m]		[dB]	[dB]
29	215	24.2	24.0			BC	-3.5	20.7	20.5		
	430					LO					
	645					LO					
	860					LO					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
	1075			HO				74.0	54.0		
	1290			HO				74.0	54.0		
	1505			HO				74.0	54.0		
29	263	22.0	22.2			BC	-1.7	20.3	20.5		
	526					LO					
	789					LO					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
29		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
	1052			HO				74.0	54.0		
	1315			HO				74.0	54.0		
	1578			HO				74.0	54.0		
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	[MHz]	HOR. VER.		TYPE	[dBuV]	HOR. VER.		[QP]		HOR. VER.	
		[dBuV]				[dBuV/m]		[dBuV/m]		[dB]	[dB]
29	299	22.3	22.3			BC	-0.5	21.8	21.8		
	598					LO					
	897					LO					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
		[dBuV]	[dBuV]		[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]
	1196			HO				74.0	54.0		
	1495			HO				74.0	54.0		

DATA OF RADIATION TEST

UL Apex Co., Ltd.
Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL No. : SD-V394SU
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 26CE0147-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : 2005/10/19
TEMP/HUMID. : 22deg.C / 57 %
ENGINEER : Tsubasa Takayama

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain

For the measurement above 1GHz, measurement of AV detector is performed only when the result of PK detector exceed the limit of AV.

CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	HOR.	VER.		TYPE	[dBuV]	HOR.	VER.		[QP]		HOR.	VER.		
		[dBuV]					[dBuV/m]			[dBuV/m]		[dB]			
CATV															
36	341	23.3	22.6			LO	-4.1	19.2	18.5			46.0	46.0	26.8	27.5
	682	-	-			LO						46.0	46.0	>15.0	
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1023				HO					74.0	54.0	>27.0		>10.0	
	1364				HO					74.0	54.0				
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
37	347	22.7	22.3			LO	-4.0	18.7	18.3			46.0	46.0	27.3	27.7
	694					LO						46.0	46.0	>15.0	
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
	1041				HO					74.0	54.0	>27.0		>10.0	
	1388				HO					74.0	54.0				
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
65	515	27.8	25.1			LO	-0.7	27.1	24.4			46.0	46.0	18.9	21.6
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
		1030				HO					74.0	54.0	>27.0		>10.0
	1545				HO					74.0	54.0				
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
94	689	22.3	22.3			LO	4.0	26.3	26.3			46.0	46.0	19.7	19.7
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
		1378				HO					74.0	54.0	>27.0		>10.0
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
100	695	22.3	22.3			LO	4.3	26.6	26.6			46.0	46.0	19.4	19.4
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
		1390				HO					74.0	54.0	>27.0		>10.0
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
113	773	22.0	22.2			LO	4.8	26.8	27.0			46.0	46.0	19.2	19.0
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
		1546				HO					74.0	54.0	>27.0		>10.0
CH.	FREQ	READING(QP)			ANT	C.Factor	RESULT(QP)			LIMIT		MARGIN(QP)			
	[MHz]	[dBuV]			TYPE	[dBuV]	[dBuV/m]			[QP]		[dB]			
124	839	21.7	21.6			LO	5.6	27.3	27.2			46.0	46.0	18.7	18.8
		READING(PK)	READING(AV)			C.Factor	RESULT(PK)	RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)		
		HOR. VER.	HOR. VER.			TYPE	HOR. VER.	HOR. VER.		[PK]	[AV]	HOR. VER.	HOR. VER.		
		[dBuV]	[dBuV]			[dBuV]	[dBuV/m]	[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB]	[dB]	[dB]	[dB]
		1678				HO					74.0	54.0	>27.0		>10.0

DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
 Kind of Equipment : DVD Player with Video Cassette Recorder
 Model No. : SD-V394SU
 Serial No. : -
 Power : AC120V/60Hz
 Mode : TV Reception Rec
 Remarks :
 Date : 11/14/2005
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 47 %
 Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	37.81	BB	24.8	29.8	15.6	28.2	1.3	5.8	19.3	24.3	40.0	20.7	15.7
2.	60.02	BB	28.0	39.7	8.4	28.1	1.6	5.8	15.7	27.4	40.0	24.3	12.6
3.	161.08	BB	24.3	32.2	15.2	27.9	2.7	5.8	20.1	28.0	43.5	23.4	15.5
4.	202.52	BB	39.3	32.5	17.1	27.8	3.1	5.8	37.5	30.7	43.5	6.0	12.8
5.	270.03	BB	31.0	27.4	18.5	27.8	3.7	5.8	31.2	27.6	46.0	14.8	18.4
6.	337.53	BB	31.5	33.9	17.1	27.9	4.2	5.9	30.8	33.2	46.0	15.2	12.8
7.	371.28	BB	31.6	34.9	17.5	27.9	4.4	5.9	31.5	34.8	46.0	14.5	11.2
8.	405.04	BB	29.5	30.2	17.9	28.0	4.7	5.9	30.0	30.7	46.0	16.0	15.3
9.	540.04	BB	33.7	31.7	19.8	27.9	5.5	5.9	37.0	35.0	46.0	9.0	11.0
10.	675.05	BB	29.2	30.6	22.0	27.3	6.3	5.9	36.1	37.5	46.0	9.9	8.5
11.	945.08	BB	27.3	28.7	26.1	27.1	7.8	6.0	40.1	41.5	46.0	5.9	4.5
12.	0.00	BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
13.	945.08	BB	0.0	27.6	26.1	27.1	7.8	6.0	0.0	40.4	46.0	-	5.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

Except for the above table: adequate margin data below the limits.

ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

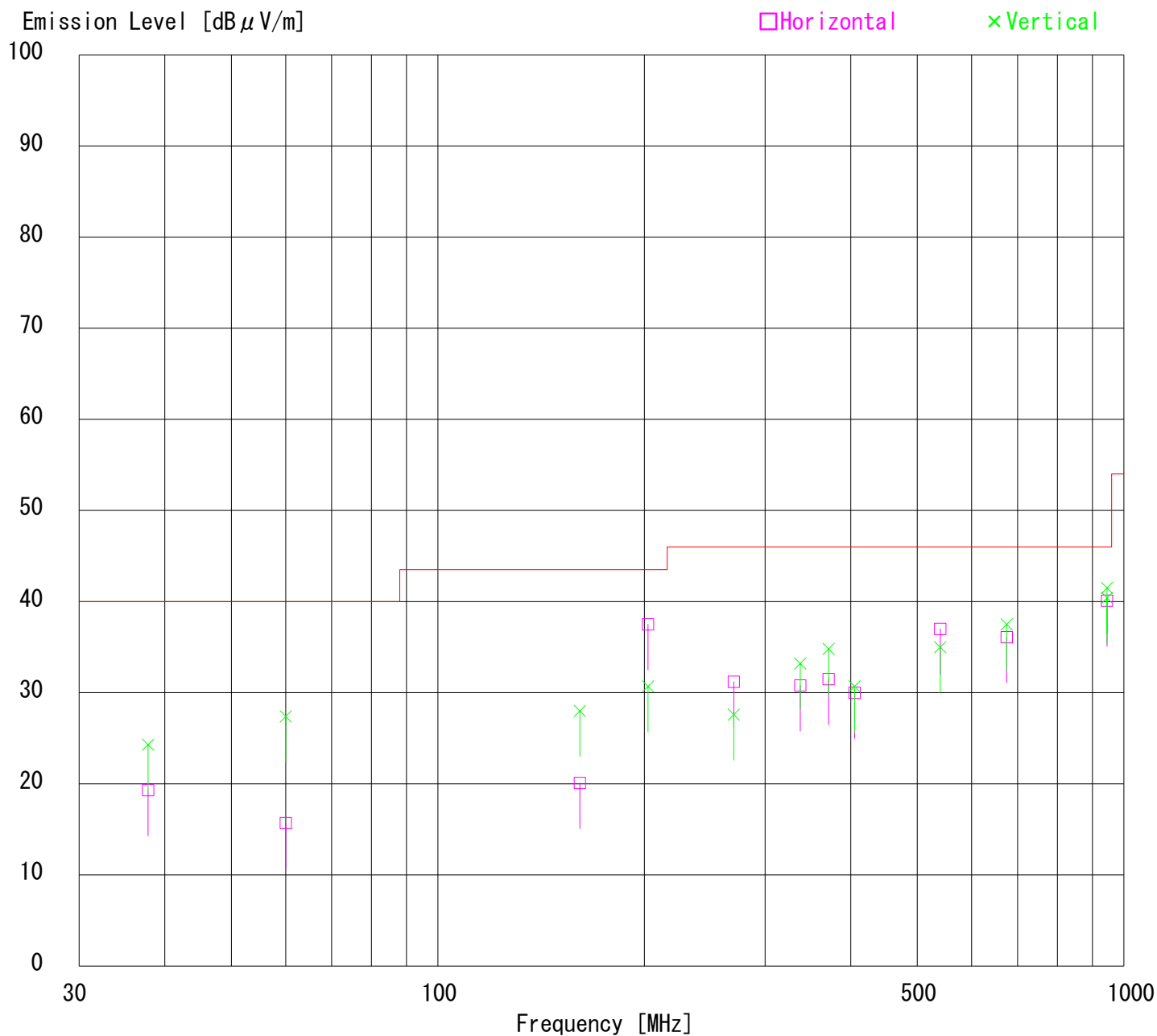
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception Rec
Remarks :
Date : 11/14/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
 Kind of Equipment : DVD Player with Video Cassette Recorder
 Model No. : SD-V394SU
 Serial No. : -
 Power : AC120V/60Hz
 Mode : TV Reception Rec
 Remarks :
 Date : 11/14/2005
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 47 %
 Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	37.81	BB	24.8	29.8	15.6	28.2	1.3	5.8	19.3	24.3	40.0	20.7	15.7
2.	60.02	BB	28.0	39.7	8.4	28.1	1.6	5.8	15.7	27.4	40.0	24.3	12.6
3.	161.08	BB	24.3	32.2	15.2	27.9	2.7	5.8	20.1	28.0	43.5	23.4	15.5
4.	202.52	BB	39.3	32.5	17.1	27.8	3.1	5.8	37.5	30.7	43.5	6.0	12.8
5.	270.03	BB	31.0	27.4	18.5	27.8	3.7	5.8	31.2	27.6	46.0	14.8	18.4
6.	337.53	BB	31.5	33.9	17.1	27.9	4.2	5.9	30.8	33.2	46.0	15.2	12.8
7.	371.28	BB	31.6	34.9	17.5	27.9	4.4	5.9	31.5	34.8	46.0	14.5	11.2
8.	405.04	BB	29.5	30.2	17.9	28.0	4.7	5.9	30.0	30.7	46.0	16.0	15.3
9.	540.04	BB	33.7	31.7	19.8	27.9	5.5	5.9	37.0	35.0	46.0	9.0	11.0
10.	675.05	BB	29.2	30.6	22.0	27.3	6.3	5.9	36.1	37.5	46.0	9.9	8.5
11.	945.08	BB	27.3	28.7	26.1	27.1	7.8	6.0	40.1	41.5	46.0	5.9	4.5

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

Except for the above table: adequate margin data below the limits.

ANT.TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

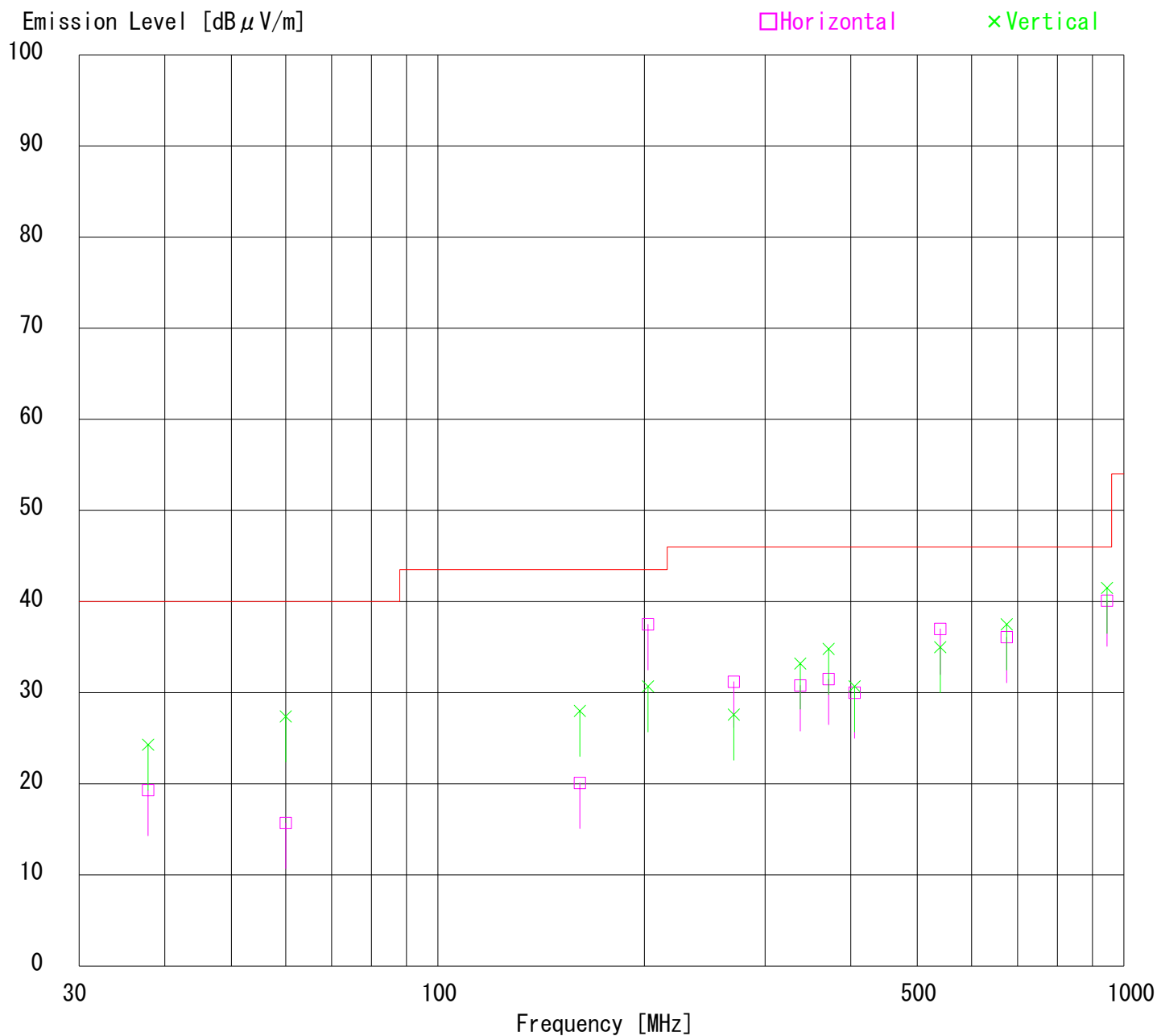
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception Rec
Remarks :
Date : 11/14/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Test Distance : 3 m
Temperature : 22 °C Engineer : Tsubasa Takayama
Humidity : 40 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	52.4	54.6	24.2	39.9	3.4	0.0	40.1	42.3	74.0	33.9	31.7
2.	1215.08	BB	51.1	58.5	24.6	39.7	3.6	0.0	39.6	47.0	74.0	34.4	27.0
3.	1755.12	BB	48.0	50.8	27.0	38.8	4.5	0.0	40.7	43.5	74.0	33.3	30.5

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

Except for the above table: adequate margin data below the limits.

DATA OF RADIATION TEST

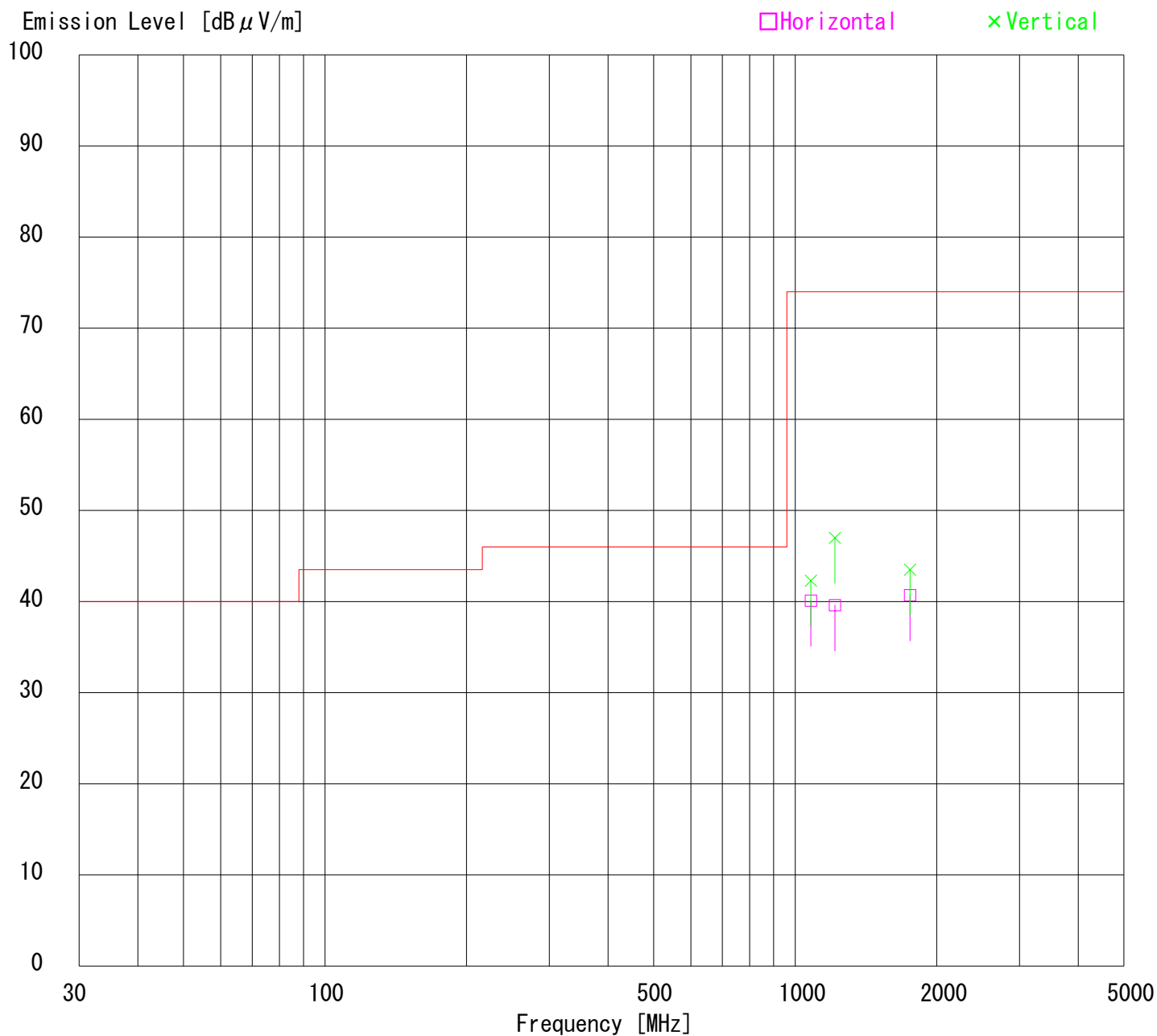
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Test Distance : 3 m
Temperature : 22 °C
Humidity : 40 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
Test Distance : 3 m
Temperature : 22 °C Engineer : Tsubasa Takayama
Humidity : 40 %
Regulation : FCC Part15B CLASS B (Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	42.4	46.4	24.2	39.9	3.4	0.0	30.1	34.1	54.0	23.9	19.9
2.	1215.08	BB	40.9	46.8	24.6	39.7	3.6	0.0	29.4	35.3	54.0	24.6	18.7
3.	1755.12	BB	39.0	44.3	27.0	38.8	4.5	0.0	31.7	37.0	54.0	22.3	17.0

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

Except for the above table: adequate margin data below the limits.

DATA OF RADIATION TEST

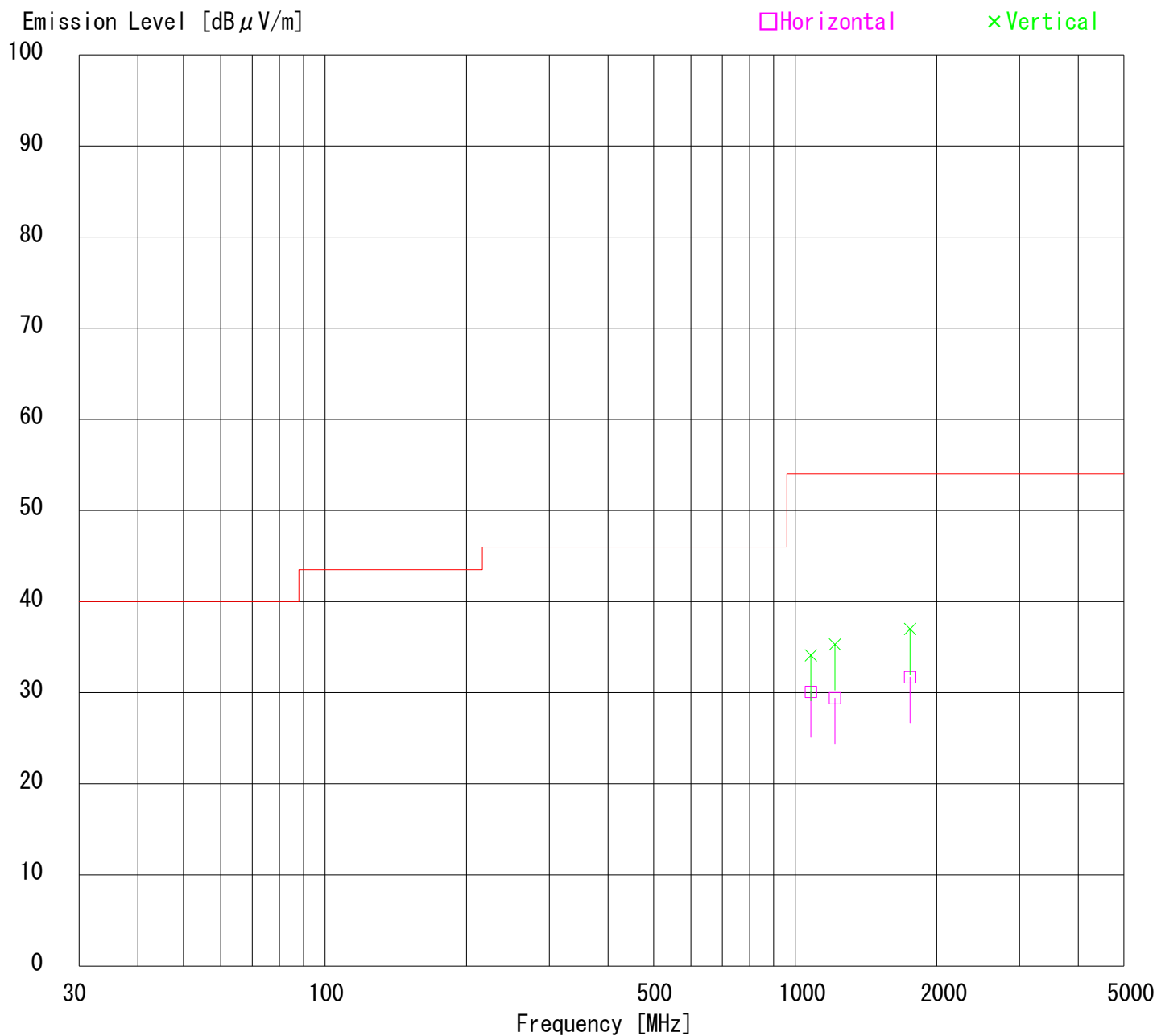
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 11/15/2005
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Temperature : 22 °C
Humidity : 40 %
Regulation : FCC Part15B CLASS B (Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 1Vp-p
Date : 11/14/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	945.08	BB	28.3	29.0	26.1	27.1	7.8	6.0	41.1	41.8	46.0	4.9	4.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

Expect for the above table : adequate margin data below the limits.

ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

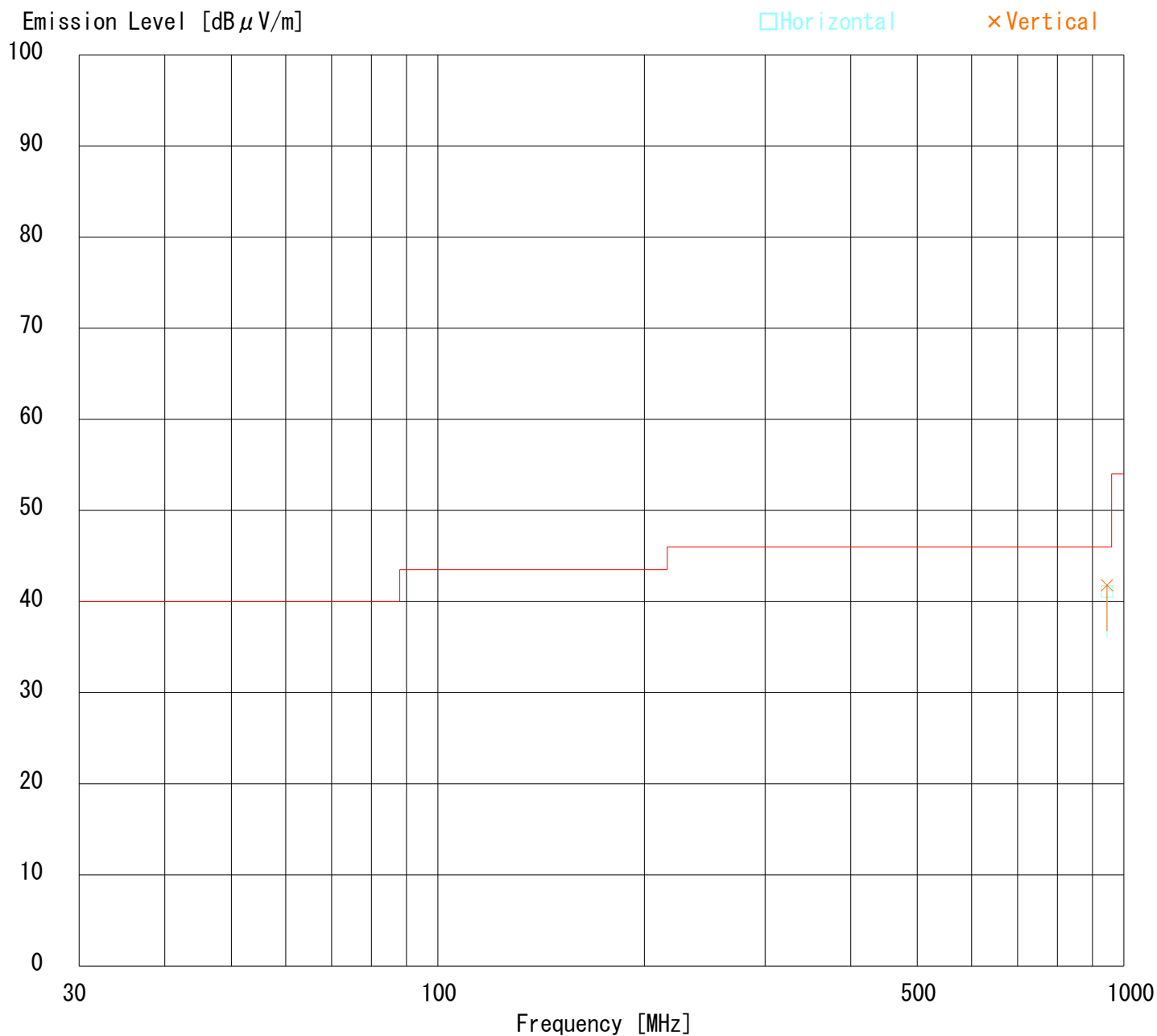
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 1Vp-p
Date : 11/14/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
 Kind of Equipment : DVD Player with Video Cassette Recorder
 Model No. : SD-V394SU
 Serial No. : -
 Power : AC120V/60Hz
 Mode : AV Input1 Rec
 Remarks :
 Date : 11/14/2005
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 47 %
 Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	36.87	BB	23.8	31.3	16.0	28.2	1.3	5.8	18.7	26.2	40.0	21.3	13.8
2.	161.08	BB	27.8	31.4	15.2	27.9	2.7	5.8	23.6	27.2	43.5	19.9	16.3
3.	202.53	BB	38.9	32.2	17.1	27.8	3.1	5.8	37.1	30.4	43.5	6.4	13.1
4.	270.03	BB	32.3	34.6	18.5	27.8	3.7	5.8	32.5	34.8	46.0	13.5	11.2
5.	337.53	BB	35.1	34.4	17.1	27.9	4.2	5.9	34.4	33.7	46.0	11.6	12.3
6.	371.29	BB	33.8	33.0	17.5	27.9	4.4	5.9	33.7	32.9	46.0	12.3	13.1
7.	405.04	BB	30.9	34.3	17.9	28.0	4.7	5.9	31.4	34.8	46.0	14.6	11.2
8.	540.04	BB	33.2	34.1	19.8	27.9	5.5	5.9	36.5	37.4	46.0	9.5	8.6
9.	675.05	BB	28.2	28.3	22.0	27.3	6.3	5.9	35.1	35.2	46.0	10.9	10.8
10.	945.08	BB	28.5	29.1	26.1	27.1	7.8	6.0	41.3	41.9	46.0	4.7	4.1

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

Except for the above table: adequate margin data below the limits.

ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic