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EMITEST REPORT

Test Report No.: 24KE0255-YW-1

Applicant:

Orion Electric Co., Ltd.

Type of equipment:

DVD/VCR

Model number:

DVD2100-C

Test standard:

FCC Part 15 Subpart B

ICES-003 Issue No.4 Class B

Test result:

Complied

- 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: June 24 to 30, 2004

Tested by:

Tsubasa Takayama EMC Service

Approved by:

Kazutoyo Nakanishi Site Manager of EMC Service

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Section 1 : Client information

Company name : Orion Electric Co., Ltd.

Address : 41-1 Iehisa-cho, Takefu-shi, Fukui-ken, 915-8555 JAPAN

Telephone number : +81 778 23 0019
Facsimile number : +81 778 23 7799
Contact person : Hiroshi Tsujimoto

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

2.1 Identification of E.U.T.

Type of equipment : DVD/VCR

Brand Name : Disney

Model number : DVD2100-C

Rating : AC 120 V / 60 Hz

Manufacturer : 1. World Electric (Thailand) Ltd.

236 Moo 2 Nongchark, Banbung, Chonburi 20170, Thailand

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 : June 18, 2004

Condition of EUT : Production Prototype

(Not for Sale: This sample is equivalent to mass-produced items.)

2.2 Product description

Model: DVD2100-C (referred to as the EUT in this report) is a DVD/VCR.

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

2.3 Similar apparatus

There are similar apparatuses as follows;

DVD2100-P

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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 C63.4:2001	CISPR 22	18.6 dB (0.1500 MHz, L1,	Complied
	IEEE 213:1987		VCR Playback)	
Radiated emission	ANSI C63.4:2001	30-88 MH: 100 uV/m	7.1 dB (945.00 MHz, Vertical,	Complied
	IEEE 187:1990	88–216 MHz: 150 uV/m	VCR Playback/ 270.00 MHz,	
		216–960 MHz: 200 uV/m	Horizontal, DVD Play)	
		above 960 MHz: 500 uV/m		
Antenna terminal	ANSI C63.4:2001	2 nW (at 75 ohm)	25.2 dB	Complied
voltage			(627.71040 MHz, CATV Tuning)	
RF output level	ANSI C63.4:2001	Video signal: 3000 uV	5.0 dB	Complied
		Aural signal: 671 uV	(67.25 MHz, VCR Playback)	
Spurious emission		94.8 uV	22.2 dB (331.4200 MHz, 3ch:	Complied
_			TV Reception + Rec. 25dBmV)	
Transfer switch	ANSI C63.4:2001	9.5 dB	7.0 dB (269.0000 MHz,	Complied
			VCR Playback: 4ch)	
Picture sensitivity	ANSI C63.4:2001	8 dB	3.5 dB	Complied
Noise figure	FCC/OET MP:2:1986	14 dB	6.7 dB (615.25 MHz, 38ch)	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 \pm 1.74 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 ± 4.4 dB.

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is ± 4.8 dB.

The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is ±5.8 dB.

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

Antenna terminal voltage

The measurement uncertainty (with a 95% confidence level) for this test was \pm 3.48 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 \pm 3.48 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 \pm 3.48 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 \pm 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 \pm 1.2 dB.

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

3.7 Test location

UL Apex Co., Ltd. Yokowa EMC Lab. No.1, No.2, No.3 shielded room, No.2 and No.3 open site

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TEL : +81 596 39 1485 FAX : +81 596 39 0232

No.2 open site

This site has been fully described in a report submitted to FCC office, and listed on August 29, 2003.

(Registration number: 90411)

No.3 open site

This site has been fully described in a report submitted to FCC office, and listed on September 25, 2003.

(Registration number: 90412)

*NVLAP Lab. Code: 200109-0

3.8 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)

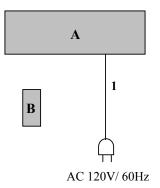
* VCR Playback mode

* DVD Play mode

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		Manufacturer	Remark	
A	DVD/VCR	DVD2100-C	_	Orion Electric Co., Ltd.	EUT	
В	Remote Controller	_	_	Orion Electric Co., Ltd.	EUT	

List of cable used

	No.	Item	Length (m)	Shield	Backshell material
ſ	1	AC Power Cable	1.6	Unshielded	Polyvinyl chloride

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Section 5 : Conducted emission

5.1 Operation environment

The test was carried out in a shielded room the size of 5.5 x 6.4 x 2.7m.

Date : June 29, 2004 Temperature : See data Humidity : See data

5.2 Test configuration

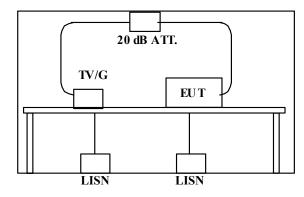
EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The rear of tabletop was located 40 cm to the vertical conducting plane. The rear of EUT was aligned and flushed with rear of tabletop. All other surfaces of tabletop was at least 80 cm from any 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.

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)

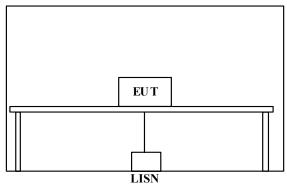
Shielded room



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

VCR Playback mode

Shielded room



RF in: 75 ohm terminated with RF input cable 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

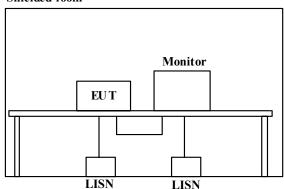
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DVD Play mode

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

5.3 Test conditions

Frequency range : 0.15 MHz - 30 MHz

EUT position : Table top

EUT operation mode: TV Reception + Rec., VCR Playback, 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.

EUT and desired signal generator should connect through 20 dB attenuator.

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.

Test engineer: Tsubasa Takayama

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Section 6 : Radiated emission

6.1 Operation environment

The test was carried out in an open site.

Date : June 24, 26 and 30, 2004

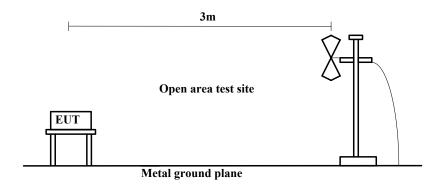
Temperature : See data Humidity : See data

6.2 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 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 / 25 dBmV)

EUT TV/G

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

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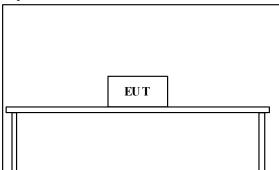
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VCR Playback mode

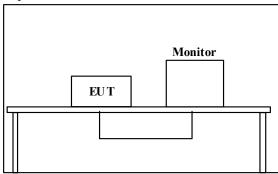
Open test site



RF in: 75 ohm terminated with RF input cable 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

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

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

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6.3 Test conditions

Frequency range : 30 MHz – 2000 MHz

Test distance : 3 m EUT position : Table top

EUT operation mode: TV Reception + Rec., VCR Playback, 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 80MHz – 90MHz, 270MHz – 290MHz and 500MHz – 700MHz in a shielded room to distinguish disturbances of EUT from the ambient noise. Measurements were performed with quasi-peak detector, peak detector and average detector. 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.

30-1000MHz (Test receiver) 1000-2000MHz (Spectrum analyzer)

Detector Type : QP : PK : AV

IF Bandwidth : 120kHz : RBW 1MHz / VBW 1MHz : RBW 1MHz/ VBW 10Hz

6.5 Test result

Passed

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

Test engineer: Tsubasa Takayama

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Section 7: Antenna terminal voltage

7.1 Operation environment

The test was carried out in a shielded room the size of 4.5 x 3.6 x 2.7 m.

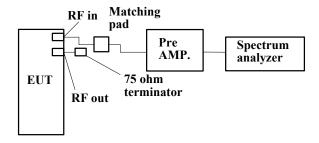
Date : June 29, 2004 Temperature : See data Humidity : See data

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 – 2000 MHz

EUT position : Table top

EUT operation mode: Tuning (TV receiver / CATV receiver)

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 (30-2000 MHz)

7.5 Test result

Passed

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

Test engineer: Tsubasa Takayama

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Section 8: RF output level / spurious emission

8.1 Operation environment

The test was carried out in a shielded room the size of 4.5 x 3.6 x 2.7 m.

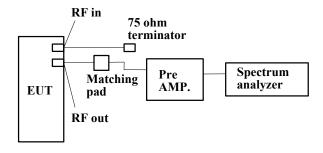
Date : June 29, 2004 Temperature : See data Humidity : See data

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



8.3 Test conditions

EUT position : Table top

EUT operation mode: TV Reception + Rec., VCR Playback, 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

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Section 9: Antenna transfer switch

9.1 Operation environment

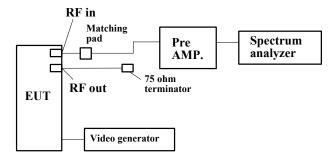
The test was carried out in a shielded room the size of 4.5 x 3.6 x 2.7 m.

Date : June 29, 2004 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: VCR Playback, DVD Play

9.4 Test procedure

EUT was connected spectrum analyzer through matching pad by accessory cable. RF channel selected 3ch or 4ch. The EUT exercised AV input + Rec. mode and Playback mode during the test, and 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

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Section 10: Picture sensitivity

10.1 Operation environment

The test was carried out in a shielded room the size of 4.5 x 3.6 x 2.7 m.

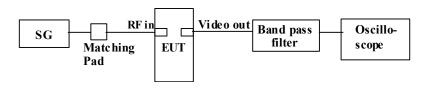
Date : June 29, 2004 Temperature : See data Humidity : See data

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.

Test engineer: Tsubasa Takayama

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Section 11 : Noise figure

11.1 Operating environment

The test was carried out in a shielded room the size of 4.5 x 3.6 x 2.7 m.

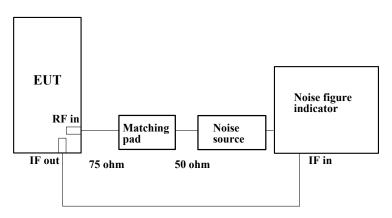
Date : June 29, 2004 Temperature : See data Humidity : See data

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 through ceramic condenser. 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

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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 - 36: Conducted emission

Page 37 - 59: Radiated emission

Page 60 - 61: Antenna terminal voltage

Page 62 - 73: RF output level / spurious emission

Page 74 - 77: Antenna transfer switch

Page 78: Picture sensitivity

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Appendix 3: Test instruments

Page 80: Test instruments

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Conducted emission





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Radiated emission





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Antenna terminal voltage





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RF output level / spurious emission





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Antenna transfer switch





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Picture sensitivity





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Noise figure





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UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant

Orion Electric Co., Ltd. DVD/VCR DVD2100-C

Kind of Equipment Model No.

Serial No.

Pewer Mode

AC120V/60Hz TV Reception+Rec (OdBm)

Remarks

: 6/29/2004

Date Phase

Temperature Humidity

Single Phase 25 °C 51 %

Engineer : Tsubasa Takayama

Regulation

: FCC Part15 CLASS B(2003)

No.	FREQ.	READING (N) QP AV [dB μ V]	READING (L1 QP AV [dB \(\mu\) V]	FACTOR L	OSS	TTEN.	RESU QP [dB]	AV [dB]	QP µV]	ITS AV [dB µ	QP v]	GIN AV [dB]
1. 2. 3. 4. 5.	0. 1500 0. 2308 0. 5025 1. 0621 18. 4321	46.7 - 37.8 - 22.9 - 25.2 - 28.4 -	47. 1 - 38. 2 - 24. 4 - 25. 8 - 28. 5 -	0. 1 0. 2 0. 2	0. 1 0. 1 0. 2	0.0 0.0 0.0 0.0	47. 3 38. 5 24. 8 26. 2 30. 8	- - - -	66. 0 62. 4 56. 0 56. 0 60. 0	56. 0 52. 4 46. 0 46. 0 50. 0	18. 7 23. 9 31. 2 29. 8 29. 2	- - - - -
6.	23. 0406	25.6 –	25.3 -	1.7	0.8		28. 1		60.0	50, 0	31.9	_

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

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

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant Orion Electric Co., Ltd.

Kind of Equipment Model No. DVD/VCR DVD2100-C

Serial No. Power

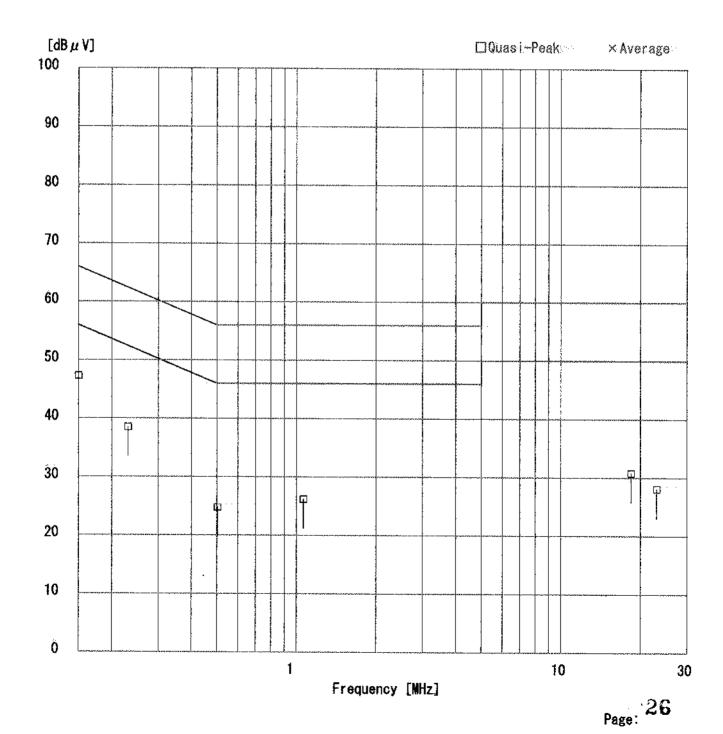
AC120V/60Hz TV Reception+Rec (OdBm) Mode

Remarks

Date 6/29/2004 Single Phase 25 °C 51 % Phase

Temperature Engineer : Tsubasa Takayama Humidity

: FCC Part15 CLASS B(2003) Regulation



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd. YOKOWA No.1 SHIELD ROOM

Report No. 24KE0255-Y-1

Orion Electric Co., Ltd. DVD/VCR

Applicant : Kind of Equipment : Model No. : DVD2100-C

Serial No. Power AC120V/60Hz

Mode TV Reception+Rec (OdBm)

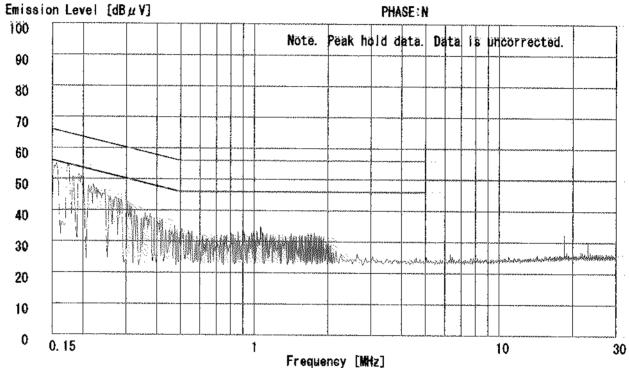
Remarks

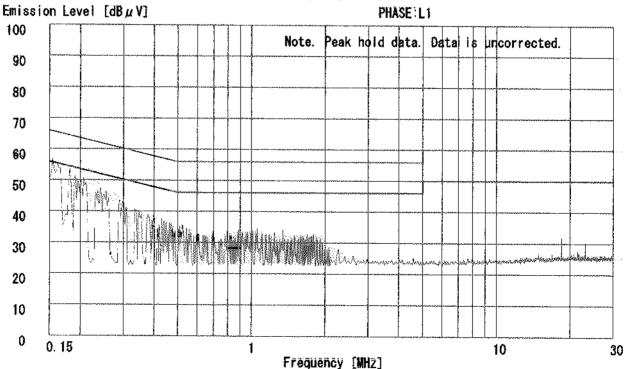
Date 6/29/2004 Single Phase 25 °C 51 % Phase

Temperature : Tsubasa Takayama Engineer Humidity

Regulation 1 FCC Part15 CLASS B(2003)

Regulation 2 : None





UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant

Orion Electric Co., Ltd. DVD/VCR DVD2100-C

Kind of Equipment Model No.

Serial No.

Power Mode

AC120V/60Hz TV Reception+Rec (25dBm)

Remarks Date

6/29/2004

Pháse Temperature : Single Phase : 25 °C : 51 %

Engineer : Tsubasa Takayama

Humidity Regulation

: FCC Part15 CLASS B(2003)

No:	FREQ.	READING QP [dB \(\mu\) \(\mu\)	AV	READIN QP [dB μ	G(L1) AV V]) LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN: [dB]	RESI QP [dB]	ULT AV [dB	QP (μV]	ITS AV [dB /	MAR QP 2 V]	GIN AV [dB]
1. 2.	0. 1500 0. 2316	46. 7 37. 6	- -	47. 0 38. 0	-	0. 1 0. 2	0. 1 0. 1	0. 0 0. 0	47. 2 38. 3	_	66. 0 62. 4	56. 0 52. 4	18.8 24.1	
3.	0.5023	22.8		24.3	-	0, 2	0.2	0.0	24.7	_	56.0	46.0	31.3	_
4.	1.0601	26. 3	-	25.9	-	0.2	0, 2	0.0	26.7		5 6 . 0	46.0	29.3	
5.	18. 4316	28.4		28.3	-	1.6	0.7	0.0	30.7		60.0	50.0	29.3	-
6.	23.0406	25.7	-	25.4	_	1.7	0.8	0.0	28.2	_	60.0	50.0	31.8	-

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

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

Engineer

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

: Tsubasa Takayama

Applicant Kind of Equipment Model No.

: Orion Electric Co.,Ltd. : DVD/VCR : DVD2100-C

Serial No.

Power

AC120V/60Hz

Mode

: TV Reception+Rec (25dBm)

Remarks Date

: 6/29/2004

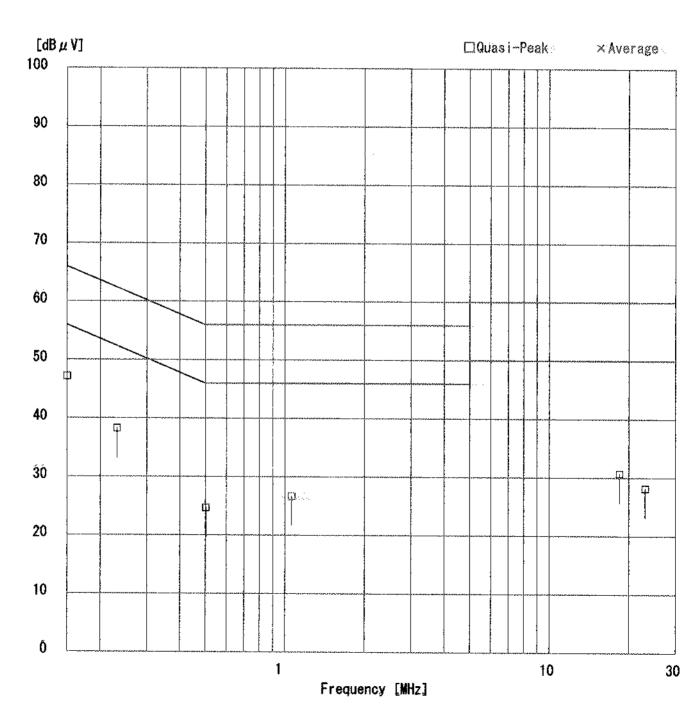
Phase

Single Phase 25 °C 51 %

Temperature Humidity

Regulation

FCC Part15 CLASS B (2003)



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd. YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Orion Electric Co., Ltd. DVD/VCR

Applicant : Kind of Equipment : Model No. :

DVD2100-C

Serial No.

Power Mode

AC120V/60Hz TV Reception+Rec (25dBm)

Remarks Date

6/29/2004

Phase Temperature Single Phase 25 C 51 %

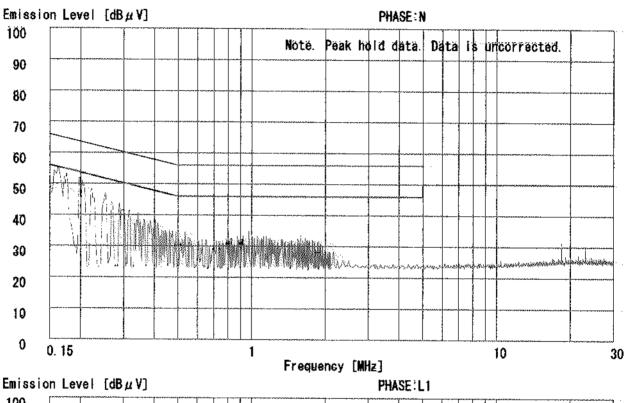
Engineer

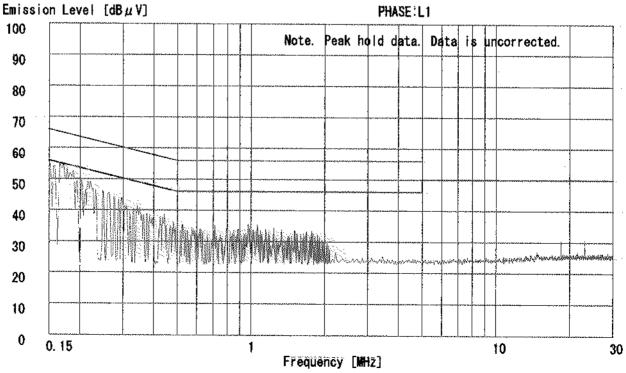
: Tsubasa Takayama

Humidity Regulation 1

FCC Part15 CLASS B(2003)

: None Regulation 2





Page 30

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant Kind of Equipment Model No. Orion Electric Co.,Ltd. DVD/VCR DVD2100-C

Serial No. Pewer

AC120V/60Hz VCR Playback

Mode Remarks

6/29/2004

Date Pháše

: Single Phase : 25 °C : 51 %

Engineer : Tsubasa Takayama

Temperature Humidity Regulation

: FCC Part15 CLASS B(2003)

No: FREQ. [MHz]	READING (N) QP AV [dB \(\mu\) V]	READING (L1 QP AV [dB μ V]	FACTOR LO	3] [dB]	QP [dB]	$ \begin{bmatrix} \mathrm{d} \mathrm{B} \mu \mathrm{V} \end{bmatrix} $	$egin{array}{ll} {\sf AV} & {\sf QP} \ [{\sf dB}\mu\ {\sf V}] \end{array}$	ARGIN AV [dB]
1. 0.1500 2. 0.2324 3. 0.5027 4. 1.2641 5. 13.2048 6. 28.6352	46.8 - 38.3 - 25.1 - 24.7 - 19.0 - 22.5 -	47. 2 - 38. 5 - 26. 4 - 23. 9 - 18. 4 - 22. 1 -	0.1 0 0.2 0 0.2 0 0.2 0 1.0 0 1.5 0	2 0.0 6 0.0 9 0.0	47. 4 38. 8 26. 8 25. 1 20. 6 24. 9	- 66.0 - 62.4 - 56.0 - 56.0 - 60.0	1 52. 4 23. 0 46. 0 29. 0 46. 0 30. 0 50. 0 39. 0 50. 0 35.	4 – 1 –

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

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

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant

Orion Electric Co.,Ltd. DVD/VCR DVD2100-C

Kind of Equipment Model No.

Serial No. Power Mode

AC120V/60Hz VCR Playback

Remarks Date

6/29/2004

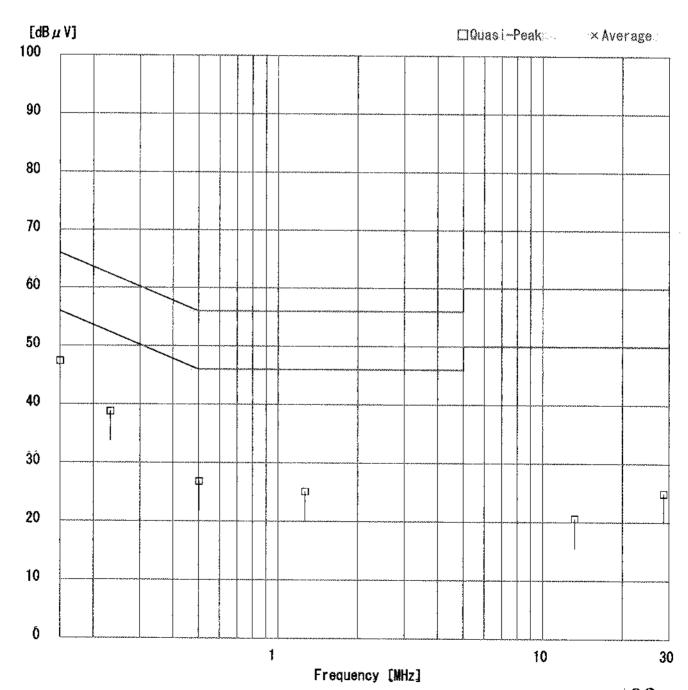
Phase

Temperature Humidity

: Single Phase : 25 °C : 51 %

Engineer : Tsubasa Takayama

: FCC Part15 CLASS B(2003) Regulation



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM

Report No.: 24KE0255-Y-1 Orion Electric Co., Ltd. DVD/VCR DVD2100-C

Applicant : Kind of Equipment : Model No. : Serial No.

Power AC120V/60Hz Mode VCR Playback

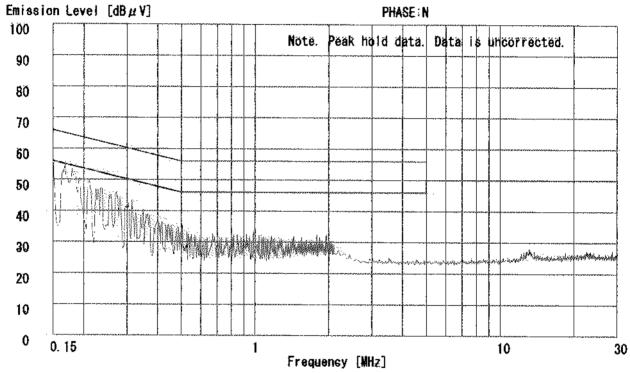
Remarks

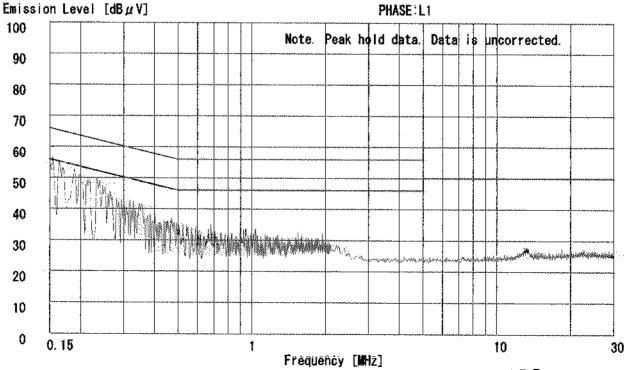
Date 6/29/2004 : Single Phase : 25 °C : 51 % Phase

Temperature Engineer : Tsubasa Takayama

Humidity FCC Part15 CLASS B (2003) Regulation 1

Regulation 2 : None





ÜL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Orion Electric Co., Ltd. DVD/VCR DVD2100-C

Applicant Kind of Equipment Model No.

Serial No.

Pewer AC120V/60Hz Mode : DVD Play Remarks

Date : 6/29/2004 Phase

: Single Phase : 25 °C : 51 % : FCC Part15 CLASS B(2003) Temperature Engineer : Tsubasa Takayama

Humidity Regulation

No:	FREQ.	READING (N QP AV [dB μ V]			CABLE LOSS [dB]	ATTEN.	RES QP [dB]	AV	LIM QP [µV]	ITS AV [dB)	MAR QP ¿V]	GIN AV [dB]
1. 2. 3.	0, 1500 0, 2330	46.7 - 42.3 -	00. D	0.2	0. 1 0. 1	0, 0 0, 0	47. 2 42. 6	- -	66. 0 62. 3	56. 0 52. 3	18, 8 19, 7	- -
3. 4. 5.	0.5021 1.0552 13.1847	26. 0 - 23. 3 - 23. 0 -	26, 3 - 23, 1 - 23, 3 -	0.2	0. 2 0. 2 0. 6	0.0	26. 7 23. 7	-	56. 0 56. 0	46. 0 46. 0	29. 3 32. 3	-
6.	28, 6359	23. 3	23. 1 -	1.5	0.9	0.0 0.0	24. 9 25. 7		60. 0 60. 0	50. 0 50. 0	35. l 34. 3	_ _ _

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

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

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Applicant Kind of Equipment Model No.

Serial No. Power Mode Remarks

Date Phāse Temperature Humidity

Regulation

Orion Electric Co., Ltd.

Orion Elec DVD/VCR DVD2100-C

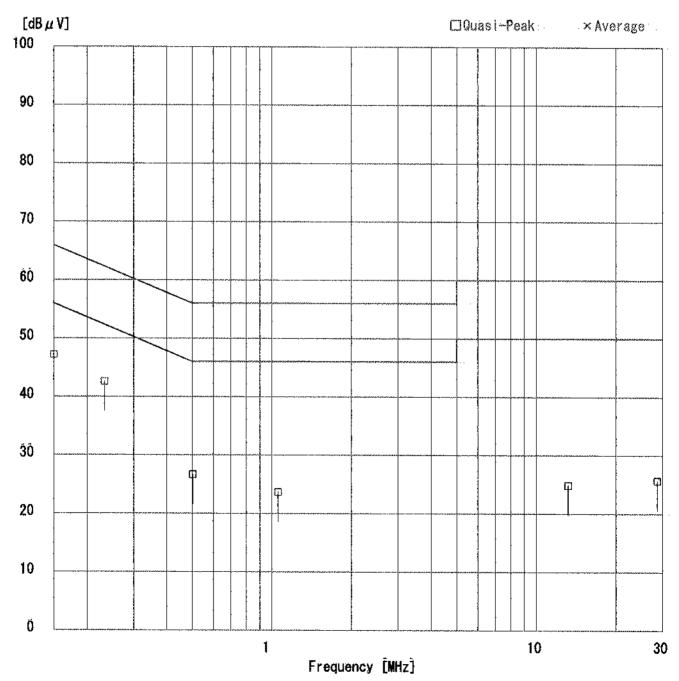
: AC120V/60Hz : DVD Play

6/29/2004 Single Phase 25 °C 51 %

: FCC Part15 CLASS B (2003)

Engineer

: Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD ROOM Report No.: 24KE0255-Y-1

Orion Electric Co., Ltd. DVD/VCR

Applicant : Kind of Equipment : Model No. :

DVD2100-C

Serial No.

Power

AC120V/60Hz DVD Play

Mode Remarks

Date

6/29/2004

Phase Temperature Single Phase 25 C

Humidity

51 %

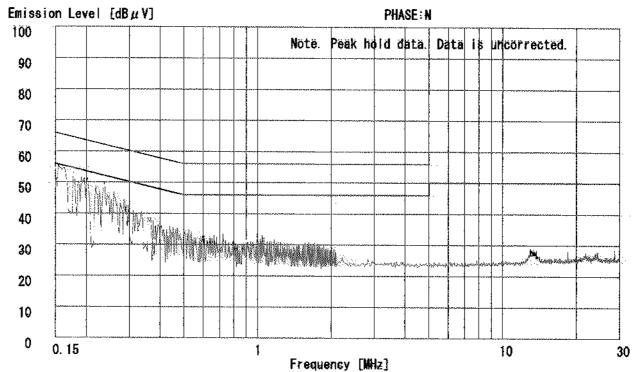
Engineer : Tsubasa Takayama

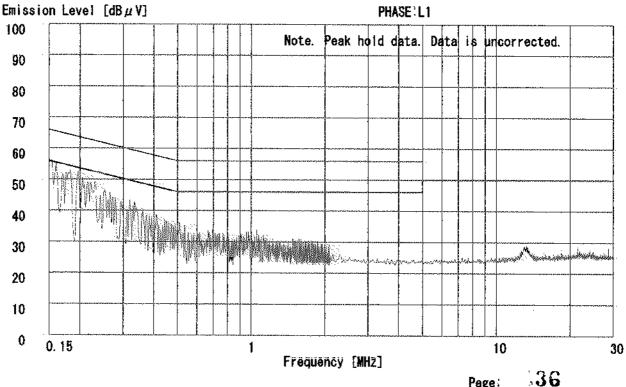
Page:

Regulation 1

FCC Part15 CLASS B (2003)

Regulation 2 : None





UL Apex Co., Ltd.

: 24KE0255-YW-I : FCC PART15 B

Yokowa EMC No.2 Open Test Site

COMPANY : Orion Electric Co., Ltd. REPORT No. EQUIPMENT : DVD/VCR REGULATION TEST DISTANCE

MODEL No. : DVD2100-C POWER : AC120V/60Hz

: 3m ATTENUATION : 101-847MHz 6dB DESCRIPTION : TV Reception 1030-1694MHz 0dB DATE

: June 26, 2004 : 27°C/42% TEMP/HUMID. ENGINEER : Tsubasa Takayama

		ment above IGHz, n			tector is	performed	only when	the result	of PK det	ector exce	ed the limit	Lof AV.				
CH.		READING(QP)	T		ANT	C.Factor		LT(QP)			LIMIT	1	MAR	SIN(OP)	Τ	
		HOR. VER.	1		TYPE		HOR.		l		[QP]	ľ	HOR.	VER.	į.	
<u> </u>	[MHz]	{dBuV]	<u> </u>		<u> </u>	[dBuV]		V/m)			[dBuV/m]	İ	l	dB)		
VHF																
2	101	26.1 28.2			BC	-11.0	15.1	17.2			43.5		28.4	26.3		-
	202	22.6 22.5			BC	-4.0	18.6	18.5			43.5		24,9	25.0		
	303				LO	-5.9		············			46.0			***************************************		
1	404] \			LO	-4.2	1 \				46.0		f ·			
	505				LO	-1.1	1 \				46,0					
	606				LO	0.9	1	\			46.0		. >	15.0		
ľ	707				LO	2.7	1				46,0		1			
	808				LO	4.2	1				46.0		i .			
	909			1	LO	5.8	1				46.0		1			
		READING(PK)	READIN	VG(AV)	ANT	C.Factor	RESU	J(PK)	RESU	T(AV)	LIMIT	LIMIT	MARO	IN(PK)	MARG	IN(AV)
		HOR. VER.		VER.	TYPE	`	HOR	VER.	HOR.	VER.	(PK)	[AV]	HOR.	VER.	HOR.	VER.
		[dBuV}	[dBu	ŸĽ		[dBuV]	(dBa	V/m[[dBu\	//m]	JdBuV/m]			(B)	[dB]	[4B]
	1010			***************************************	но	-12.0	$\overline{}$		<u> </u>		74,0	54.0			Translation and the second	
	1111				Ю	-11.4					74.0	54.0	i ·			
1	1212	. \	\		CH	-10,9] \				74.0	54.0	1			
1	1313	. \	`		НО	-10.4	\	\	`		74.0	54.0	` >2	27,0	>}	0.0
-	1434	l. \			НО	-9.8	1				74.0	54.0]			
1	1515				НО	-9.2	1				74.0	54.0	ľ			
	1616				HO	-8.3	L				74.0	54.0				
CH.	FREQ	READING(QP)			ANT	C.Factor	RESU				LIMIT			in(QP)		
		HOR. VER.			TYPE		HOR				[QP]		HOR.	VER.		
\vdash	[MHz]	[dBuV]				[dBuV]	[dBu	V/m)		1930an 1910an 1910an	[dBuV/m]			iBj		
3	107	25.9 25.9			BC	-10,0	15.9	15.9			43.5		27.6	27.6	<u> </u>	
1	214	22.8 22.7			BC	-3.8	19.0	18.9			43.5		24,5	24.6		
1	321				LO	-5.6					46.0					
	428	\			LO	-3.5					46,0					
	535 642		\rightarrow	_	<u>10</u>	-0.5	\				46.0					
	749				TO	1.5	`	\	$\overline{}$		46,0		. >	15.0		_
	856	· \			10	3.3 4.7	ļ.				46.0					
	963				Ю	7.8			$\overline{}$		46,0					
	 	READING(PK)	READD	WYAYA	ANT	C.Factor	RESUI	Transaction of	TO PORT OF THE PART OF THE PAR	JT(AV)	54,0	***		recomment		an and an and an
		HOR. VER.	HOR.	VER.	TYPE	Contactor.	HOR.	·//E	HOR.	VER.	LIMIT	LIMIT		IN(PK)		IN(AV)
	1	IdBuV]	(dBu)		1,1,1,1,12,	[dBuV]	[dBu		[dBoV		[PK] [dBuV/m]	[AV] [dBuV/m[HOR.	VER. IB}	HOR.	VER.
	1070			 	НО	-11.7	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		N	and secondary	74.0	54.0	<u> </u>		[dB]	[dB]
1	1177				HO	-11,I					74.0	54,0				
	1284		\ \		но	-10.5					74.0	54.0			1	
i	1391	· \	`		НО	-9.9	`	\	`		74.0	54.0	>2	7,0	>10	0.0
	1498				Ю	-9.4					74.0	54.0			Į	
	1605			\	НО	-8.4	ĺ.				74,0	54.0				
CH.	FREQ	READING(QP)			ANT	C.Factor	RESUI	J(QP)			LIMIT		MARC	IN(QP)		
		HOR. VER.	l		TYPE		HOR.	VER.		į	[QP]		HOR		1	
	[MHz]	[dBuV]	<u> </u>	******		(dBuV)		V/m]	F-200		[dBuV/m]			B]	I	
4	113	25,6 25.3			BC	-8.8	16,8	16.5			43.5		26,7	27.0		
1	226				BC	-3.7					46.0					-
	339				I.O.	-5.4					46.0					
	452				LO	-2,7					46.0		[
1	565				LO	0.0	. \	\			46.0		>;	15.0		
	678		i		10	2.2					46.0					
1						4.0					46.0					
	791				Ю											
1 .				\geq	LO	5.6					46.0					
	791	READING(PK)	READIN	(G(AV)	LO ANT		RESUI		RESUL		LIMIT	LIMIT	MARC	IN(PK)	MARG	IN(AV)
	791	HOR. VER.	HOR.	VER.	LO	5.6 C.Factor	HOR.	VER.	HOR.	VER.	LIMIT [PK]	[AV]	HOR.	VER.	MARG HOR.	IN(AV) VER.
	791 904		READIN HOR,	VER.	LO ANT TYPE	5.6 C.Factor [dBuV]	HOR.			VER.	LIMIT [PK] [dBuV/m]	[AV] [dBuV/m]		VER.		
	791 904 1017	HOR. VER.	HOR.	VER.	LO ANT TYPE HO	5.6 C.Factor (dBuV) -11.9	HOR.	VER.	HOR.	VER.	LIMIT [PK] [dBuV/m] 74.0	[AV] [dBuV/m] 54.0	HOR.	VER.	HOR.	VER.
	791 904 1017 1130	HOR. VER.	HOR.	VER.	ANT TYPE HO HO	5.6 C.Factor [dBuV] -11.9 -11.3	HOR.	VER.	HOR.	VER.	LIMIT [PK] [dBuV/ou] 74.0 74.0	[AV] [dBuV/m] 54.0 54.0	HOR.	VER.	HOR.	VER.
	791 904 1017 1130 1243	HOR. VER.	HOR.	VER.	ANT TYPE HO HO HO	5.6 C.Factor (dBuV) -11.9 -11.3 -10.7	HOR.	VER.	HOR.	VER.	LIMIT [PK] [dBuV/m) 74.0 74.0 74.0	[AV] [dBuV/m] 54.0 54.0 54.0	HOR.	VER. BJ	HOR.	VER. [dB]
	791 904 1017 1130 1243 1356	HOR. VER.	HOR.	VER.	I.O ANT TYPE HO HO HO	5.6 C.Factor (dBuV) -11.9 -11.3 -10.7 -10.1	HOR.	VER.	HOR.	VER.	LIMIT [PK] [dBuV/su] 74.0 74.0 74.0 74.0	[AV] [dBuV/m] 54.0 54.0 54.0 54.0	HOR.	VER.	HOR.	VER. [dB]
	791 904 1017 1130 1243	HOR. VER.	HOR.	VER.	ANT TYPE HO HO HO	5.6 C.Factor (dBuV) -11.9 -11.3 -10.7	HOR.	VER.	HOR.	VER.	LIMIT [PK] [dBuV/m) 74.0 74.0 74.0	[AV] [dBuV/m] 54.0 54.0 54.0	HOR.	VER. BJ	HOR.	VER. [dB]

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

COMPANY EQUIPMENT : Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C REPORT No. : 24KE0255-YW-1 REGULATION : FCC PART 15 B MODEL No. TEST DISTANCE

: 3m : 101-847MHz 6dB POWER : AC120V/60Hz ATTENUATION DESCRIPTION : TV Reception 1030-1694MHz 0dB DATE : June 26, 2004

TEMP./HUMID: ENGINEER : 27°C/42% : Tsubasa Takayama

*C,Fa For th		ment above 1GHz, m	easurement of AV de	dector is ne	eformed o	why when the result	of DV detector av	and the lie	nit of ASI		
CH.	FREO	READINNG(QP)	Cashiring of Av. de	ANT	C.Factor		of PK detector ext	LIMIT	DIOLAY.	MARGIN(QP)	" -
		HOR VER		TYPE	C.2 00,10,1	HOR. VER.		[QP]	ļ	HOR. VER.	
	[MHz]	[dBeV]		12	[dBaV]	[dBaV/m]		[dBuV/m]	l	[dB] (dB)	
VHF	- a regarding and passed	<u> </u>	<u> </u>	<u> </u>	<u> Ludinovilja</u>	<u> </u>	 	T	L	[[05] [05]	
5	123	27,1 27,3		BC	-7.5	19.6 19.8		43,5		23.9 23.7	
	246			BC	-3.5	1111		46.0		23.7	
	369	1 \		LO	-4,7			46.0			
	492			ιö	-1.5	· \		46.0		•	
	615			LO	0.9	\		46.0		>15.0	
	738			LO	3.2	· \		46,0			
	861			LO	5.0	· \		46.0			
	984			LO	8.5	· .		54.0			
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR, VER.	HOR. VER,	TYPE	ĺ	HOR VER.	HOR. VER	[PK]	[AV]	HOR. VER.	HOR. VER.
		(dBoV)	[dBuV]	<u>.J</u>	[dBeV]	idBuV/m]	[dBuV/m]	[dBaV/m]	[dBuV/m}	[dB] (dB]	[dB] [dB}
	1107			НО	-11,4			74.0	54.0		
	1230			НО	-10,8			74.0	54.0	•	
	1353			HO	-10.2			74.0	54.0	>27.0	>10.0
	1476	\	\ \	HO	-9.5	. \	\ \	74.0	54.0		
7111	1599			НО	-8.4			74.0	54.0		
CH.	FREQ	READINNG(QP)		ANT	C.Factor	RESULT(QP)	[LIMIT	[]	MARGIN(QP)	
		HOR VER.		TYPE	l	HOR. VER		[QP]	[HOR. VER,	!
اجا	[MFlz]	(dBeV)		 	[dBuV]	[dBoV/a)		[dBeV/m]	<u> </u>	[dB] (dB)	L
6	129	25.1 25.6		BC	-7.0	18.1 18.6		43.5		25,4 24.9	
	258	\		BC	-3,1			46.0			
	387 516	\		LO I	-4.4			46.0			
	645			LO LO	-1.0	. \		46,0		· >15.0	
	774			LO	1.5			46.0			
	903			LO	3,7 5.6			46.0			
	- 303	READINNG(PK)	READINNG(AV)	ANT	C.Factor	TOTAL TOTAL	0.0000000000000000000000000000000000000	46.0		The second secon	
		HOR. VER	HOR VER	TYPE	C.P.BOJOT	RESULT(PK) HOR VER	RESULT(AV) HOR VER	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		idBuV]	MB ₀ VI] '''E	[dBaV]	(dBuy/m)	HOR. VER. dBuV/m	[PK]	[AV] [dBaV/m)	HOR VER.	HOR. VER.
		MIN Y									
	1032			LIC		<u> </u>	lara Avet	[dBuV/m]		[dB] [dB]	(dB) (dB)
	1161			НО	-11.9		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	74.0	54,0	[15]	[dB] [dB]
	1161			НО	-11.9 -11.2		(asavvia)	74.0 74.0	54,0 54,0	[IIIS] <u>{ED</u>]	[dB] [dB]
				HO HO	-11.9 -11.2 -10.5		Jasaviai	74.0 74.0 74.0	54,0 54,0 54.0	>27,0	>10,0
	1161 1290			HO HO	-11.9 -11.2 -10.5 -9.8		[dest Viii]	74.0 74.0 74.0 74.0	54,0 54,0 54,0 54,0		
	1161 1290 1419			HO HO	-11.9 -11.2 -10.5		Innavail	74.0 74.0 74.0 74.0 74.0	54,0 54,0 54,0 54,0 54,0		
Сн.	1161 1290 1419 1548	READINING(DP)		НО НО НО НО	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7		Innavan	74.0 74.0 74.0 74.0 74.0 74.0	54,0 54,0 54,0 54,0	>27.0	
Сн.	1161 1290 1419 1548 1677	READINIG(OP) HOR. VER.		HO HO HO	-11.9 -11.2 -10.5 -9.8 -8.9	RESULT(OP)	Jacoby, and	74.0 74.0 74.0 74.0 74.0 74.0 LIMIT	54,0 54,0 54,0 54,0 54,0	>27.0 	
Сн.	1161 1290 1419 1548 1677			HO HO HO HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7		Jasayan	74.0 74.0 74.0 74.0 74.0 74.0 74.0 LIMIT [QP]	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER.	
СН. 7	1161 1290 1419 1548 1677 FREQ	HOR. VER.		HO HO HO HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor	RESULT(OP) HOR VER	Jasayan	74.0 74.0 74.0 74.0 74.0 74.0 LIMIT	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER. [dB] [dB]	
	1161 1290 1419 1548 1677 FREQ	HOR. VER.		HO HO HO HO HO TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor	RESULT(OP) HOR VER [dBeV/m]	Just Vin	74.0 74.0 74.0 74.0 74.0 74.0 74.0 LIMIT [QP]	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER.	
	1161 1290 1419 1548 1677 FREQ (MHz) 221 442 663	HOR. VER.		HO HO HO HO ANT TYPE BC LO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C. Factor [dBaV] -3.8 -3.1 1.9	RESULT(OP) HOR VER [dBeV/m]	Just Vin	74.0 74.0 74.0 74.0 74.0 74.0 11MIT [QP] [dBav/sa] 46.0	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER. [dB] [dB]	
	1161 1290 1419 1548 1677 FREQ (MHz) 221 442	HOR. VER. (dBaV) 22.5 22.7		HO HO HO HO ANT TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1	RESULT(QP) HOR VER [dBqV/m] 18.7 18.9		74.0 74.0 74.0 74.0 74.0 74.0 11MIT [QP] [dBay/sa] 46.0 46.0	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1	
	1161 1290 1419 1548 1677 FREQ (MHz) 221 442 663	HOR. VER. [68eV] 22.5 22.7 READINNG(PK)	MEADINING(AV)	HO HO HO HO ANT TYPE BC LO LO ANT	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C. Factor [dBaV] -3.8 -3.1 1.9	RESULT(OP) HOR VER [dBeV/m]	RESULT(AV)	74.0 74.0 74.0 74.0 74.0 74.0 74.0 LIMIT [QP] [dHaV/ha] 46.0 46.0	54,0 54,0 54,0 54,0 54,0	>27,0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1	
	1161 1290 1419 1548 1677 FREQ (MHz) 221 442 663	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR VER.		HO HO HO HO ANT TYPE BC LO LO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBs/V] -3.8 -3.1 1.9 5.5	RESULT(QP) HOR VER [dBqV/m] 18.7 18.9		74.0 74.0 74.0 74.0 74.0 74.0 74.0 11MIT [QHaV/sa] 46.0 46.0 46.0	54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0	>10.0
	1161 1290 1419 1548 1677 FREQ [Mb] 221 442 663 884	HOR. VER. [68eV] 22.5 22.7 READINNG(PK)	MEADINING(AV)	HO HO HO HO ANT TYPE BC LO LO ANT TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBs/V] -3.8 -3.1 1.9 5.5	RESULT(QP) HOR VER dBaVin 18.7 18.9	RESULT(AV)	74.0 74.0 74.0 74.0 74.0 74.0 LIMIT [QP] [dHaV/ba] 46.0 46.0 46.0 LIMIT	54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR. VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK)	>10,0
	1161 1290 1419 1548 1677 FREQ [Mbc] 221 442 663 884	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR VER.	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1 1.9 5.5 C.Factor [dBaV] -11.5	RESULT(OP) HOR YER [dBaV/m] 18.7 18.9 RESULT(PK) HOR YER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 10 10 10 10 10 10 10 10 10 10 10 10 10 1	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER.	>10,0 MARGIN(AV) HOR. VER.
	1161 1290 1419 1548 1677 FREQ [Mbc] 221 442 663 884 1105 1326	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR VER.	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3	RESULT(OP) HOR YER [dBaV/m] 18.7 18.9 RESULT(PK) HOR YER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER.	>10,0 MARGIN(AV) HOR. VER.
7	1161 1290 1419 1548 1677 FREQ [MHz] 221 442 663 884	HOR. VER. (dBaV)	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1 1.9 5.5 C.Factor [dBaV] -10.3 -8.9	RESULT(OP) HOR VER [dBeV/m] 18.7 18.9 RESULT(PK) HOR VER [dBeV/m]	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB]	>10,0 MARGIN(AV) HOR. VER.
	1161 1290 1419 1548 1677 FREQ [Mbc] 221 442 663 884 1105 1326	HOR. VER. @BeV 22.5 22.7 READINNG(PK) HOR. VER.	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO HO ANT	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3	RESULT(QP) HOR VER [dBeV/m] 18.7 18.9 RESULT(PK) HOR VER [dB=V/m]	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP)	>10,0 MARGIN(AV) HOR. VER.
7	1161 1290 1419 1548 1677 FREQ [Mbr] 221 442 663 884 1105 1326 1547 FREQ	HOR. VER. @BeV 22.5 22.7 READINNG(PK) HOR. VER.	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C. Factor [dBaV] -3.8 -3.1 1.9 5.5 C. Factor (dBaV] -11.5 -10.3 -8.9 C. Factor	RESULT(OP) HOR VER [dBeV/m] RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0	>10,0 MARGIN(AV) HOR. VER.
7 CH.	1161 1290 1419 1548 1677 FREQ [Mb] 221 442 663 884 1105 1326 1547 FREQ [Mb]	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR. VER. dBeV READINNG(OP) HOR. VER. dBeV	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO ANT TYPE	-11.9 -11.2 -10.5 -8.9 -7.7 C.Factor [dBsV] -3.8 -3.1 1.9 5.5 C.Factor [dBsV] -11.5 -10.3 -8.9 C.Factor	RESULT(OP) HOR VER GEOVINI 18.7 18.9 RESULT(PK) HOR VER GEOVINE RESULT(OP) HOR VER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP)	>10,0 MARGIN(AV) HOR. VER.
7	1161 1290 1419 1548 1677 FREQ (Mbc) 221 442 663 884 1105 1326 1547 FREQ (Mbc) 227	HOR. VER. @BeV 22.5 22.7 READINNG(PK) HOR. VER.	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO ANT TYPE HO HO HO BO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [aBaV] -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -3.7	RESULT(OP) HOR VER [dBeV/m] RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR. VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER.	>10,0 MARGIN(AV) HOR. VER.
7 CH.	1161 1290 1419 1548 1677 FREQ (Mbr) 221 442 663 884 1105 1326 1547 FREQ (Mbr) 227 454	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR. VER. dBeV READINNG(OP) HOR. VER. dBeV	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO LO ANT TYPE HO HO HO ANT TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor	RESULT(OP) HOR VER GEOVINI 18.7 18.9 RESULT(PK) HOR VER GEOVINE RESULT(OP) HOR VER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 26.6 26.4	>10,0 MARGIN(AV) HOR. VER.
7 CH.	1161 1290 1419 1548 1677 FREQ 221 442 663 884 1105 1326 1547 FREQ MILA 227 454 681	HOR. VER. dBeV 22.5 22.7 READINNG(PK) HOR. VER. dBeV READINNG(OP) HOR. VER. dBeV	READINIG(AV) HOR. VER	HO HO HO HO ANT TYPE BC LO ANT TYPE HO HO ANT TYPE HO LO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -2.6 -2.2	RESULT(OP) HOR VER GEOVINI 18.7 18.9 RESULT(PK) HOR VER GEOVINE RESULT(OP) HOR VER	RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 14.0 74.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	54.0 54.0 54.0 54.0 54.0 54.0 54.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB]	>10,0 MARGIN(AV) HOR. VER.
7 CH.	1161 1290 1419 1548 1677 FREQ (MHz] 221 442 663 884 1105 1326 1547 FREQ (MHz] 227 454	HOR. VER. (dBaV) 22.5 22.7 READINNG(PK) HOR. VER. JdBaV READINNG(QP) HOR. VER. (dBaV) 23.1 23.3	READINIG(AV) HOR. VER [dBaV]	HO H	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1 1.9 5.5 C.Factor [dBaV] -11.3 -8.9 C.Factor [dBaV] -3.7 -2.6 2.2 5.8	RESULT(QP) HOR VER [dBeV/m] 18.7 18.9 RESULT(PK) HOR VER [dBeV/m] RESULT(QP) HOR VER. [dBeV/m] 19.4 19.6	RESULT(AV) HOR VER [dByVin]	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 26.6 26.4 >15.0	>10,0 MARGIN(AV) HOR. VER. 681 [dB] >10.0
7 CH.	1161 1290 1419 1548 1677 FREQ 221 442 663 884 1105 1326 1547 FREQ MILA 227 454 681	HOR. VER. (dBaV) 22.5 22.7 READINNG(PK) HOR. VER. READINNG(QP) HOR. VER. (dBaV) 23.1 23.3	READINING(AV) HOR VER [dBaV]	HO H	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.8 -3.1 1.9 5.5 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -2.6 -2.2	RESULT(OP) HOR VER [dBeV/m] RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER [dBeV/m] RESULT(OP) ROB V [DP] RESULT(OP) ROB V [DP] ROB V [DP] RESULT(OP) ROB V [DP] ROB V [DP] RESULT(OP)	RESULT(AV) HOR VER [GB/Vin]	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR. VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 26.6 26.4 >15.0 MARGIN(PK)	>10,0 MARGIN(AV) HOR. VER. 1681 [4B] >10.0
7 CH.	1161 1290 1419 1548 1677 FREQ 221 442 663 884 1105 1326 1547 FREQ MILA 227 454 681	HOR. VER. (dBeV) 22.5 22.7 READINNG(PK) HOR. VER. READINNG(OP) HOR. VER. (dBeV) 23.1 23.3 READINNG(PK) HOR. VER.	READINING(AV) HOR. VER	HO H	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -3.7 -2.6 2.2 5.8 C.Factor	RESULT(OP) HOR VER desy/m 18.7 18.9 RESULT(PK) HOR VER dfls-V/ss RESULT(OP) HOR VER dfls-V/ss 19.4 19.6 RESULT(PK) HOR VER	RESULT(AV) HOR VER [GB/V/m] RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] (dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR VER. [dB] [dB] 26.6 26.4 >15.0 MARGIN(PK) HOR VER.	MARGIN(AV) HOR. VER. MARGIN(AV) HOR. VER.
7 CH.	1161 1290 1419 1548 1677 FREQ (MHz) 221 442 663 884 1105 1326 1547 FREQ (MHz) 227 454 681 908	HOR. VER. (dBaV) 22.5 22.7 READINNG(PK) HOR. VER. READINNG(QP) HOR. VER. (dBaV) 23.1 23.3	READINING(AV) HOR VER [dBaV]	HO HO HO HO HO ANT TYPE BC LO LO HO HO ANT TYPE HO HO ANT TYPE LO ANT TYPE ANT TYPE ANT TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -3.7 -2.6 2.2 5.8 C.Factor	RESULT(OP) HOR VER [dBeV/m] RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER [dBeV/m] RESULT(OP) ROB V [DP] RESULT(OP) ROB V [DP] ROB V [DP] RESULT(OP) ROB V [DP] ROB V [DP] RESULT(OP)	RESULT(AV) HOR VER [GB/Vin]	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR. VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 26.6 26.4 >15.0 MARGIN(PK)	>10.0 MARGIN(AV) HOR. VER. 68 [4B] >10.0
7 CH.	1161 1290 1419 1548 1677 FREQ (MHz] 221 442 4663 884 1105 1326 1547 FREQ (MHz] 221 442 4681 908	HOR. VER. (dBeV) 22.5 22.7 READINNG(PK) HOR. VER. READINNG(OP) HOR. VER. (dBeV) 23.1 23.3 READINNG(PK) HOR. VER.	READINING(AV) HOR. VER	HO HO HO HO HO HO ANT TYPE BC LO LO HO HO ANT TYPE HO	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -3.1 -1.9 -5.5 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -2.6 -2.2 -3.8 C.Factor	RESULT(OP) HOR VER desy/m 18.7 18.9 RESULT(PK) HOR VER dfls-V/ss RESULT(OP) HOR VER dfls-V/ss 19.4 19.6 RESULT(PK) HOR VER	RESULT(AV) HOR VER [GB/V/m] RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] [dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] (dB] 26.6 26.4 >15.0 MARGIN(PK) HOR. VER. [dB] (dB]	MARGIN(AV) HOR. VER. MSSI [BB] >10.0 MARGIN(AV) HOR VER. [MSSI [BB] [MSSI [BB]
7 CH.	1161 1290 1419 1548 1677 FREQ (MHz) 221 442 663 884 1105 1326 1547 FREQ (MHz) 227 454 681 908	HOR. VER. (dBeV) 22.5 22.7 READINNG(PK) HOR. VER. READINNG(OP) HOR. VER. (dBeV) 23.1 23.3 READINNG(PK) HOR. VER.	READINING(AV) HOR. VER	HO HO HO HO HO ANT TYPE BC LO LO HO HO ANT TYPE HO HO ANT TYPE LO ANT TYPE ANT TYPE ANT TYPE	-11.9 -11.2 -10.5 -9.8 -8.9 -7.7 C.Factor [dBaV] -11.5 -10.3 -8.9 C.Factor [dBaV] -3.7 -2.6 2.2 5.8 C.Factor	RESULT(OP) HOR VER desy/m 18.7 18.9 RESULT(PK) HOR VER dfls-V/ss RESULT(OP) HOR VER dfls-V/ss 19.4 19.6 RESULT(PK) HOR VER	RESULT(AV) HOR VER [GB/V/m] RESULT(AV) HOR VER	74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	>27.0 MARGIN(QP) HOR VER. [dB] (dB] 27.3 27.1 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR VER. [dB] [dB] 26.6 26.4 >15.0 MARGIN(PK) HOR VER.	MARGIN(AV) HOR. VER. MARGIN(AV) HOR. VER.

UL Apex Co., Ltd.

Yokowa EMC No.2 Open Test Site

COMPANY EQUIPMENT MODEL No.

DESCRIPTION

POWER

: Orion Electric Co., Ltd.

: DVD/VCR

: DVD2100-C : AC120V/60Hz : TV Reception

REPORT No. REGULATION : 24KE0255-YW-1 : FCC PART15 B

TEST DISTANCE : 3m ATTENUATION

101-847MHz 6dB 1030-1694MHz 0dB

DATE : June 26, 2004 TEMP./HUMID. : 27°C/42% ENGINEER : Tsubasa Takayama

*C.Fa	e measure	ment above 1GHz, me	asurement o	of AV dete	ector is nea	rformed on	ly when the result o	of PK detector exces	d the limit	of AV		
CH.	FREQ	READINNG(QP)			ANT	C.Factor		TITE GOLDSON CACCO	LIMIT	<u> </u>	MARGIN(QP)	1
		HOR. VER.			TYPE		HOR. VER.	:	[QP]		HOR. VER.	
Sukerias	[MHz]	[dBuV]				[dBuV]	[dBe/V/m]		[dBuV/m]		(dB) {dB]	i
VHF									T			Ī .
9	233	25.1 24.5			BC	-3.6	21.5 20,9		46,0		24.5 25,1	
	466				LO	-2.3			46.0			
	699				LO	2.6			46,0		>15.0	
ł	932				LO	6,7			46.0		<u> </u>	
l		READINNG(PK)	READIN		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.
	ــــــــــــــــــــــــــــــــــــــ	[dBuV]	[dBuV	<u>1</u>	1	dBuV	[dBuV/m]	[dBuV/m]	[dBuV/mt	[dBuV/m]	(dB) (dB)	[dB] [dB]
	1165				НО	-11.2			74.0	54.0		
	1398 1631		`		HO	-9,9			74.0	54,0	>27.0	>10,0
CH.	FREQ	READINNG(QP)			НО	-8,1			74.0	54,0		
CII.	PKEQ	HOR. VER.			ANT TYPE	C.Factor	RESULT(QP)	}	LIMIT		MARGIN(QP)]
	[MHz]	IdBuVi	ŀ		1.1.72	" [dBúV]"	HOR, VER.	••	[QP]	l i	HOR. VER.	1
10	239	24.3 24.5	r		BC	-3.5			[dBuV/m]		[dB] [dB]	
``	478	7.5			10	-2.0	20.8 21.0		46.0 46.0		25.2 25.0	
	717				10	2.8			46.0		>15.0	
	956				LO	7.5			46,0		- 15.0	
		READINNG(PK)	READINI	NG(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]	[dBoV/m]	[418] [418]	[dB] [dB)
	1195				НО	-11.1			74.0	54.0	vitirali tatifonica in terredo de Co	
	1434			_	но	-9.8			74,0	54.0	>27.0	>10.0
	1673				HO	-7.8			74,0	54.0		
CH.	FREQ	READINNG(QP)	.,,,		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
		HOR. VER.			TYPE]	HOR. VER.		[QP]		HOR. VER.]
	[MHz]	[dBuV]		***********	1	[dBuV]	[dBuV/m]		[dBuV/m]		[dB] [dB]	1
11	245	25.2 24.3	_		BC	-3.5	21.7 20.8		46.0	1	24.3 25.2	
							21.7 20.6				24,3 23.2	
1 !	490			\leq	LO	-1.5	21.7 20.8		46.0		· · · · · · · · · · · · · · · · · · ·	
	735				LO LO	-1.5 3.2	207 20.8		46.0 46.0		>15.0	
		85.00000000000			LO LO LO	-1.5 3.2 8.4			46.0 46.0 54.0	M	>15.0	
	735	READINIG(PK)	READINI		LO LO LO ANT	-1.5 3.2	RESULT(PK)	RESULT(AV)	46.0 46.0 54.0 LIMIT		>15.0 MARGIN(PK)	MARGIN(AV)
	735	HOR. VER.	HOR.	VER.	LO LO LO	-1.5 3.2 8.4 C.Factor	RESULT(PK) HOR. VER	HOR, VER.	46.0 46.0 54.0 LIMIT [PK]	[AV]	>15.0 MARGIN(PK) HOR. VER.	HOR, VER.
	735 980	, , , , ,		VER.	LO LO LO ANT TYPE	-1.5 3.2 8.4 C.Factor [dBuV]	RESULT(PK)		46.0 46.0 54.0 LIMIT [PK] [dHoV/m]	[AV] [dBuV/m]	>15.0 MARGIN(PK)	
	735 980 1225	HOR. VER.	HOR.	VER.	LO LO LO ANT TYPE	-1.5 3.2 8.4 C.Factor [dBuV] -10.8	RESULT(PK) HOR. VER	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBuV/m] 74.0	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER.	HOR, VER.
CH	735 980	HOR. VER.	HOR.	VER.	LO LO LO ANT TYPE HO	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5	RESULT(PK) HOR. VER. [dfsv/m]	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBaV/m] 74.0 74.0	[AV] [dBuV/m]	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0	HOR, VER.
СН	735 980 1225 1470	HOR. VER.	HOR.	VER.	LO LO LO ANT TYPE HO HO	-1.5 3.2 8.4 C.Factor [dBuV] -10.8	RESULT(PK) HOR VER [dBeV/m] RESULT(QP)	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBaV/m] 74.0 74.0 LIMIT	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR VER [dB] [dB] >27.0 MARGIN(QP)	HOR, VER.
СН	735 980 1225 1470	HOR. VER. [dBuV] READINNG(QP)	HOR.	VER.	LO LO LO ANT TYPE HO	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5	RESULT(PK) HOR. VER. [dbsv/m] RESULT(QP) HOR. VER.	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBuV/m] 74.0 74.0 LIMIT [QP]	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER.	HOR, VER.
CH.	735 980 1225 1470 FREQ	HOR. VER. [dBuV] READINNG(QP) HOR. VER.	HOR.	VER.	LO LO LO ANT TYPE HO HO	-1.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor	RESULT(PK) HOR VER [dBeV/m] RESULT(QP)	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBoV/m] 74.0 74.0 LIMIT [OP] [dBoV/m]	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB]	HOR, VER.
	735 980 1225 1470 FREQ [MHz] 251 502	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV]	HOR.	VER.	LO LO ANT TYPE HO HO ANT TYPE	-1.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBsV/m] RESULT(QP) HOR VER. [dBsV/m]	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBuV/m] 74.0 74.0 LIMIT [QP]	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] (dB] 25.1 26.3	HOR, VER.
	735 980 1225 1470 FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2	HOR. dBa√V	VER.	LO LO LO ANT TYPE HO HO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER [dBaV/m] 20.9 19.7	HOR, VER.	46.0 46.0 54.0 LIMIT [PK] [dBoV/m] 74.0 74.0 LIMIT [QP] [dBoV/m]	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB]	HOR, VER.
	735 980 1225 1470 FREQ [MHz] 251 502	READINNG(QF) HOR. VER. [dBuV] READINNG(QF) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK)	HOR. (dBuV)	VER.	LO LO ANT TYPE HO HO ANT TYPE BC LO ANT	-J.5 3.2 8.4 C.Factor [dBeV] -J.0.8 -9.5 C.Factor [dBeV] -3.5 -1.2	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER [dBaV/m] 20.9 19.7	HOR. VER. [dBuV/m] RESULT(AV)	46.0 46.0 54.0 LIMIT [PK] [dbuVm] 74.0 74.0 LIMIT [QP] [dBuVm] 46.0	[AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] (dB] 25.1 26.3	HOR, VER.
	735 980 1225 1470 FREQ [MHz] 251 502	READINNG(QP) HOR. VER. dBuV 24.4 23.2 READINNG(PK) HOR. VER.	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER RESULT(PK) HOR VER	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT. [PK] [dBoV/m] 74.0 74.0 LIMIT. [QP] (dBoV/m) 46.0 46.0 LIMIT. [PK]	[AV] [dBuV/m] 54.0 54.0 LIMIT [AV]	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 [26.3 >15.0 MARGIN(PK) HOR. VER.	HOR. VER. dB dB >10,0
	735 980 1225 1470 FREQ [MHz] 251 502 753	READINNG(QF) HOR. VER. [dBuV] READINNG(QF) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK)	HOR. IdBuV READINI HOR.	VER.	LO LO ANT TYPE HO ANT TYPE BC LO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER [dBaV/m] 20.9 19.7	HOR. VER. [dBuV/m] RESULT(AV)	46.0 46.0 54.0 LIMIT. [PK] [dBoV/m] 74.0 74.0 LIMIT. [QP] (dBoV/m) 46.0 46.0 LIMIT. [PK]	[AV] [dBuV/m] 54.0 54.0	>15.0 MARGIN(PK) HOR. VER [dB] [dB] >27.0 MARGIN(QP) HOR. VER [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER	HOR. VER. dB dB >10,0
	735 980 1225 1470 FREQ [MHz] 251 502 753	READINNG(QP) HOR. VER. dBuV 24.4 23.2 READINNG(PK) HOR. VER.	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO	-J.5 3.2 8.4 C.Factor IdBuVJ -J0.8 -9.5 C.Factor IdBuVJ -3.5 -1.2 3.5 C.Factor IdBuVJ -12.0	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER RESULT(PK) HOR VER	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] [PK] 74.0 74.0 LIMIT [QP] (480V/m) 46.0 46.0 46.0 LIMIT [PK] [dBuV/m]	[AV] [dBuV/m] 54.0 54.0 LIMIT [AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB]	HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER. dB dB
	735 980 1225 1470 FREQ [MHz] 251 502 753	READINNG(QP) HOR. VER. dBuV 24.4 23.2 READINNG(PK) HOR. VER.	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO ANT TYPE HO HO HO HO	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor [dBuV] -12.0 -10.6	RESULT(PK) HOR VER [dBaV/m] RESULT(QP) HOR VER RESULT(PK) HOR VER	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] 74.0 LIMIT [QP] [dBuV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m]	[AV] [dbuV/rii] 54.0 54.0 LIMIT [AV] [dbuV/mi] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER [dB] [dB] >27.0 MARGIN(QP) HOR. VER [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER	HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER.
12	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506	READINNG(PF) HOR. VER. dBuV 24.4 23.2 READINNG(PK) HOR. VER. dBuV	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO HO HO	-J.5 3.2 8.4 C.Factor [dBeV] -10.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 C.Factor [dBeV] -12.0 -10.6 -9.3	RESULT(OP) HOR VER [dBsV/m] RESULT(OP) HOR VER [dBsV/m] 20.9 19.7 RESULT(PK) HOR VER [dBsV/m]	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] 74.0 74.0 14.0 74.0 14.0 46.0 46.0 46.0 46.0 1.JMIT [PK] [dBuV/m] 74.0 74.0 74.0 74.0	[AV] [dBuV/m] 54.0 54.0 LIMIT [AV] [dBuV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]
	735 980 1225 1470 FREQ [MHz] 251 502 753	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] READINNG(PK) HOR. VER. [dBuV] READINNG(QP)	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor [dBuV] -12.0 -10.6	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(PK) HOR VER [dBuV/m]	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT. [PK] [dbaV/m] 74.0 74.0 14.0 14.0 46.0 46.0 46.0 LIMIT. [PK] [dbaV/m] 74.0 74.0 74.0 74.0 74.0	[AV] [dbuV/rii] 54.0 54.0 LIMIT [AV] [dbuV/mi] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) MARGIN(QP)	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]
12	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ	HOR. VER. [dBuV] READINNG(QF) HOR. VER. [dBuV] READINNG(PK) HOR. VER. [dBuV] READINNG(QF) HOR. VER.	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO HO HO	-J.5 3.2 8.4 C.Factor [dBeV] -10.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 C.Factor [dBeV] -12.0 -10.6 -9.3 C.Factor	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(PK) HOR VER [dBuV/m] RESULT(OP)	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT. [PK] [dhoV/m] 74.0 14.0 LIMIT. [QP] 46.0 46.0 46.0 LIMIT. [PK] [dbivV/m] 74.0 74.0 74.0 74.0 74.0	[AV] [dbuV/rii] 54.0 54.0 LIMIT [AV] [dbuV/mi] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER.	HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER. dB dB
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz]	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV]	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO ANT TYPE HO HO HO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor [dBuV] -10.6 -9.3 C.Factor	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(PK) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT. [PK] [dhoV/m] 74.0 14.0 14.0 46.0 46.0 46.0 46.0 LIMIT. [PK] [dbivV/m] 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	[AV] [dbuy/m] 54.0 54.0 LIMIT [AV] [dbuy/m] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER [dB] [dB] >27.0 MARGIN(QP) HOR. VER [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB]	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]
12	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257	HOR. VER. [dBuV] READINNG(QF) HOR. VER. [dBuV] READINNG(PK) HOR. VER. [dBuV] READINNG(QF) HOR. VER.	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO ANT TYPE HO HO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 C.Factor [dBuV] -10.6 -9.3 C.Factor [dBuV] -3.1	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(PK) HOR VER [dBuV/m] RESULT(OP)	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT. [PK] [disv/m] 74.0 74.0 140.0 46.0 46.0 46.0 LIMIT. [PK] (dBiv/m] 74.0 74.0 74.0 100.0 10	[AV] [dbuy/m] 54.0 54.0 LIMIT [AV] [dbuy/m] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER.	HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER. dB dB
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV]	HOR. IdBuV READINI HOR.	VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO ANT TYPE HO HO ANT TYPE LO LO LO ANT TYPE LO	-J.5 3.2 8.4 C.Factor [dBeV] -J0.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 -1.2 -10.6 -9.3 C.Factor [dBeV] -3.1 -1.0	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(PK) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] [PK] 74.0 74.0 LIMIT [OP] (dBuV/m) 46.0 46.0 LIMIT [PK] (dBiv/m) 74.0 74.0 LIMIT [OP] (dBiv/m) 46.0 LIMIT [OP] (dBiv/m) 74.0 74.0 74.0 74.0 1LIMIT [OP] (dBuV/m) 46.0 46.0	[AV] [dbuy/m] 54.0 54.0 LIMIT [AV] [dbuy/m] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR. VER [dB] [dB] >27.0 MARGIN(QP) HOR. VER [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB]	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257	HOR. VER. [dBuV] READINNG(OP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(OP) HOR. VER. [dBuV] 26.1 26.4	HOR. [dBuV] READIN) HOR. [dBuV]	VER.	LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO ANT TYPE LO	-J.5 3.2 8.4 C.Factor IdBuVJ -J0.8 -9.5 C.Factor IdBuVJ -3.5 -1.2 3.5 -1.2 3.5 C.Factor IdBuVJ -10.6 -9.3 C.Factor IdBuVJ -3.1 -1.0 3.7	RESULT(OP) HOR VER [dBaV/m] 20.9 19.7 RESULT(OP) HOR VER [dBuV/m] [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m]	46.0 46.0 54.0 LIMIT [PK] [PK] 74.0 74.0 146.0 46.0 46.0 1LIMIT [OP] (dBuV/m) 74.0 74.0 THE (DP) (dBuV/m) 46.0 46.0 46.0 46.0 46.0 46.0	[AV] [dBuV/rii] 54.0 54.0 LIMIT [AV] [dBuV/m] 54.0 54.0 54.0	>15.0 MARGIN(PK) HOR VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] >27.0	MARGIN(AV) HOR. VER. [dB] dB] >10.0
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] READINNG(QP) READING(QP) READINNG(QP)	READINI HOR. IdBuY	VER. NG(AV) VER.	LO LO ANT TYPE HO HO ANT TYPE BC LO HO ANT TYPE LO LO ANT TYPE LO LO ANT TYPE LO LO LO ANT TYPE LO LO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBeV] -J0.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 -1.2 -10.6 -9.3 C.Factor [dBeV] -3.1 -1.0	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) RESULT(OP) RESULT(OP) RESULT(OP) RESULT(OP)	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m] RESULT(AV)	46.0 46.0 54.0 LIMIT [PK] 74.0 LIMIT [QP] 480V/m] 46.0 46.0 46.0 1.JMIT [PK] [dBuV/m] 74.0 74.0 1.JMIT [PK] [dBuV/m] 46.0 46.0 46.0 1.JMIT [QP] 1.JMIT	[AV] [dBuV/rii] 54.0 54.0 LIMIT [AV] [dBuV/m] 54.0 54.0 54.0 LIMIT	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 23.0 22.7 >15.0 MARGIN(PK)	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB] >10.0
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] READINNG(QP) READING(QP) READINNG(QP)	HOR. [dBuV] READIN) HOR. [dBuV]	VER. NG(AV) VER. NG(AV) VER.	LO LO ANT TYPE HO HO ANT TYPE BC LO LO ANT TYPE HO HO ANT TYPE LO	-J.5 3.2 8.4 C.Factor [dBuV] -10.8 -9.5 C.Factor [dBuV] -3.5 -1.2 3.5 -1.2 3.5 C.Factor [dBuV] -10.6 -9.3 C.Factor [dBuV] -3.1 -1.0 3.7 C.Factor	RESULT(OP) HOR VER [dfbsV/m] 20.9 19.7 RESULT(OP) HOR VER [dfbsV/m] RESULT(OP) HOR VER [dfbsV/m] 23.0 23.3	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] 74.0 LIMIT [QP] [dBuV/m] 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T	[AV] [dBaV/ro] 54.0 54.0 LIMIT [AV] LIMIT [AV]	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 23.0 22.7 >15.0 MARGIN(PK) HOR. VER.	HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER. dB dB >10,0 MARGIN(AV) HOR. VER.
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 26.1 26.4 READINNG(PK) HOR. VER.	READINI HOR.	VER. NG(AV) VER. NG(AV) VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO ANT TYPE HO HO ANT TYPE CO ANT TYPE LO ANT TYPE CO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBeV] -10.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 C.Factor [dBeV] -12.0 -10.6 -9.3 C.Factor [dBeV] -3.7 C.Factor	RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] RESULT(OP) RESULT(OP) RESULT(OP) RESULT(OP) RESULT(OP)	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m] RESULT(AV)	46.0 46.0 54.0 LIMIT [PK] [dBaV/m] 74.0 LIMIT [QP] [dBaV/m] 46.0 46.0 LIMIT [PK] [dBaV/m] 74.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T	[AV] [dBaV/ro] 54.0 54.0 LIMIT. [AV] 54.0 54.0 54.0 54.0 54.0 LIMIT. [AV] [dBaV/ro]	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 23.0 22.7 >15.0 MARGIN(PK)	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB] >10.0
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514 771	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 26.1 26.4 READINNG(PK) HOR. VER.	READINI HOR.	VER. NG(AV) VER. NG(AV) VER.	LO LO ANT TYPE HO HO ANT TYPE BC LO HO ANT TYPE LO LO ANT TYPE LO LO ANT TYPE LO LO LO ANT TYPE LO LO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBeV] -10.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 C.Factor [dBeV] -12.0 -10.6 -9.3 C.Factor [dBeV] -3.1 -1.0 3.7 C.Factor [dBeV] -11.9	RESULT(OP) HOR VER [dfbsV/m] 20.9 19.7 RESULT(OP) HOR VER [dfbsV/m] RESULT(OP) HOR VER [dfbsV/m] 23.0 23.3	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] [dbaV/m] 74.0 74.0 146.0 46.0 46.0 46.0 1JMIT [PK] [dbaV/m] 74.0 74.0 74.0 74.0 74.0 1LIMIT [CP] [dbaV/m] 46.0 46.0 LIMIT [CP] [dbaV/m] 46.0 46.0 LIMIT [CP] [dbaV/m] 46.0 46.0 LIMIT [CP] [dbaV/m] 74.0 74.0 10 10 10 10 10 10 10 10 10 10 10 10 10	[AV] [dBaV/ro] 54.0 54.0 LIMIT [AV] [dBaV/m] 54.0 LIMIT [AV] [dBaV/m] 54.0 LIMIT [AV] [dBaV/m] 54.0	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 23.0 22.7 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] 23.0 22.7	HOR. VER. dB (dB) >10.0 MARGIN(AV) HOR. VER. dB (dB) >10.0 MARGIN(AV) HOR. VER. dB (dB) (dB) (dB) (dB) (dB) (dB) (dB) (dB)
I2 CH.	735 980 1225 1470 FREQ [MHz] 251 502 753 1004 1255 1506 FREQ [MHz] 257 514 771	HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 24.4 23.2 READINNG(PK) HOR. VER. [dBuV] READINNG(QP) HOR. VER. [dBuV] 26.1 26.4 READINNG(PK) HOR. VER.	READINI HOR.	VER. NG(AV) VER. NG(AV) VER.	LO LO LO ANT TYPE HO HO ANT TYPE BC LO ANT TYPE HO HO ANT TYPE LO ANT TYPE BC LO LO ANT TYPE BC LO LO ANT TYPE	-J.5 3.2 8.4 C.Factor [dBeV] -10.8 -9.5 C.Factor [dBeV] -3.5 -1.2 3.5 C.Factor [dBeV] -12.0 -10.6 -9.3 C.Factor [dBeV] -3.7 C.Factor	RESULT(OP) HOR VER [dfbsV/m] 20.9 19.7 RESULT(OP) HOR VER [dfbsV/m] RESULT(OP) HOR VER [dfbsV/m] 23.0 23.3	HOR. VER. [dBuV/m] RESULT(AV) HOR. VER. [dBuV/m] RESULT(AV) HOR. VER.	46.0 46.0 54.0 LIMIT [PK] [dBaV/m] 74.0 LIMIT [QP] [dBaV/m] 46.0 46.0 LIMIT [PK] [dBaV/m] 74.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T4.0 T	[AV] [dBaV/ro] 54.0 54.0 LIMIT. [AV] 54.0 54.0 54.0 54.0 54.0 LIMIT. [AV] [dBaV/ro]	>15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 25.1 26.3 >15.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(PK) HOR. VER. [dB] [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] 23.0 22.7 >15.0 MARGIN(PK) HOR. VER.	HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB] >10.0 MARGIN(AV) HOR. VER.

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

: Orion Electric Co., Ltd.: DVD/VCR COMPANY EQUIPMENT

MODEL No. : DVD2100-C POWER : AC120V/60Hz DESCRIPTION : TV Reception

REPORT No. REGULATION : 24KE0255-YW-1 : FCC PART 15 B TEST DISTANCE

ATTENUATION

: FCC PARTS 2 : 3m : 101-847MHz 6dB 1030-1694MHz 0dB : June 26, 2004 : 27°C/42% : Tsubasa Takayama DATE TEMP/HUMID. ENGINEER

For th	e measure	ment above IGHz, m	easurement of AV det	ector is pe	rformed o	oly when the result	of PK detector exc	eed the limit	of AV.		
CH.	FREQ	READINING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	1	HOR. VER.		TYPE		HOR. VER.		[QP]	7540000000000000000	HOR VER	
	Mitz	[dBay]	necessarios de la composition de la co	<u>L</u>	[dBaV]	(dBuV/m)		[dBoV/m]		[dB] (dB)	<u> 1</u>
UHF			R		····			y			
14	517	29.5 30.1		LO	-1.0	28.5 29.1		46.0		17.5 16.9	
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
	[:	HOR VER	HOR. VER.	TYPE	ł	HOR. VER.	HOR VER	(PK)	[AV]	HOR. VER.	HOR. VER.
	SWANGER !	[dD=V]	[dBuV]	100000000	MP _P V]	[dBqV/ts]	[dBuV/m]	[dBaV/m]	[dBaV/m]	(4B) (4B)	[विष्ठ] [विष्ठ]
	1034			HO	-11.9			74.0	54.0	>27.0	>10.0
- Porte	1551	KITTING INTO TO THE		НО	-8.9	and the second s		74.0	54.0		
CH.	FREQ	READINNG(QP)	nace a reasonable stable stable	ANT	C.Factor	RESULT(OP) HOR. VER.		LIMIT	************	MARGIN(QP)	**************************************
	[MHz]	HOR VER.		TYPE	200000000	of Soft on a management of the second of the second		[QP]	*************	HOR VER	
19	547	29.4 28.t		<u> </u>	[dB ₁ V]	[dBoV/m]		[dB ₀ V/m]	J	[dB] [dB]	***************************************
19	347	READENING(PK)	PEADMOCAYO	Ш	-0,3	29.1 27.8	KURY H 90 1 1 A	46.0	COLUMN TRANSPORTATION	16.9 18,2	
		HOR. VER.	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		[dBaV]	HOR. VER.	"YTED"	[absuV]	HOR VER	HOR. VER.	[PK]	[AV]	HOR. VER	HOR, VER.
	1094		100071	1273		(dBaV/rs)	[dBuV/m]	[dBaV/m]	[dBoV/m]	[4B] [4B]	[48] [48]
	1641			HO	-11.5 -8.0			74.0 74.0	54.0 54.0	>27.0	>10.0
CH,	FREQ	READINING(QP)	·· ·· ·· ·· ·	ANT	C.Factor	RESULT(OP)		LIMIT	34.0	MARCRYON	
CII,	INLY	HOR. VER.	energenamentenergenergene. 18080 Mantel Nord III.	TYPE	C.Facaui	HOR VER	\$20,000 000 000 000 000 000 000 000 000 0	[QP]		MARGIN(QP)	en e
	[MH2]	[dBuV]			[dBoV]	(dBeVan)		[ABOV/m]		HOR VER	
28	601	29.1 30,3		LQ	0.7	29.8 31.0		46.0		[dB) [dB] 16.2 15,0	
LO		READINING(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR VER.	HOR. VER.	TYPE	actor	HOR. VER.	HOR. VER.	[PK]	(AV)	HOR VER	HOR. VER.
		[4BuV]	(dBaV)		[[dBaV]	[d/3eV/an]	[dBuV/m]	[486V/m]	[dBeV/m]	[dB] (dB)	(dB) (dB)
	1202			НО	-10,9			74.0	54.0	>27.0	(0.01
CH.	FREO	READINNG(QP)		ANT	C.Factor	RESULT(QP)		LIMIT	34.0	MARGIN(QP)	× 10.0
		HOR. VER.	The second common control of the con	TYPE		HOR VER		[QP]		HOR VER	\
	[MHz]	[dBuV]		3337.770	[dBaV]	[dBaV/m]	Serverales de sucressión de	(dBoV/m)	101000000000000000000000000000000000000	[dB] [dB]	te en
36	649	29.1 29.5	F	LO	1.6	30.7 3 1. 1		46.0	**************************************	15.3 14.9	
	*********	READINING(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LOMOT	MARGIN(PK)	MARGIN(AV)
		HOR. #NAME?	HOR. VER.	TYPE	0,1,00101	HOR VER	HOR. VER.	[PK]	[AV]	HOR. VER	HOR VER
		(dBuV)	[d8oV]		[dBaV]	[dBaV/m]	[dBoV/m)	[dBoV/m]	(800 V/m)	[dB] (dB)	(dB) (dB)
	1298	·		НО	-10.5			74.0	54.0	>27.0	>10,0
CH.	FREQ	READINNG(QP)		ANT	C.Factor	RESULT(QP)	Compression and Compression an	LIMIT	34.0	MARGIN(QP)	~10,0
		HOR. VER.		TYPE		HOR. VER.		[QP]		HOR. VER.	
	(MO12)	[dBoV]	e i per a reserva por allega pe i responsable a		[dBaV]	[dBeV/m]	renevalencementalistics	(dBuV/m)		[dB] [dB]	1
44	697	30,3 29.6		LO	2.6	32.9 32.2		46.0		13.1 13.8	T
		READINING(PK)	READINNG(AV)	ANT	C Factor	RESULT(PK)	RESULT(AV)	LIMOT	LIMIT	MARGIN(PK)	MARGIN(AV)
	ĺ	HOR. VER.	HOR. VER.	TYPE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	HOR. VER.	HOR VER	[PK]	įανj	HOR VER	HOR. VER
	27.00,200.2	[dBoV]	[dBoV]		[dBaV]	(dBuV/m)	[dBaV/m]	(dDaV/m)	[dBoV/m]		[dB) [dB]
	1394		**************************************	НО	-9.9			74.0	54.0	>27.0	0.01<
CH.	FREQ	READINNG(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	1 10.0
	`	HOR. VER.		TYPE	***************************************	HOR. VER.]	[QP]	i i	HOR. VER.	[
	[MHz]	[dBaV]		2000/00/00	[dBaV]	(dBuV/m)		[dBaV/m]		(dB) dB	l
53	751	30.4 30.1		LO	3,4	33.8 33.5		46.0	-	12,2 12.5	
Ì		READINING(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	THE PERSON OF TH	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
							I RESULTIAVE				
	200,000,000	HOR. VER.	HOR VER	TYPE	38888	HOR VER	RESULT(AV) HOR. VER			HOR. VER	
	61418986 1	HOR. VER.		ТУРЕ	(8 8uV)		HOR. VER.	(PK)	[AV] [dBeV/m]	HOR. VER.	HOR. VER.
	1502	**************************************	HOR VER	TYPE HO	X8655X	HOR VER.			[AV]	HOR. VER. [48] [48] >27,0	
CH,		**************************************	HOR VER		(æbuY)	HOR VER	HOR. VER.	(PK) (884V/m)	[AV] [dBeV/m]	[dB] [dB] >27,0	HOR. VER.
СН	1502	[dBuV]	HOR VER	Ю	(@BuV] -9.3	HOR VER	HOR. VER.	(PK) (884V/m) 74,0 LIMIT	[AV] [dBeV/m]	[dB] [dB] >27,0 MARGIN(QP)	HOR. VER.
CH.	1502	[dBuV] READINNG(QP)	HOR VER	HO ANT	(@BuV] -9.3	HOR VER. [dBoV/m] RESULT(QP)	HOR. VER.	(PK) (25%V/m) 74.0	[AV] [dBeV/m]	(dB) (dB) >27,0 MARGIN(QP) HOR. VER	HOR. VER.
CH. 61	1502 FREQ	READINING(QP) HOR. VER. dBuV 30.1 30.2	HOR VER.	HO ANT	(@BuV] -9.3 C.Factor	HOR VER [dBeV/m] RESULT(QP) HOR. VER	HOR. VER.	(PK) 605sVmj 74.0 LIMIT [QP]	[AV] [dBeV/m]	[dB] [dB] >27,0 MARGIN(QP)	HOR. VER.
	1502 FREQ IMHzi	READINNG(QP) HOR. VER. dBuV 30.1 30.2 READINNG(PK)	HOR VER	HO ANT TYPE	(dBay) -9.3 C.Factor [dBuy]	HOR VER (dBsV/m) RESULT(QP) HOR. VER [dBsV/m]	HOR VER.	[PK] (85%/ss] 74.0 LIMIT [QP] (88w/ss] 46.0	[AV] [@BeV/m] 54.0	(dB) (dB)	HOR. VER. [dB] [dB] >10.0
	1502 FREQ IMHzi	READINING(QP) HOR. VER. dBuV 30.1 30.2	HOR VER.	HO ANT TYPE LO	(dBuV) [dBuV] 4.1	HOR VER (dfs-Vm) RESULT(QP) HOR VER [dfs-Vm] 34.2 34.3	HOR VER. (#84Vib) RESULT(AV)	(PK) (dBsV/ss) 74.0 LIMIT (QP) (dBsv/ss) 46.0 LIMIT	[AV] [@BeV/m] 54.0 - LIMIT	[dB] [dB]	HOR. VER. [JB] [JD] >10.0 MARGIN(AV)
	1502 FREQ IMHzi	READINNG(QP) HOR. VER. dBuV 30.1 30.2 READINNG(PK)	HOR VER Albay READING(AV)	HO ANT TYPE LO ANT	(dBuV) [dBuV] 4.1	HOR VER (dfs-Vm)	HOR VER.	[PK] (85%/ss] 74.0 LIMIT [QP] (88w/ss] 46.0	[AV] [dBeV/m] S4.0 S4.0 - LIMIT [AV]	[dB] [dB]	HOR. VER. [JB] [JB] >10.0 MARGIN(AV) HOR. VER.
	1502 FREQ IMHzi	READINNG(QP) HOR. VER. dBuV 30.1 30.2 READINNG(PK) HOR. VER	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT	(dBuV) -9.3 C.Factor [dBuV] 4.1 C.Factor	HOR VER (dbs/V)=	HOR VER (#8-V/o) RESULT(AV) HOR VER	(PK) (dBsV/m) 74.0 LIMIT [QP] (dBsV/m) 46.0 LIMIT [PK]	[AV] [@BeV/m] 54.0 - LIMIT	(dB) (dB)	HOR. VER. [dB] (dB] >10.0 MARGIN(AV) HOR VER. [dB] [dB]
	1502 FREQ JMHzJ 799	READINNG(QP) HOR. VER. dBuV 30.1 30.2 READINNG(PK) HOR. VER	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT TYPE	(dBay) -9.3 C.Factor [dBuy] 4.1 C.Factor	HOR VER (dbs/V)=	HOR VER (#8-V/o) RESULT(AV) HOR VER	(PK) (dbs/m) 74.0 LiMIT (OP) (dbs/m) 46.0 LiMIT (PK) (dbs/m) 74.0	[AV] [dBeV/hi] 54.0 - LIMIT [AV] [dBiV/hi]	(dB) (dB)	HOR. VER. [JB] [JB] >10.0 MARGIN(AV) HOR. VER.
6l	1502 FREQ JMHzJ 799	READINING(QP) HOR VER. HBBVI 30.2 READINING(PK) HOR VER HBBVI	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT TYPE HO	(dBuV) -9.3 C.Factor (dBuV) 4.1 C.Factor (dBuV) -8.4	HOR VER (dbeVin) RESULT(OP) HOR VER [dbeVin] 34.2 34.3 RESULT(PK) HOR VER [dbeVin]	HOR VER (#8-V/o) RESULT(AV) HOR VER	(PK) (dhaving) 74.0 LIMIT (OP) (dhaving) 46.0 LIMIT (PK) (dhaving) 74.0 LIMIT	[AV] [dBeV/hi] 54.0 - LIMIT [AV] [dBiV/hi]	(dB) (dB)	HOR. VER. [JB] (JB) >10.0 MARGIN(AV) HOR. VER. [JB] (JB]
6l	1502 FREQ JMHzJ 799	READINNG(QP) HOR VER. GB0/Y 30.1 30.2 READINNG(PK) HOR VER. GB0/Y READINNG(QP)	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT TYPE HO ANT	(dBuV) -9.3 C.Factor (dBuV) 4.1 C.Factor (dBuV) -8.4	HOR VER dfbsV/m RESULT(OP) HOR VER dfbsV/m 34.2 34.3 RESULT(PK) HOR VER dfbsV/m RESULT(OP) HOR VER	HOR VER (#8-V/o) RESULT(AV) HOR VER	(PK) (dBs/vo) 74.0 LIMIT [OP] (dBs/vo) 46.0 LIMIT [PK] (dBs/vo) CIMIT [PK] (dBs/vo) LIMIT [OP]	[AV] [dBeV/hi] 54.0 - LIMIT [AV] [dBiV/hi]	(dB) (dB)	HOR. VER. [JB] (JB) >10.0 MARGIN(AV) HOR. VER. [JB] (JB]
6l	1502 FREQ MHz 799 1598 FREQ	READINING(QP) HOR VER. dBuY 30.1 30.2 READINING(PK) HOR VER. dBuV READINING(QP) HOR VER	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT TYPE HO ANT	(dBeV) -9.3 C.Factor [dBeV] 4.1 C.Factor (dBeV) -8.4 C.Factor	HOR VER dfbaV/m RESULT(OP) HOR VER dfbaV/m 34.2 34.3 RESULT(OF) HOR VER dfbaV/m RESULT(OF) HOR VER dfbaV/m	HOR VER (#8-V/o) RESULT(AV) HOR VER	(PK) (dBs/vto) 74.0 LIMIT (OP) (dBs/vto) 46.0 LJMIT (PK) (dBs/vto) 74.0 LIMIT (QP) (dBs/vto)	[AV] [dBeV/hi] 54.0 - LIMIT [AV] [dBiV/hi]	(dB) (dB)	HOR. VER. [dB] (dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]
61 CH	1502 FREQ MHz 799 1598 FREQ	READINNG(QP) HOR VER. dBuV 30.1 30.2 READINNG(PK) HOR VER. dBuV READINNG(QP) HOR VER. dBuV	HOR VER IBSV READINING(AV) HOR VER	HO ANT TYPE LO ANT TYPE HO ANT TYPE	GBaY] -9.3 C.Factor [dBaY] 4.1 C.Factor [dBaY] (dBaY) -8.4 C.Factor	HOR	HOR VER (#8-V/o) RESULT(AV) HOR VER (dbaV/e)	(PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0 LIMIT (PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0	[AV] [dBeV/a] 54.0 LIMIT [AV] [dBeV/pii] 54.0	(dB) (dB)	HOR. VER. (dB) (dB)
61 CH	1502 FREQ MHz 799 1598 FREQ	READINNG(QP) HOR. VER. BBUY 30.1 30.2 READINNG(PK) HOR. VER BBUY READINNG(QP) HOR. VER BBUY 30.5 28.6 READINNG(PK) HOR. VER	HOR VER dBaV READINING(AV) HOR VER dBaV	HO ANT TYPE LO ANT TYPE HO ANT TYPE LO	(dBaV) -9.3 C.Factor [dBaV] 4.1 C.Factor [dBaV] -8.4 C.Factor	HOR	RESULT(AV) RESULT(AV) RESULT(AV) RESULT(AV)	(PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0 LIMIT (PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0 LIMIT	[AV] [dBeV/a] S4.0 - LIMIT [AV] [dBeV/pii] S4.0 - LIMIT	(dB) (dB)	HOR. VER. [JB] (JB] >10.0 MARGIN(AV) HOR. VER. [JB] (JB) >10.0
61 CH	1502 FREQ MHz 799 1598 FREQ	READINNG(QP) HOR VER. dBuV 30.1 30.2 READINNG(PK) HOR VER. dBuV READINNG(QP) HOR VER. dBuV 30.5 28.6 READINNG(PK)	HOR VER JUBAY READINING(AV) HOR VER JUBAY READINING(AV)	HO ANT TYPE LO ANT TYPE HO ANT TYPE LO ANT TYPE	GBaY] -9.3 C.Factor [dBaY] 4.1 C.Factor [dBaY] (dBaY) -8.4 C.Factor	HOR	HOR VER (#8-V/o) RESULT(AV) HOR VER (dbaV/e)	(PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0 LIMIT (PK) (dbs/m) 74.0 LIMIT (OP) (dbs/m) 46.0	[AV] [dBeV/a] 54.0 LIMIT [AV] [dBeV/pii] 54.0	(dB) (dB)	HOR. VER. (dB) (dB)

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

COMPANY EQUIPMENT MODEL No. POWER

: Orion Electric Co., Ltd. : DVD/YCR

DVD/VCR DVD2100-C AC120V/60Hz TV Reception DESCRIPTION

REPORT No. REGULATION TEST DISTANCE ATTENUATION

: 24KE0255-YW-I : FCC PART15 B

: 3m : 101-847MHz 6dB

1030-1694MHz 0dB

DATE TEMP/HUMID, ENGINEER : June 26, 2004 : 27°C/42% : Tsubasa Takayama

Nor the	tor[dB]=.	ment above ICUs me	and the bearmone			-1	CDV 1	10 10 10	C 4 2 4		
CH.	FREO	ment above 1GHz, mo READINNG(QP)	astrement of AV der	ANT	C.Factor		Of PK detector exc	LIMIT	of AV.	L.C. EWISTON (2008)	
\ \frac{1}{2}	11	HOR. VER.		TYPE	C. Cacaor	HOR VER	ŧ	[QP]		MARGIN(QP) HOR. VER.	
	[MHz]	[dBuV]		' ' ' ' '	[dBuV]	[dBaV/m]		[dBeV/m]		[4B] [4B]	
CATV				· h	<u> </u>	**************************************	!	1 (22-11-12)			
1	119	25.9 26,5		BC	-7.7	18.2 18.8		43.5		25.3 24,7	
	238			BC	-3.5			46.0			
1	357			Q.	-5.0	1. 🔪		46.0			
	476			LO	-2.1	l \		46.0	-]	
	595			LO	0.6	. \		46,0		>15,0	
	714			LO	2,9			46.0		ļ	
	833 952	\		10	4.6	\ \ \		46.0			
1	932	READINNG(PK)	READINNG(AV)	LO	7.4	nran ir minos		46.0			. 12000000000000000000000000000000000000
1		HOR. VER.	HOR. VER.	ANT	C.Factor	RESULT(PK) HOR. VER.	RESULT(AV) HOR VER	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		[dBuV]	[dBaV]	11111	[dBaV]	SERVIN	HOR VER.	[PK]	[AV]	HOR VER	HOR. VER.
	1071			но	-11.7	T 1931/191	 	74.0	54.0	[qB][qg]	[dB] [dB)
	1190			но	-11.1	· \		74.0	54,0		
F .	1309			HO	-10.4			74.0	54.0		
ļ :	1428	· \		но	-9.8		\	74.0	54.0	>27,0	>10.0
	1547			HQ	-8.9			74.0	54.0		Ī
	1666			НО	-7.8			74.0	54.0	•	ł l
CH.	FREQ	READINNG(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	[
		HOR VER		TYPE	[HOR. VER.	1	[QP]		HOR VER	[]
 	[MHz]	[dB ₄ V]		<u> </u>	[dBaV]	[dBuV/m]		(dBaV/m)	<u> </u>	[419] [438]	<u> </u>
95	137	27,5 28.1		BC	-6.4	21.1 21.7		43.5		22.4 21.8	
	274			BC	-2.2			46.0			
	411 548			LO	-4.0 -0,3			46,0			
l i	685			LO	2.3	. \		46.0		>15.0	
	822		\sim	LO	4.4			46.0 46.0			
	959			LO	7.5	· \		46.0			
		READINNG(PK)	READINING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR VER	TYPE	AND CONTRACTOR	HOR. VER	HOR, YER.	[PK]	[AV]	HOR. VER.	HOR. VER,
		[dBuV]	[dBaV]		(dBoV)	[dBeV/mij	[dBoV/re]	[dBaV/m]	[dBeV/m]	[dB] [dB)	[dB] [dB]
	1096			но	-11.5			74.0	54.0		
	1233			HO	-10,8			74.0	54.0		
	1370			RO	-10.0	1 .	· \				
				170	[-10.0		· \	74.0	54.0	>27.0	>10.0
	1507			НО	-9.2			74.0	54.0 54,0	>27.0	>10.0
	1644			HO HO	-9.2 -8.0			74.0 74.0			>10.0
Сн.		READINNG(QP)		HO HO ANT	-9.2	RESULT(QP)		74.0 74.0 LIMIT	54,0	MARGIN(QP)	>10.0
сн.	1644 FREQ	HOR, VER,		HO HO	-9.2 -8.0 C.Factor	HOR VER		74.0 74.0 LIMIT [QP]	54,0	MARGIN(QP) HOR, VER.	>10.0
	I644 FREQ [MH2]	HOR, VER.		HO HO ANT TYPE	-9.2 -8.0 C.Factor (dBoV)	HOR VER.		74.0 74.0 LIMIT [QP] (dBiv/m)	54,0	MARGIN(QP) HOR. VER. (dB) (dB)	>10.0
CH. 97	I644 FREQ [MH2]	HOR, VER,		HO HO ANT TYPE BC	-9.2 -8.0 C.Factor (dBaV) -6.0	HOR VER		74.0 74.0 LIMIT [QP] [dbuV/m] 43.5	54,0	MARGIN(QP) HOR, VER.	>10.0
	1644 FREQ [MH2] 149 298	HOR, VER.		HO HO ANT TYPE BC BC	-9.2 -8.0 C Factor (dBaV) -6.0 -1.0	HOR VER.		74.0 74.0 LIMIT [QP] (d85Vm] 43.5 46.0	54,0	MARGIN(QP) HOR. VER. (dB) (dB)	>10.0
	1644 FREQ [MH2] 149 298 447	HOR, VER.		HO HO ANT TYPE BC BC LO	-9.2 -8.0 C.Factor (dBaV) -6.0 -1.0	HOR VER.		74.0 74.0 LIMIT [OP] (d8sVm] 43.5 46.0 46.0	54,0	MARGIN(QP) HOR VER. [dB] [dB] 22.2 22.0	>10.0
	1644 FREQ [MH2] 149 298	HOR, VER.		HO HO ANT TYPE BC BC LO LO	-9.2 -8.0 C Factor (dBaV) -6.0 -1.0 -2.8 0.6	HOR VER.		74.0 74.0 LIMIT [OP] [dBuVm] 43.5 46.0 46.0	54,0	MARGIN(QP) HOR. VER. (dB) (dB)	>10.0
	1644 FREQ [MH2] 149 298 447 596	HOR, VER.		HO HO ANT TYPE BC BC LO	-9.2 -8.0 C.Factor (dBaV) -6.0 -1.0	HOR VER.		74.0 74.0 LIMIT [OP] (d8sVm] 43.5 46.0 46.0	54,0	MARGIN(QP) HOR VER. [dB] [dB] 22.2 22.0	>10.0
	1644 FREQ [MH2] 149 298 447 596 745	HOR. VER. KBu V 27.3 27.5 READINNG(PK)	READINING(AV)	HO HO ANT TYPE BC BC LO LO LO LO ANT	-9.2 -8.0 C.Factor (dBqV) -6.0 -1.0 -2.8 0.6 3.3	HOR VEN.	RESULT(AV)	74.0 74.0 1.IMIT [QP] (4550Vm) 43.5 46.0 46.0 46.0	54,0	MARGIN(QP) HOR VER. [dB] [dB] 22.2 22.0	>10.0
	1644 FREQ [MH2] 149 298 447 596 745	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO	-9.2 -8.0 C.Factor (dfav) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor	HOR VEX. [05sVex] 21.3 21.5 RESULT(PK) HOR VER	HOR VER	74.0 74.0 74.0 LIMIT [QP] [485V/m] 43.5 46.0 46.0 46.0 46.0	54.0 54.0	MARGIN(QP) HOR. VER. [dB] [dB] 22.2 22.0	
	I644 FREQ [MHz] 149 298 447 596 745 894	HOR. VER. KBu V 27.3 27.5 READINNG(PK)		HO HO ANT TYPE BC BC LO LO LO LO ANT	-9.2 -8.0 C.Factor (dBaV) -6.0 -1.0 -2.8 0.6 3.3 5.5	HOR VERK [@BaVes] 21.3 21.5 RESULT(PK)		74.0 74.0 74.0 LIMIT [QP] (485V/m) 43.5 46.0 46.0 46.0 46.0 LIMIT	54.0 54.0 LIMIT	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK)	MARGIN(AV)
	1644 FREQ [MHz] 149 298 447 596 745 894	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO ANT TYPE HO	-9.2 -8.0 C.Factor (dBeV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor (dBeV) -11.8	HOR VEX. [05sVex] 21.3 21.5 RESULT(PK) HOR VER	HOR VER	74.0 74.0 74.0 LIMIT [OP] [4850Vm] 44.0 46.0 46.0 46.0 46.0 46.0 LIMIT [PKI] [dBayVm] 74.0	54.0 54.0 LIMIT [AV] [48vV/m] 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER	MARGIN(AV) HOR. VER
	1644 FREQ 149 298 447 596 745 894 1043 1192	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO ANT TYPE HO HO	-9.2 -8.0 C Factor [dBoV] -6.0 -1.0 -2.8 -0.6 -3.3 -5.5 C Factor [dBoV] -11.8	HOR VEX. [05sVex] 21.3 21.5 RESULT(PK) HOR VER	HOR VER	74.0 74.0 74.0 LIMIT [QP] [abav/m] 44.0 46.0 46.0 46.0 46.0 LIMIT [PK] [dbav/m] 74.0 74.0	54.0 54.0 LIMIT [MV] [dBuVm] 54.0 54.0	MARGIN(QP) HOR VER. (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER. [dB] dB	MARGIN(AV) HOR. VER. [dB] [dB]
	1644 FREQ IMBE) 149 298 447 596 745 894 1043 1192 1341	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO LO HO HO HO	-9.2 -8.0 C Factor (dfav) -6.0 -1.0 -2.8 0.6 3.3 5.5 C Factor (dfav) -11.8 -11.1	HOR VEX. [05sVex] 21.3 21.5 RESULT(PK) HOR VER	HOR VER	74.0 74.0 1.IMIT [QP] [dBsiVim] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dBsyVim] 74.0 74.0	54.0 54.0 LIMIT [AV] (48eV/m) 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER	MARGIN(AV) HOR. VER
	1644 FREQ 149 298 447 596 745 894 1043 1192 1341 1490	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO ANT TYPE HO HO HO	-9.2 -8.0 C.Facjor (df6vY) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dBaV] -11.8 -11.1 -10.2 -9.4	HOR VEX. [05sVex] 21.3 21.5 RESULT(PK) HOR VER	HOR VER. [dBuV/m]	74.0 74.0 74.0 LIMIT [OP] [dbs/v/m] 43.5 46.0 46.0 46.0 46.0 LIMIT [PK] [dbs/v/m] 74.0 74.0 74.0	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER. (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER. [dB] dB	MARGIN(AV) HOR. VER. [dB] [dB]
97	1644 FREQ MH2 149 298 447 596 745 894 1043 1192 1341 1490 1639	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO ANT TYPE HO HO HO HO	-9.2 -8.0 C Factor (dfleV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C Factor (dfleV) -11.8 -11.1 -10.2 -9.4 -8.0	HOR VER. (IBAVIO) 21.3 21.5 RESULT(PK) HOR VER. [dBaVio)	HOR VER	74.0 74.0 74.0 1.IMIT [OP] [atsiv/m] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dBov/m] 74.0 74.0 74.0 74.0	54.0 54.0 LIMIT [AV] (48eV/m) 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0	MARGIN(AV) HOR. VER. [dB] [dB]
	1644 FREQ 149 298 447 596 745 894 1043 1192 1341 1490	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO HO HO HO HO HO ANT	-9.2 -8.0 C.Facjor (df6vY) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dBaV] -11.8 -11.1 -10.2 -9.4	HOR VER (IDENTIFY) 21.3 21.5 RESULT(PK) HOR VER (IDENTIFY) RESULT(QP)	HOR VER. [dBuV/m]	74.0 74.0 74.0 LIMIT [OP] [MSV/m] 43.5 46.0 46.0 46.0 46.0 46.0 LIMIT [PK] [dEw/m] 74.0 74.0 74.0 74.0 LIMIT	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0	MARGIN(AV) HOR. VER. [dB] [dB]
97	1644 FREQ MH2 149 298 447 596 745 894 1043 1192 1341 1490 1639	HOR. VER.	HOR. VER	HO HO ANT TYPE BC BC LO LO LO ANT TYPE HO HO HO HO	-9.2 -8.0 C Factor (dffeV) -6.0 -1.0 -2.8 -0.6 3.3 5.5 C Factor (dffeV) -11.8 -11.1 -10.2 -9.4 -8.0 C Factor	HOR VER (000 Ver 21.3 21.5 RESULT((PK) HOR VER	HOR VER. [dBuV/m]	74.0 74.0 74.0 1.IMIT [OP] [488-Vm] 46.0 46.0 46.0 46.0 46.0 46.0 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP]	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB) dB >27.0 MARGIN(QP) HOR VER.	MARGIN(AV) HOR. VER. [dB] [dB]
97	1644 FREQ PMH2 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ	HOR. VER. JOHN JOHN	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO HO HO HO HO HO ANT	-9.2 -8.0 C Factor (dfleV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C Factor (dfleV) -11.8 -11.1 -10.2 -9.4 -8.0	HOR VER. (dBaV/es) 21.3 21.5 RESULT((PK) HOR VER (dBaV/es) HOR VER (dBaV/es)	HOR VER. [dBuV/m]	74.0 74.0 74.0 1.IMIT [QP] [dBivVim] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dBivVim] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dBivVim]	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER (dB) dB MARGIN(QP) HOR VER (dB) (dB)	MARGIN(AV) HOR. VER. [dB] [dB]
97 CH.	1644 FREQ PMH2 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ PMH2	HOR. VER. JOHN JOHN J	HOR. VER	HO HO ANT TYPE BC LO LO LO LO LO HO HO HO HO HO ANT TYPE	-9.2 -8.0 C.Factor [df8eV] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [df8eV] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor	HOR VER (dBaV/e) 21.3 21.5 RESULT(PK) HOR VER RESULT(OP) HOR VER (dBaV/e)	HOR VER. [dBuV/m]	74.0 74.0 74.0 1.IMIT [OP] [488-Vm] 46.0 46.0 46.0 46.0 46.0 46.0 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP]	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB) dB >27.0 MARGIN(QP) HOR VER.	MARGIN(AV) HOR. VER. [dB] [dB]
97 CH.	1644 FREQ 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ 161 322 483	HOR. VER. JOHN JOHN J	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO ANT TYPE HO HO HO HO HO LO ANT TYPE LO	-9.2 -8.0 C.Facjor (dfleV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Facjor (dBaV) -11.8 -10.2 -9.4 -8.0 C.Facjor	HOR VER. (dBaV/es) 21.3 21.5 RESULT((PK) HOR VER (dBaV/es) HOR VER (dBaV/es)	HOR VER. [dBuV/m]	74.0 74.0 74.0 [IMIT [QP] [dBsv/m] 43.5 46.0 46.0 46.0 46.0 LIMIT [PK] [dBsv/m] 74.0 74.0 74.0 74.0 LIMIT [QP] [dBsv/m]	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER (dB) dB MARGIN(QP) HOR VER (dB) (dB)	MARGIN(AV) HOR. VER. [dB] [dB]
97 CH.	1644 FREQ PMHz] 149 298 447 596 745 894 1043 1192 1341 13490 1639 FREQ PMHz] 161 322 483 644	HOR. VER. JOHN JOHN J	HOR. VER	HO HO ANT TYPE BC BC LO LO LO LO LO HO HO HO HO HO LO LO LO LO HO HO LO	-9.2 -8.0 C Factor (dffeV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C Factor (dbaV) -11.8 -11.1 -10.2 -9.4 -8.0 C Factor (dBaV) -5.6 -5.6 -1.7 1.5	HOR VER. (dBaV/es) 21.3 21.5 RESULT((PK) HOR VER (dBaV/es) HOR VER (dBaV/es)	HOR VER. [dBuV/m]	74.0 74.0 74.0 1.IMIT [OP] [dbsv/m] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dbsv/m] 74.0 74.0 74.0 74.0 1.IMIT [QP] [dbsv/m] 43.5	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER (dB) dB MARGIN(QP) HOR VER (dB) (dB)	MARGIN(AV) HOR. VER. [dB] [dB]
97 CH.	1644 FREQ PMHz 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ MHz 161 322 483 644 805	HOR. VER. JOHN JOHN J	HOR. VER	HO HO ANT TYPE BC LO LO LO LO LO HO HO HO HO LO	-9.2 -8.0 C.Factor [dB6V] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dB6V] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor [aB6V] -5.6 -5.6 -1.7 1.5 4.2	HOR VER. (dBaV/es) 21.3 21.5 RESULT((PK) HOR VER (dBaV/es) HOR VER (dBaV/es)	HOR VER. [dBuV/m]	74.0 74.0 74.0 1.IMIT [QP] [dBsiVim] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dBsiVim] [dBsiVim] 43.5 46.0 46.0 46.0 46.0	LIMIT [AV] [489V/m] 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] (dB) 24.0 22.8	MARGIN(AV) HOR. VER. [dB] [dB]
97 CH.	1644 FREQ PMHz] 149 298 447 596 745 894 1043 1192 1341 13490 1639 FREQ PMHz] 161 322 483 644	HOR. VER. JOHN JOHN J	HOR. VER	HO HO ANT TYPE BC LO LO LO LO ANI TYPE HO HO HO HO LO	-9.2 -8.0 C.Factor (dBaY) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor (dBaY) -11.8 -10.2 -9.4 -8.0 C.Factor (dBaY) -5.6 -5.6 -1.7 1.5 4.2 7.9	HOR	HOR	74.0 74.0 74.0 11M17 [QP] [dBsv/m] 43.5 46.0 46.0 46.0 46.0 11M17 [PK] [dBsv/m] 74.0 74.0 74.0 74.0 74.0 11M17 [QP] [dBsv/m] 43.5 46.0 46.0 46.0 46.0	LIMIT [AV] [48eV/m] 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER [dB] dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] [dB] 24.0 22.8 >15.0	MARGIN(AV) HOR. VER (dB) (dB)
97 CH.	1644 FREQ PMHz 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ MHz 161 322 483 644 805	HOR. VER. JANUARY	HOR. VER (ABAV) READINNG(AV)	HO HO ANT TYPE BC BC LO LO LO LO ANT TYPE HO HO HO LO LO LO ANT TYPE LO LO LO ANT LO	-9.2 -8.0 C.Factor [dB6V] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dB6V] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor [aB6V] -5.6 -5.6 -1.7 1.5 4.2	RESULT(QF) HOR VER dBaV/m 21.3 21.5	HOR VER [dBsV/fa]	74.0 74.0 74.0 1.IMIT [OP] [dbsV/m] 43.5 46.0 46.0 46.0 46.0 LIMIT [PK] [dbsy/m] 74.0 74.0 74.0 74.0 1.IMIT [QP] [dbsy/m] 43.5 46.0 46.0 46.0 LIMIT [LIMIT [QP] [dbsy/m] 43.5 46.0 46.0 46.0 LIMIT	LIMIT LIMIT LIMIT LIMIT LIMIT LIMIT	MARGIN(QP) HOR VER [dB] dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] 24.0 22.8 >15.0 MARGIN(PK)	MARGIN(AV) HOR. VER [dB] [dB]
97 CH.	1644 FREQ PMHz 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ MHz 161 322 483 644 805	HOR. VER.	HOR. VER. (ABBAY) READINNG(AV) HOR. VER.	HO HO ANT TYPE BC LO LO LO LO ANI TYPE HO HO HO HO LO	-9.2 -8.0 C.Factor (df6vY) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dfbavy] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor (dfbavy) -5.6 -5.6 -1.7 1.5 4.2 7.9 C.Factor	RESULT(PK) HOR VER (dBs/Vm) RESULT(PK) HOR VER (dBs/Vm) P.5 20.7	HOR VER dBuV/to	74.0 74.0 74.0 1.IMIT [OP] [dbsv/m] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dbsv/m] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dbsv/s] 43.5 46.0 46.0 46.0 46.0	LIMIT [AV] [4BuVm] 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] dB 24.0 22.8 >15.0 MARGIN(PK) HOR VER	MARGIN(AV) HOR. VER [dB] [dB] >10.0 MARGIN(AV) HOR. VER.
97 CH.	1043 1192 1341 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ [Mits] 161 322 483 644 805 966	HOR. VER. JANUARY	HOR. VER (ABAV) READINNG(AV)	HO HO ANT TYPE BC BC LO LO LO ANT TYPE HO HO HO HO LO LO ANT TYPE LO LO LO LO ANT TYPE LO	-9.2 -8.0 C.Factor (dffeV) -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor (dffeV) -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor (dffeV) -5.6 -5.6 -1.7 1.5 4.2 7.9 C.Factor	RESULT(QF) HOR VER dBaV/m 21.3 21.5	HOR VER [dBsV/fa]	74.0 74.0 74.0 1.IMIT [OP] [dbsV/m] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dbsV/m] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dbsV/m] [dbsV/m] 46.0 46.0 46.0 46.0 46.0 46.0 46.0 46.0	S4.0 S4.0	MARGIN(QP) HOR VER [dB] dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] 24.0 22.8 >15.0 MARGIN(PK)	MARGIN(AV) HOR. VER [dB] [dB]
97 CH.	1043 1192 1341 1043 1192 1341 1341 1490 1639 FREQ [MHz] 161 322 483 644 805 966	HOR. VER.	HOR. VER. (ABBAY) READINNG(AV) HOR. VER.	HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO HO LO	-9.2 -8.0 C.Factor [dBeV] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dBeV] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor [dBeV] -5.6 -5.6 -5.7 1.5 4.2 7.9 C.Factor [dBeV] -11.3	RESULT(PK) HOR VER (dBs/Vm) RESULT(PK) HOR VER (dBs/Vm) P.5 20.7	HOR VER dBuV/to	74.0 74.0 74.0 1.IMIT [QP] [dBivVim] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dBivVim] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dBivVim] 43.5 46.0 46.0 46.0 1.IMIT [QP] [dBivVim] [dBivVim] 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	LIMIT [AV] [dBuV/m] LIMIT [AV] [dBuV/m] 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] dB 24.0 22.8 >15.0 MARGIN(PK) HOR VER	MARGIN(AV) HOR. VER [dB] [dB] >10.0 MARGIN(AV) HOR. VER
97 CH.	1644 FREQ [MHz] 149 298 447 596 745 894 1043 1192 1341 1490 1639 FREQ [MHz] 161 322 483 644 805 966	HOR. VER.	HOR. VER. (ABBAY) READINNG(AV) HOR. VER.	HO HO ANT TYPE BC LO LO LO ANI TYPE HO HO HO ANT TYPE HO HO HO HO HO HO ANT TYPE LO LO LO LO LO LO ANT TYPE HO	-9.2 -8.0 C.Factor [dBsV] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dBsV] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor [dBsV] -5.6 -5.6 -1.7 1.5 4.2 7.9 C.Factor [dBsV] -11.3 -10.5	RESULT(PK) HOR VER (dBs/Vm) RESULT(PK) HOR VER (dBs/Vm) P.5 20.7	HOR VER dBuV/to	74.0 74.0 74.0 11MIT [OP] [dBsiVim] 43.5 46.0 46.0 46.0 46.0 11MIT [PK] [dBsiVim] 74.0 74.0 74.0 74.0 11MIT [OP] [dBsiVim] 43.5 46.0 46.0 46.0 11MIT [OP] [dBsiVim] 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	LIMIT [AV] [4890/m] 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0	MARGIN(QP) HOR VER (dB) dB 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] dB >27.0 MARGIN(QP) HOR VER [dB] dB 24.0 22.8 >15.0 MARGIN(PK) HOR VER	MARGIN(AV) HOR. VER [dB] [dB] >10.0 MARGIN(AV) HOR. VER.
97 CH.	1043 1192 1341 1043 1192 1341 1341 1490 1639 FREQ [MHz] 161 322 483 644 805 966	HOR. VER.	HOR. VER. (ABBAY) READINNG(AV) HOR. VER.	HO HO ANT TYPE BC LO LO LO ANT TYPE HO HO HO HO LO	-9.2 -8.0 C.Factor [dBeV] -6.0 -1.0 -2.8 0.6 3.3 5.5 C.Factor [dBeV] -11.8 -11.1 -10.2 -9.4 -8.0 C.Factor [dBeV] -5.6 -5.6 -5.7 1.5 4.2 7.9 C.Factor [dBeV] -11.3	RESULT(PK) HOR VER (dBs/Vm) RESULT(PK) HOR VER (dBs/Vm) P.5 20.7	HOR VER dBuV/to	74.0 74.0 74.0 1.IMIT [QP] [dBivVim] 43.5 46.0 46.0 46.0 46.0 1.IMIT [PK] [dBivVim] 74.0 74.0 74.0 74.0 74.0 1.IMIT [QP] [dBivVim] 43.5 46.0 46.0 46.0 1.IMIT [QP] [dBivVim] [dBivVim] 74.0 74.0 74.0 74.0 74.0 74.0 74.0 74.0	LIMIT [AV] [dBuV/m] LIMIT [AV] [dBuV/m] 54.0	MARGIN(QP) HOR VER [dB] [dB] 22.2 22.0 >15.0 MARGIN(PK) HOR VER [dB] [dB] >27.0 MARGIN(QP) HOR VER [dB] [dB] 24.0 22.8 >15.0 MARGIN(PK) HOR VER [dB] [dB]	MARGIN(AV) HOR. VER [dB] [dB] >10.0 MARGIN(AV) HOR. VER. [dB] [dB]

UL Apex Co., Ltd.

Yokowa EMC No.2 Open Test Site

COMPANY EQUIPMENT MODEL No.

DESCRIPTION

POWER

: Orion Electric Co., Ltd. : DVD/VCR

: DVD2100-C : AC120V/60Hz : TV Reception

REPORT No. REGULATION TEST DISTANCE

ATTENUATION

: 24KE0255-YW-1 : FCC PART15 B

; 3m

: 101-847MHz 6dB 1030-1694MHz 0dB : June 26, 2004

DATE TEMP./HUMID. : 27°C/42% ENGINEER : Tsubasa Takayama

			Loss - A	ութւթա							-	
	r measure	ment above 1GHz, n			detector is	s performe	d only when the res	ult of PK detector e	ceed the l	imit of AV	7.	
ì	FREQ	READINNG(QP			ANT	C.Factor	RESULT(OP)		LIMIT		MARGIN(QP)	
		HOR. VER,			TYPE		HOR. VER.		[QP]		HOR. VER.	
	[MHz]	[dBoV]	L			[dBuV]	[dBuV/m]		[dBuV/m]		[4B] [4B]	•
CATV	[····		*************				*			the state of the s	[
14	167	27.3 28.5			BC	-5.1	22.2 23.4		43.5		21.3 20,1	
	334				LO	-5,4			46.0		22.5	
	501				LO	-1.2			46,0			
-	668				LO	2.1			46.0		>15.0	
- 1	835				LO	4,6			46.0			
- 1		READINNG(PK	READI	NNG(AV	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
- 1		HOR. VER.	HOR.	VER.	TYPE		HOR VER	HOR. VER.	[PK]	[AV]	HOR. VER,	HOR. VER.
- 1		[dBuV]	(dBu	VJ.	**********	[dBuV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBoV/m]	[dB] [dB]	[dB] [dB]
- 1	1002	\ i			НО	-12.0			74,0	54.0		
- 1	1169				Ю	-11.2			74.0	54.0		
- 1	1336		`	\	НО	-10.2			74,0	54.0	>27.0	>10,0
- 1	1503				НО	-9.3			74.0	54.0]
	1670				но	-7,8			74.0	54.0		
CH,	FREQ	READINNG(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
- /		HOR, VER.			TYPE		HOR. VER.	ļ. :	[QP]		HOR. VER.	
لسيب	[MHz]	[dĐuV]	<u> </u>			[dBuV]	[dBoV/m]		[dBaV/m]		[dB) [dB]	<u> </u>
18	191	27,3 25,1			BC	-3.8	23.5 21.3		43.5	/	20.0 22.2	
-	382				10	-4.4			46.0			
1	573			\sim	LO	0.2			46.0		>15.0	
	764 955	· \			LO	3.5			46.0			
- 1	933				LO	7.5			46,0			
i		READINNG(PK HOR. VER.		VING(AV) VER	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER. (dbuv)	HOR		TYPE	140-32	HOR VER	HOR VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
	1146	[apan)	[dBu	Yd.		[dBuV]	[dBoV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[4B] [4B]	[dB] [dB)
	1337				HO	-11.2 -10.2			74.0	54.0	. 22.0	
	1528				но	-10.2 -9.1			74.0 74.0	54.0 54.0	>27.0	>10.0
CH.	FREQ	READING(QP)	·*************************************		ANT	C Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
		HOR. VER.			TYPE	U. AUIUI	HOR VER	*****	[QP]	·	HOR. VER.	
	[MHz]	[dBuV]			11117	[[dBuV]	[dBuV/ss]		[QP] [dibuV/m]		HOK. VEK, [48]	
22	215	25.1 26.3		***************************************	BC	-3.8	21.3 22.5		43.5		22.2 21.0	
	430				LO	-3.4	12.2		46.0		1 E1.U	
	645				LO	1.5			46,0		>15.0	
	860		/		LO	4.9			46,0			
- 1		READING(PK)	READII	VG(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)	[dBu	<u>vj.</u>		[dBuV]	[dBaV/m]	(dBuV/m)	[dBuV/m]	(dBuV/m)	[dB]	[dB) dB]
	1075				НО	-11,6			74.0	54.0		
	1290			<u> </u>	но	-10.5			74.0	54,0	>27.0	>10.0
0Y *	1505		····		но	-9.3			74.0	54.0		
TH.	FREQ	THE A PARK TOWNS TO SE			comment of the							
		READING(QP)			ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
	[HOR. VER.			ANT TYPE		HOR. VER.		LIMIT [QP]		HOR, VER.	
33	[MHz]	HOR. VER.			ТҮРЕ	[dBuV]	HOR. VER.		LIMIT [QP] [dBoV/m]		HOR, VER.	
23	263	HOR. VER.			TYPE BC	[dBuV] -2.8	HOR. VER.		LIMIT [QP] [dBoV/m] 46.0	46.0	HOR, VER.	
23	263 526	HOR. VER.			TYPE BC LO	[dBijV] -2.8 -0.7	HOR. VER.		LIMIT [QP] JdBoV/m] 46.0 46.0	46.0 46.0	HOR, VER.	
23	263	HOR. VER. [dBuV] 26.1 25.7			BC LO LO	[dBuV] -2.8 -0.7 3.8	HOR. VER. [dBeV/m] 23.3 22.9		LIMIT [QP] [dBoV/m] 46.0 46.0 46.0	46.0 46.0 46.0	HOR. VER.	
23	263 526	HOR VER. [dBuV] 26.1 25.7 READING(PK)	READIO		BC LO LO ANT	[dBijV] -2.8 -0.7	HOR VER. [dBeV/m] 23.3 22.9 RESULT(PK)	RESULT(AV)	LIMIT [QP] [dBoV/m] 46.0 46.0 LIMIT	46.0 46.0 46.0 LIMIT	HOR. VER. dB 22.7 23.1 MARGIN(PK)	MARGIN(AV)
23	263 526	HOR. VER. [dbuV] 26.1 25.7 READING(PK) HOR. VER.	HOR.	VER.	BC LO LO	[dBuV] -2.8 -0.7 3.8 C.Pactor	HOR VER. [689V/m] 23.3 22.9 RESULT(PK) HOR VER	HOR. VER.	LIMIT [QP] [dBs/Vm] 46.0 46.0 46.0 LIMIT [PK]	46.0 46.0 46.0 LIMIT [AV]	HOR. VER. dB 22.7 23.1 MARGIN(PK) HOR. VER.	HOR. VER.
23	263 526 789	HOR VER. [dBuV] 26.1 25.7 READING(PK)		VER.	BC LO LO ANT TYPE	[dBuV] -2.8 -0.7 3.8 C.Factor	HOR VER. [dBeV/m] 23.3 22.9 RESULT(PK)		LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m]	46.0 46.0 46.0 LIMIT [AV]	HOR. VER. dB 22.7 23.1 MARGIN(PK)	
23	263 526 789	HOR. VER. [dbuV] 26.1 25.7 READING(PK) HOR. VER.	HOR.	VER.	BC LO LO ANT TYPE	[dBuV] -2.8 -0.7 3.8 C.Pactor [dBuV] -11.8	HOR VER. [689V/m] 23.3 22.9 RESULT(PK) HOR VER	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBoV/m] 74.0	46.0 46.0 46.0 LIMIT [AV] [dBuV/m] 54.0	HOR. VER. dB 22.7 23.1 MARGIN(PK) HOR. VER. dB	HOR. VER.
23	263 526 789	HOR. VER. [dbuV] 26.1 25.7 READING(PK) HOR. VER.	HOR.	VER.	BC LO LO ANT TYPE HO	[dBuV] -2.8 -0.7 3.8 C.Factor [dBuV] -11.8 -10.4	HOR VER. [689V/m] 23.3 22.9 RESULT(PK) HOR VER	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0	46.0 46.0 46.0 LIMIT [AV] [dBuV/n2] 54.0 54.0	HOR. VER. dB 22.7 23.1 MARGIN(PK) HOR. VER.	HOR. VER.
	263 526 789 1052 1315 1578	HOR VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV]	HOR.	VER.	BC LO LO ANT TYPE HO HO HO	[dBuV] -2.8 -0.7 3.8 C.Factor [dBuV] -11.8 -10.4 -8.6	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m]	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 74.0	46.0 46.0 46.0 LIMIT [AV] [dBuV/m] 54.0	MARGIN(PK) HOR. VER. [dB] 22.7 23.1 MARGIN(PK) HOR. VER. [dB] >27.0	HOR. VER.
	263 526 789 1052 1315	HOR VER. [dBuV] 26.1 25.7 READING(PK) HOR VER. [dBuV] READING(QP)	HOR.	VER.	BC LO LO ANT TYPE HO HO ANT	[dBuV] -2.8 -0.7 3.8 C.Factor [dBuV] -11.8 -10.4	HOR VER [dBeV/m] 23.3 [22.9] RESULT(PK) HOR VER [dBeV/m] RESULT(OP)	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 74.0 LIMIT	46.0 46.0 46.0 LIMIT [AV] [dBuV/n2] 54.0 54.0	MARGIN(PK) MARGIN(PK) MARGIN(PK) MARGIN(QP)	HOR. VER.
	263 526 789 1052 1315 1578 FREQ	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER.	HOR.	VER.	BC LO LO ANT TYPE HO HO HO	[dBoV] -2.8 -0.7 3.8 C.Factor [dBoV] -11.8 -10.4 -8.6 C.Factor	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 LIMIT [QP]	46.0 46.0 46.0 LIMIT [AV] [dBuV/n2] 54.0 54.0	MARGIN(PK)	HOR. VER.
ČH.	263 526 789 1052 1315 1578 FREQ	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER. [dBuV]	HOR.	VER.	BC LO LO ANT TYPE HO HO ANT TYPE	[dByV] -2.8 -0.7 3.8 C.Factor [dBeV] -10.4 -8.6 C.Factor [dBiV]	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER.	LIMIT [QP] [dBoy/m] 46.0 46.0 46.0 LIMIT [PK] [dBuy/m] 74.0 74.0 LIMIT [QP] [dBuy/m]	46.0 46.0 46.0 LIMIT [AV] [dBuV/m] 54.0 54.0	MARGIN(PK)	HOR. VER.
ČH.	263 526 789 1052 1315 1578 FREQ.	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER.	HOR.	VER.	BC LO LO ANT TYPE HO HO ANT TYPE BC	[dBsV] -2.8 -0.7 3.8 C. Pactor [dBsV] -10.4 -8.6 C. Pactor	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER	HOR. VER.	LIMIT [QP] [dBoy/m] 46.0 46.0 LIMIT [PK] [dBuy/m] 74.0 74.0 LIMIT [QP] [dBuy/m] 46.0	46.0 46.0 46.0 LIMIT [AV] 54.0 54.0 54.0	MARGIN(PK) HOR. VER. [dB] >27.0 MARGIN(QP) HOR. VER. [dB] [dB] [19.6 22.4	HOR. VER.
ČH.	263 526 789 1052 1315 1578 FREQ	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER. [dBuV]	HOR.	VER.	BC LO LO ANT TYPE HO HO ANT TYPE	[dByV] -2.8 -0.7 3.8 C.Factor [dBeV] -10.4 -8.6 C.Factor [dBiV]	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER.	LIMIT [QP] [dBoy/m] 46.0 46.0 LIMIT [PK] [dBuy/m] 74.0 74.0 LIMIT [QP] [dBuy/m] 46.0 46.0 46.0	46.0 46.0 46.0 LIMIT [AV] 54.0 54.0 54.0 46.0	MARGIN(PK)	HOR. VER.
CH.	263 526 789 1052 1315 1578 FREQ [MHz] 299 598	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER. [dBuV]	HOR.	VER Y	BC LO ANT TYPE HO ANT TYPE BC LO	[dBaV] -2.8 -0.7 3.8 C.Pactor [dBaV] -11.8 -10.4 -8.6 C.Factor [dBaV] -0.9 0.7	HOR VER. [dBeV/m] 23.3 [22.9] RESULT(PK) HOR. VER. [dBeV/m] RESULT(OP) HOR. VER. [dBeV/m] 26.4 [23.6]	HOR VER	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 LIMIT [QP] [dBuV/m] 46.0 46.0 46.0	46.0 46.0 46.0 11MIT [AV] [dBuV/m] 54.0 54.0 54.0 46.0 46.0 46.0	MARGIN(PK) HOR. VER. (dB) >27.0 MARGIN(QP) HOR. VER. (dB) 19.6 22.4 >15.0	HOR. VER. (dB) (dB) >10.0
CH.	263 526 789 1052 1315 1578 FREQ [MHz] 299 598	HOR VER. [dBuV] 26.1 25.7 READING(PK) HOR VER. [dBuV] READING(QP) HOR GBuV] 27.3 24.5	HOR.	VER Y	BC LO HO HO ANT TYPE BC LO LO	Labov -2.8	HOR VER [dBeV/m] 23.3 [22.9 RESULT(PK) HOR VER [dBeV/m] RESULT(OP) HOR VER [dBuV/m]	HOR. VER.	LIMIT [QP] [dBoV/m] 46.0 46.0 LIMIT [PK] 148.0 74.0 74.0 LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT	46.0 46.0 46.0 LIMIT [AV] [dBuV/m] 54.0 54.0 54.0 46.0 46.0 LIMIT	MARGIN(PF) HOR. VER. [dB] >27.0 MARGIN(OP) HOR. VER. [dB] 19.6 22.4 >15.0 MARGIN(PK)	HOR. VER. [dB] (dB) >10.0
CH.	263 526 789 1052 1315 1578 FREQ [MHz] 299 598	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(QP) HOR. VER. [dBuV] 27.3 24.5	HOR. [dbs	VER VI VI VER	BC LO ANT TYPE BC LO ANT LO ANT	Labov -2.8	HOR VER. [dBeV/m] 23.3 22.9 RESULT(PK) HOR. VER. [dBeV/m] RESULT(OP) HOR. VER. [dBeV/m] 26.4 23.6	HOR VER [48517/m] RESULT(AV)	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 LIMIT [QP] [dBuV/m] 46.0 46.0 46.0	46.0 46.0 46.0 11MIT [AV] [dBuV/m] 54.0 54.0 54.0 46.0 46.0 46.0	MARGIN(PK) HOR. VER. (dB) >27.0 MARGIN(OP) HOR. VER. (dB) 19.6 22.4 >15.0 MARGIN(PK) HOR. VER.	HOR. VER. [dB] (dB) >10.0 MARGIN(AV) HOR. VER.
223 CH.	263 526 789 1052 1315 1578 FREQ [MHz] 299 598	HOR. VER. [dBuV] 26.1 25.7 READING(PK) HOR. VER. [dBuV] READING(OP) HOR. VER. [dBuV] 27.3 24.5	HOR. (dbs.) READIN HOR.	VER VI VI VER	BC LO ANT TYPE BC LO ANT LO ANT	Labov -2.8	HOR VER [dBeV/m] 23.3 [22.9] RESULT(PK) HOR VER [dBuV/m] RESULT(OP) HOR VER [dBuV/m] 26.4 [23.6]	HOR VER [68/19/m] RESULT(AV) HOR VER	LIMIT [QP] [dBoV/m] 46.0 46.0 46.0 LIMIT [PK] [dBuV/m] 74.0 74.0 74.0 LIMIT [QP] [dBuV/m] 46.0 46.0 46.0 LIMIT [PK]	46.0 46.0 46.0 LIMIT [AV] [dBuV/m] 54.0 54.0 54.0 46.0 46.0 46.0 LIMIT [AV]	MARGIN(PF) HOR. VER. [dB] >27.0 MARGIN(OP) HOR. VER. [dB] 19.6 22.4 >15.0 MARGIN(PK)	HOR. VER. [dB] (dB) >10.0

UL Apex Co., Ltd.

Yokowa EMC No.2 Open Test Site

COMPANY EQUIPMENT MODEL No. : Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C : AC120V/60Hz REPORT No. : 24KE0255-YW-1 REGULATION : FCC PARTIS B

POWER DESCRIPTION ; TV Reception TEST DISTANCE : 3m : 101-847MHz 6dB 1030-1694MHz 0dB ATTENUATION

DATE : June 26, 2004 : 27°C/42% : Tsubasa Takayama TEMP./HUMID, ENGINEER

*C.Factor[dB]=ANT Factor + Cable Loss - Amp Gain
For the measurement above 1GHz, measurement of AV dete

For the r	ncasureme	nt above 1GHz, mea	surement of AV dete	ctor is p	erformed or	aly when the result of	of PK detector excee	d the limit	of AV.		
CH.	FREQ	READING(QP)		ANT		RESULT(QP)	· · · · · · · · · · · · · · · · · · ·	LIMIT	<u> </u>	MARGIN(QP)	T******
	l `	HOR. VER	,	TYPE		HOR. VER.			ľ		
	(MHz)	[4BuV]	i	1	Z100 1 1 1 7 1 1 1			[QP]		HOR. VER.	
~	[Mus]	j jazuvj		<u> </u>	[dBoV]	[dBoV/m]	L	[dBuV/m]	<u>L</u>	[46]	<u></u>
CATV			·····				***************************************				
36	341	24.0 23.5		LO	~5.4	18,6 18,1		46,0	46.0	27.4 27.9	
	682			to	2.2			46.0	46.0	>15.0	
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT		**************************************
		HOR VER	HOR. VER.	TYPE	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~				•	MARGIN(PK)	MARGIN(AV)
	1			IIIE.		HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
	<u> </u>	(dBoV)	[dBuV]		[dBeV]	[dBaV/m]	[dBaV/m]	[dfleV/m]	[dBeV/m]	[dB)	[dB] [dB)
	1023			НО	-11.9			74.0	54.0	.03 .0	
	1364			но	-10.1			74.0	54.0	>27.0	>10,0
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(OP)		LIMIT		XXXXXXXXXXXXXX	
44-1	11.004	HOR. VER.	i	TYPE	C.Facior	The second of th	1	20.00 1 0.0000 0.		MARGIN(QP)	•
				1116		HOR. VER.		[QP]		HOR. VER.	1
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	[MHz]	[dBaV]			[dBuV]	k/BuV/ml	<u> </u>	[dBu V/m]	··	[4B]	<u> </u>
37	347	23.6 23.3		LO	-5.2	18.4 18.1		46.0	46.0	27.6 27.9	
	694			LO	2.5			46.0	46.0	>15.0	
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)
		HOR. VER.	HOR. VER.	TYPE	O						
	1	1		LIFE		HOR VER	HOR VER	[PK]	[AV]	HOR VER.	HOR. VER,
		[KIBuV]	(dBuV)		[dB ₀ V]	[dBoV/m]	(dBuV/m)	[dBuV/m]	(dBuV/m)	(88)	[dB] (dB]
	1041			но	-11,8			74.0	54.0	>37.0	5 40 0
	1388			но	-9,9			74.0	54.0	>27.0	>10.0
ĆH.	FREQ	READING(QP)	· · · · · · · · · · · · · · · · · · ·	ANT	C.Factor	RESULT(OP)	7.7	LIMIT		TATA DEPOSITORS	
		HOR VER	ļ		Ser applica					MARGIN(QP)	
			1	TYPE		HOR. VER.		[QP]		HOR, VER.	
	[MHz]	[diBuV]	<u> </u>	لبيسييا	[dBaV]	(dBoV/m)	<u>L</u>	[dBuV/m]	<u>L</u>	[dB]	<u></u>
65	515	27.6 28.1		LO	-1.0	26.6 27.I		46.0	46.0	19.4 18.9	
		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]		,	
				1116	c.p.:				[AV]	HOR. VER.	HOR. VER,
		[dBuV]	[dBoV]		(dBaV)	[dBpV/m]	[dBeV/m]	(dBoV/m)	[dBeV/m)	(dB)	[dB] [dB)
	1030			HO	-11.9			74.0	54,0	- 47 0	. 10.0
	1545			HQ	-8.9			74.0	54,0	>27.0	>10.0
CH	FREQ	READING(QP)	***************************************	ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
		HOR. VER.		TYPE.	, C.1, GO, D1						
	D. ere v			TIFE		HOR. VER.		[QP]		HOR. VER.	ì
	[MHz]	[dExtV]			[dBuV]	[4BoV/m]	<u> </u>	[dBaV/m]		[dB]	
94	689	27.3 28.1		LO	2,4	29.7 30.5		46.0	46.0	16.3 15.5	
i		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]			
		[dBuV]	9	1111	F205 (F60 ***				[AY]		HOR. VER,
		lapa Al	[dBüV]		[dBuV]	[dBqV/re]	[dBuV/m]	(dBaV/m)	_{dEBuV/m]	(dB)	[dB] [dB]
	1378			НО	-t0.0			74.0	54.0	>27.0	>10,0
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)	gayaga 1995 mada 1995 mada 1995 ma	LIMIT		MARGIN(QP)	.,
		HOR. VER.		TYPE		HOR VER.		[QP]		HOR VER	
	[MHz]	[dBuV]			[dBuV]	[dBeV/m]					
100								[dBoV/m]		[dB]	I
100	695	28.8 27.6		LO	2.5	31.3 30.1		46.0	46.0	14.7 15.9	
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT"	MARGIN(PK)	MARGIN(AV)
		HOR. VER,	HOR VER	TYPE	m.m.	HOR VER,	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.
	L	[dBuV]	[dBuV]		[dBaV]	[dBeV/m]	[dBeV/et]	[dBoV/m]	(dBoV/m)	[4B]	
	1390			НО	-9,9						
CIL		THE THE PROPERTY.		**********		the state of the s		74,0	54.0	>27.0	>10.0
CH.	FREQ	READING(QP)		ANT	C.Factor	RESULT(QP)		LIMIT		MARGIN(QP)	
1		HOR. VER.		TYPE	::. I	HOR. VER		(QP)		HOR. VER.	
	[MHz]	[dBuV]			(dĐ _Đ Y)	[dBuV/m]	5-0-0	[dBaV/m]		[dB]	
113	773	29.1 28,3		LO	3.7	32.8 32.0		46.0	46,0	13.2 14.0	F
_ ^ }		READING(PK)	READING(AV)	ANT			PERTY WATER				**************************************
Į			L'		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.
	**************************************	[ŒuV]	[dBaV]	احسسا	[dBaV]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBaV/m]	[a B]	(dB) (dB)
[1546			но	-8,9			74.0	54.0	>27.0	>10.0
CH.	FREO	READING(QP)		ANT	C.Factor	RESULT(QP)				MARGIN(QP)	2.17.7
	,	HOR. VER.]		. Saratatiti.			LIMIT		,	
l				TYPE		HOR. VER.		[QP]		HOR, VER.	
	MHzj	[dB ₁ V]			[dBuV]	[dBoV/œ]	····	[dBuV/m]		柳	
125	845	27.4 27.5		LO	4,5	31.9 32.0		46.0	46.0	14.1 14.0	
1		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MADONETO SAN
l		HOR. VER.	HOR, VER		CALIBRATIA	200000000000000000000000000000000000000					MARGIN(AV)
			, ,	TYPE		HOR, VER,	HOR VER	[PK]	[AV]	HOR. VER.	HOR. VER,
ļ		JdBqV	[dBuV]	ليسين	[dBuV]	[dB#V/#i]	[dBuY⁄a⊨)	[dBoV/m]	[dBuV/m]	[dB]	[dB] (dB)
	1690			но	-7.6			74.0	54.0	>27.0	0.01

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd.

Kind of Equipment Model No.

: DVD/VCR : DVD2100-C

Serial No.

Power

: AC120V/60Hz

Mode

TV Reception+Rec (OdBm)

Remarks Date

: 6/24/2004

Test Distance Temperature

3 m 24 °C 34 %

Engineer

: Tsubasa Takayama

Humidity Regulation

: FCC Part15B CLASS B

No.	FREQ.	ANT TYPE	REAI HOR [dB]	VER µV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RES HOR [dB μ	VER	LIMITS BμV/m]	MAR HOR [d	VER
1.	675. 00	ВВ	26. 4	31.0	20. 9	27. 4	6. 1	6. 0	32. 0	36. 6	46. 0	14. 0	9. 1

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

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

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No.: 24KE0255-YW-1

Applicant Kind of Equipment Model No.

Orion Electric Co., Ltd.

DVD/VCR DVD2100-C

Serial No.

Power

AC120V/60Hz

Mode

TV Reception+Rec (OdBm)

Remarks Date

6/24/2004

Test Distance

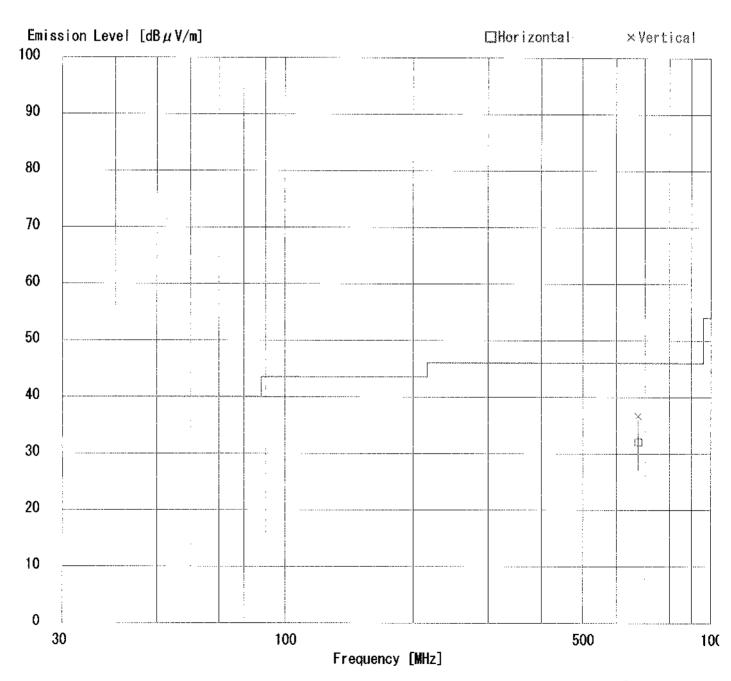
3 m 24 ℃

Engineer

: Tsubasa Takayama

Temperature Humidity Regulation

34 % : FCC Part15B CLASS B



UL Apex Co., Ltd. YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd.

Kind of Equipment Model No.

DVD/VCR : DVD2100-C

Serial No.

Power

: AC120V/60Hz

Mode

: TV Reception+Rec (25dBm)

Remarks Date

Test Distance

6/24/2004 3 m 24 °C

Temperature Humidity

: 34 %

Engineer

: Tsubasa Takayama

Regulation : FCC Part15B CLASS B

No.	FREQ.	ANT TYPE	HOR	DING VER μV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RES HOR [dB μ	VER	LIMITS BµV/m]	HOR	RGIN VER HB]
1. 2. 3. 4. 5. 6. 7.	85. 90 135. 00 219. 39 270. 00 337. 50 405. 00 540. 00	BB BB BB BB BB BB	31. 2 32. 1 33. 5 31. 2 32. 1 27. 7 26. 1	29. 4 33. 1 27. 5 29. 0 36. 0 33. 1 33. 4	7. 7 14. 3 16. 7 18. 3 17. 6 18. 7 19. 9	28. 2 28. 2 28. 0 27. 9 27. 9 27. 9 27. 8	2.3	5. 9 5. 9 6. 0 6. 0 6. 0 6. 0	18. 4 26. 4 31. 3 31. 1 31. 8 29. 0 29. 6	16. 6 27. 4 25. 3 28. 9 35. 7 34. 4 36. 9	40. 0 43. 5 46. 0 46. 0 46. 0 46. 0	21, 6 17, 1 14, 7 14, 9 14, 2 17, 0 16, 4	23. 4 16. 1 20. 7 17. 1 10. 3 11. 6 9. 1
8. 9.	675. 00 945. 00	BB BB	26. 5 23. 8	31. 4 25. 3	20. 9 25. 1	27. 4 27. 1	6. 1 7. 5	6. 0 6. 0	32. 1 35. 3	37. 0 36. 8	46. 0 46. 0	13. 9 10. 7	9. 0 9. 2

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

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

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

Orion Electric Co., Ltd.

Kind of Equipment Model No.

DVD/VCR DVD2100-C

Serial No.

Power Mode

AC120V/60Hz

Remarks

TV Reception+Rec (25dBm)

Date

6/24/2004

Test Distance

Temperature

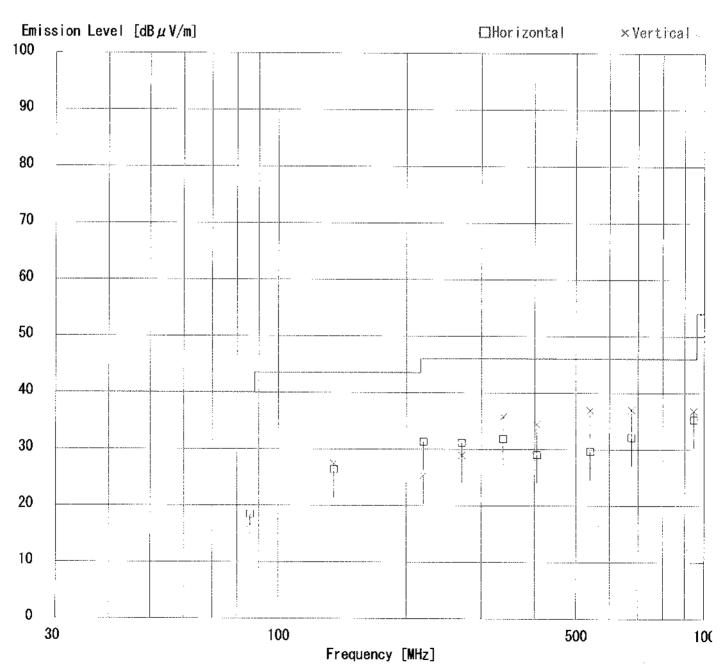
3 m 24 °C

Engineer

: Tsubasa Takayama

Humidity Regulation

34 % : FCC Part15B CLASS B



UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

: Orion Electric Co., Ltd. Applicant

Kind of Equipment DVD/VCR Model No. : DVD2100-C

Serial No.

Power : AC120V/60Hz : VCR Playback Mode Remarks

Date : 6/24/2004 Test Distance

: 3 m : 24 °C Temperature Engineer : Tsubasa Takayama

: 34 % Humidity

: FCC Part15B CLASS B Regulation

No.	FREQ.	ANT TYPE	HOR	DING VER μV]	ANT FACTOR [dB/m]	AMP. GAIN [dB]	CABLE . LOSS [dB]	ATTEN. [dB]	RESI HOR [dB μ]	VER	LIMITS ΒμV/m]	HOR	RGIN VER IB]
1.	85. 90	BB	33. 0	32. 4	7. 7	28. 2	1.8	5. 9	20. 2	19. 6	40. 0	19.8	20. 4
2.	135, 00	BB	26.2	32.6	14. 3	28. 2	2.3	5. 9	20.5	26. 9	43.5	23.0	16.6
3.	188. 99	BB	31, 0	29.3	16.4	28.0	2.8	5. 9	28. 1	26.4	43.5	15, 4	17. 1
4.	219.39	BB	32.8	28, 6	16.7	28.0	3. 1	6.0	30.6	26.4	46.0	15.4	19.6
5.	270.00	BB	31.4	32.6	18.3	27. 9	3, 5	6.0	31.3	32.5	46.0	14.7	13.5
6.	320.60	BB	34.0	33. 1	17.4	27.9	3, 8	6.0	33. 3	32.4	46.0	12, 7	13.6
7.	405.00	BB	27.0	33.9	18. 7	27.9	4.5	6.0	28.3	35. 2	46.0	17.7	10.8
8.	540.00	BB	27.4	32.8	19.9	27.8	5.4	6.0	30.9	36.3	46.0	15.1	9. 7
9.	675.00	BB	25, 3	30.8	20.9	27.4	6. 1	6.0	30.9	36. 4	46 . 0	15. 1	9.6
10.	945.00	BB	23, 0	27. 4	25. 1	27. 1	7. 5	6.0	34. 5	38. 9	46.0	11.5	7. 1

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

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

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd.

Kind of Equipment Model No.

DVD/VCR DVD2100-C

Serial No.

Power Mode

AC120V/60Hz VCR Playback

Remarks

Date

6/24/2004

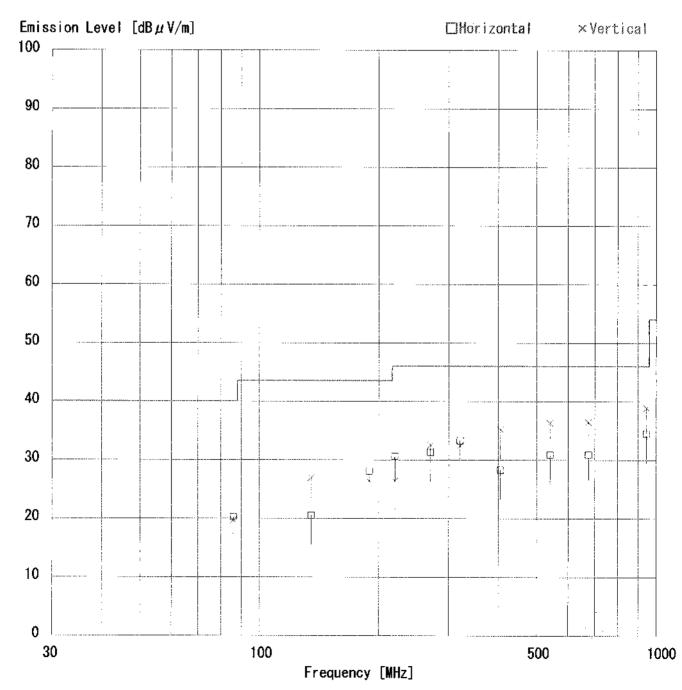
Test Distance

: 3 m ° : 24 °C

Engineer : Tsubasa Takayama

Temperature Humidity Regulation

34 % : FCC Part15B CLASS B



UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant : Orion Electric Co., Ltd.

Kind of Equipment : DVD/VCR | DVD2100-C

Serial No. : -

Power : AC120V/60Hz Mode : DVD Play Remarks :

Remarks : 6/24/2004
Test Distance : 3 m

Test Distance : 3 m | Engineer : Tsubasa Takayama

Humidity : 34 %

Regulation : FCC Part15B CLASS B

No.	FREQ.	ANT TYPE	HOR	DING VER μV]	ANT FACTOR [dB/m]	AMP GATN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESI HOR [dB μ '	VER	LTMTTS ΒμV/m]	HOR	RGIN VER IB]
1.	84, 00	BB	43.3	42.8	7. 3	28, 2	1.8	5. 9	30. 1	29. 6	40. 0	9. 9	10.4
2.	135, 02	BB	32.5	36.4	14. 3	28, 2	2. 3	5.9	26.8	30.7	43.5	16.7	12.8
3.	216.01	BB	37, 5	35. 1	16.7	28.0	3.0	5, 9	35. 1	32.7	46. 0	10. 9	13. 3
4.	270.00	BB	39, 0	38, 8	18. 3	27.9	3. 5	6, 0	38.9	38.7	46.0	7, 1	7. 3
5.	303.75	BB	30, 9	36.2	17. 1	27. 9	3, 7	6.0	29.8	35. 1	46.0	16, 2	10.9
6.	405.00	BB	31.0	32.8	18.7	27. 9	4, 5	6.0	32. 3	34. 1	46.0	13, 7	11.9
7.	472.50	BB	31.0	31.5	19.4	27.9	5.0	6.0	33. 5	34.0	46.0	12.5	12.0
8.	540.00	BB	27.4	32.0	19.9	27.8	5.4	6.0	30.9	35. 5	46.0	15. 1	10.5
F .	589.87	BB	25.8	31.4	20.2	27.6	5.6	6.0	30.0	35.6	46.0	16.0	10.4
10.	675.00	BB	26, 6	28.4	20.9	27.4	6. 1	6.0	32.2	34.0	46.0	13.8	12.0
11	945. 00	BB	24. 0	24. 0	25. 1	27. 1	7.5	6, 0	35. 5	35. 5	46.0	10.5	10.5

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

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

Page 50

UL Apex Co., Ltd. YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Orion Electric Co., Ltd. **Applicant**

DVD/VCR

Kind of Equipment Model No. DVD2100-C

Serial No.

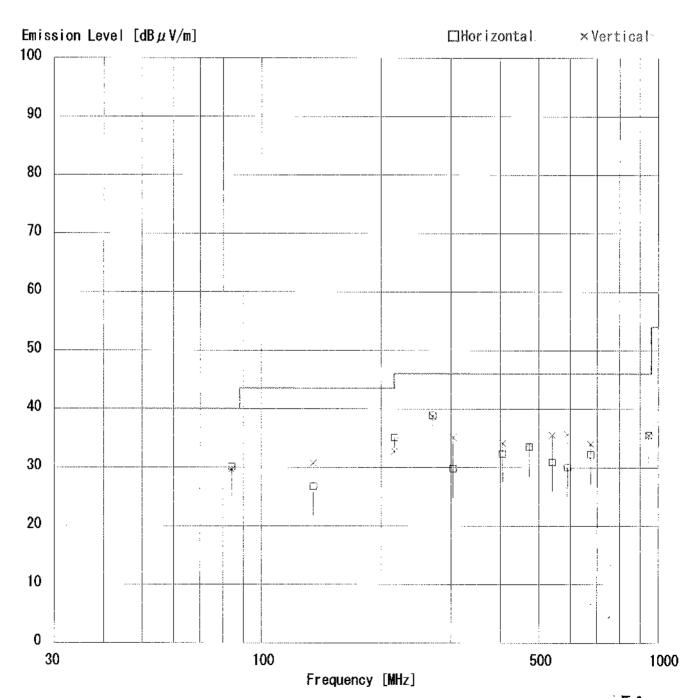
Power AC120V/60Hz Mode **DVD Play** Remarks

6/24/2 3 m 24 °C 6/24/2004 Date

Test Distance

Temperature Engineer : Tsubasa Takayama Humidity : 34 %

: FCC Part15B CLASS B Regulation



UL Apex Co., Ltd. YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd.

Kind of Equipment

: DVD/VCR DVD2100-C

Model No.

Serial No. Power

: AC120V/60Hz

Mode Remarks DVD Play Test Channel #3

Date

6/24/2004

Test Distance

Engineer

: Tsubasa Takayama

Temperature Humidity

: 3 m : 23 °C : 34 %

Regulation

FCC Part15B CLASS B

No.	FREQ.	ANT TYPE	HOR	DING VER μV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RES HOR [dB μ	VER	LIMITS ΒμV/m]	HOR	RGIN VER dB]
1. 2. 3. 4.	61. 25 65. 75 122. 50 245. 00	BB BB BB BB	23. 5 25. 4 24. 3 21. 9	25. 0 26. 9 23. 4 22. 5	7. 4 7. 0 13. 6 17. 0	28. 4 28. 3 28. 2 27. 9	2, 2	5. 9	9. 9 11. 5 17. 8 20. 3	11. 4 13. 0 16. 9 20. 9	40. 0 40. 0 43. 5 46. 0	30. 1 28. 5 25. 7 25. 7	28. 6 27. 0 26. 6 25. 1

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

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

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

: Orion Electric Co., Ltd. : DVD/VCR

Applicant Kind of Equipment Model No. DVD2100-C

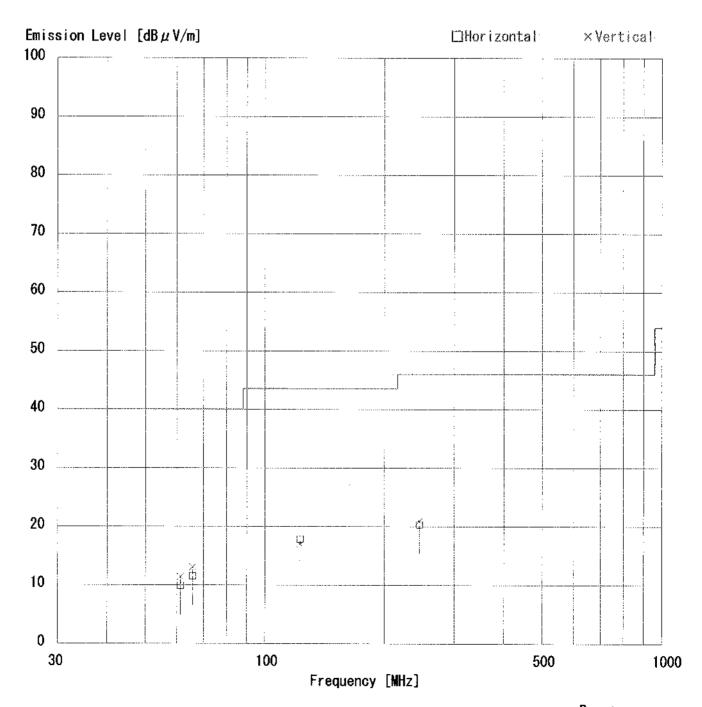
Serial No.

Power AC120V/60Hz Mode DVD Play Remarks Test Channel #3

Date 6/24/2004 Test Distance 3 m

: 23 °C Temperature Engineer : Tsubasa Takayama

Humidity : 34 % Regulation : FCC Part15B CLASS B



Engineer

UL Apex Co., Ltd.
YOKOWA No.3 OPEN TEST SITE
Report No.: 24KE0255-YW-1

: Tsubasa Takayama

Applicant : Orion Electric Co., Ltd.

Kind of Equipment : DVD/VCR | DVD2100-C

Serial No. :

Power : AC120V/60Hz
Mode : DVD Play
Remarks : Test Channel #4

Date : 6/24/2004 Test Distance : 3 m

Temperature : 23 °C Humidity : 34 %

Regulation : FCC Part15B CLASS B

No. FREQ. ANT READING ANT AMP CABLE ATTEN. RESULT MARGIN LIMITS TYPE HOR VER FACTOR GAIN LOSS HOR VER HOR VER $[MH_Z]$ $[dB \mu V]$ [dB/m][dB][dB][dB] $[dB \mu V/m] [dB \mu V/m]$ [dB]1. 67.25 BB24.2 24.4 6,8 28.3 29.6 1.6 5.9 10.2 10.4 40.0 29.8 2. 23.4 71.75BB 23.4 6.6 28.3 1.6 5.9 9.2 9.2 40.0 30.8 30,8 3. BB26.7 28. 2 134, 50 26.5 2.3 14, 3 5.9 21.0 20,8 43.5 22.5 22.7 4. 201, 75 BB 23.023.716.5 28.0 2.9 5.9 20.3 23.2 21.043.5 22.5

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

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

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd. : DVD/VCR

Kind of Equipment

DVD2100-C

Model No. Serial No.

Power

: AC120V/60Hz

Mode

DVD Play

Remarks

: Test Channel #4

Date

6/24/2004

Test Distance

: 3 m : 23 ℃

Engineer

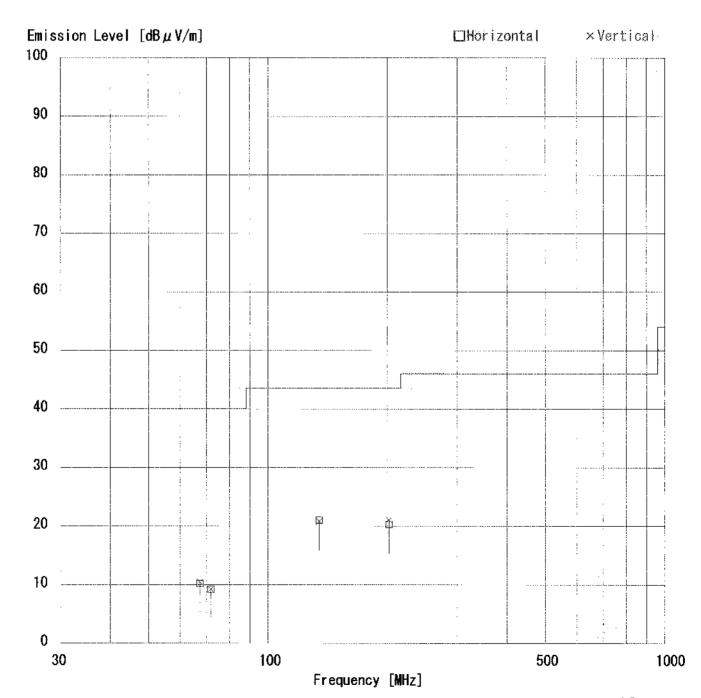
Tsubasa Takayama

Temperature Humidity

34 %

Regulation

: FCC Part15B CLASS B



UL Apex Co., Ltd. YOKOWA No.1 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant

: Orion Electric Co., Ltd. : DVD/VCR

Kind of Equipment

Model No.

DVD2100-C

Serial No. Power

: AC120V/60Hz : DVD Play

Mode Rēmarks

6/30/2004

Date Test Distance

Temperature

Engineer : Tsubasa Takayama

Humidity Regulation 3 m 28 °C 60 %

: FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. ANT TYPE [MHz]	READING ANT HOR VER FACTOR $\left[\mathrm{d} \hat{\mathbf{B}} \mu \hat{\mathbf{V}} \right] \left[\mathrm{d} \hat{\mathbf{B}} / \mathfrak{m} \right]$	AMP CABLE ATTEN. GAIN LOSS [dB] [dB] [dB]	RESULT LIMITS HÖR VER [dB µ V/m] [dB µ V/m]	MARGIN HOR VER [dB]
1.	1214, 99 BB	45. 3 48. 1 25. 9	35. 2 2. 9 0. 0	38.9 41.7 74.0	35. 1 32. 3
2.	1349, 90 BB	42. 5 48. 2 26. 6	35. 0 3. 1 0. 0	37.2 42.9 74.0	36. 8 31. 1
3.	1889, 00 BB	41. 7 45. 8 30. 0	34. 4 3. 8 0. 0	41.1 45.2 74.0	32. 9 28. 8

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

Except for the above table: adequate margin data below the limits. ANT. TYPE: IGHz-2GHz DRG Horn Antenna

UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

Report No.: 24KE0255-YW-1

Applicant Orion Electric Co., Ltd.

Kind of Equipment DVD/VCR Model No. DVD2100-C

Serial No.

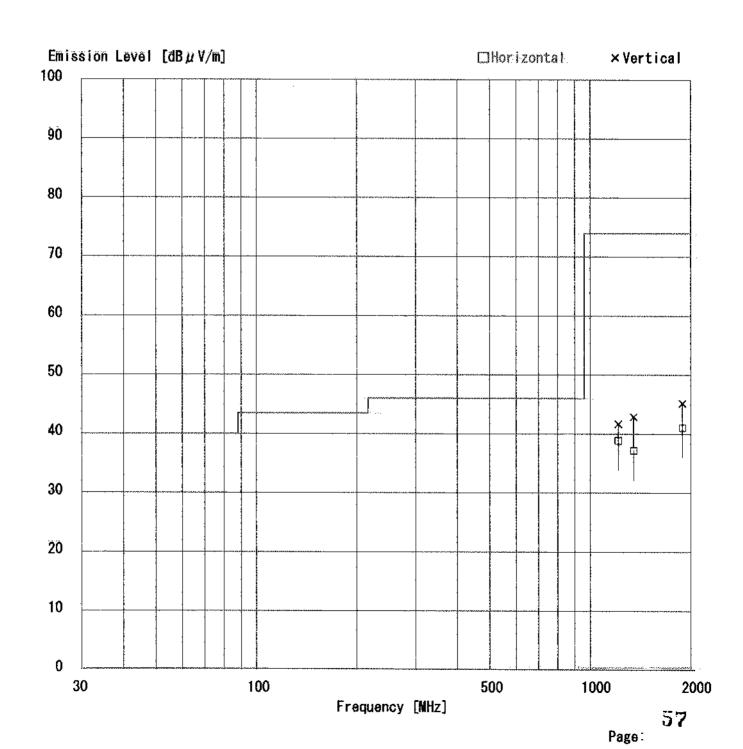
Power : AC120V/60Hz Mode DVD Play Remarks

Date 6/30/2004 Test Distance

3 m 28 °C 60 % Temperature Engineer : Tsubasa Takayama

Humidity

: FCC Part15B CLASS B (Peak Limit / Upper1GHz) Regulation



UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE Report No.: 24KE0255-YW-1

Applicant Kind of Equipment Orion Electric Co., Ltd.

Model No.

DVD/VCR DVD2100-C

Serial No.

Power Mode

AC120V/60Hz DVD Play

Remarks Date

6/30/2004

Test Distance

3 m 28 °C 60 %

Engineer

: Tsubasa Takayama

Temperature Humidity

Regulation

: FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. ANT TYPE [MHz]	READING ANT HOR VER FACT [dB μ V] [dB/	OR GAIN LOSS	ATTEN. [dB]	RESULT LIMITS HOR VER $[dB \mu V/m]$ $[dB \mu V/m]$	MARGIN HOR VER [dB]
1. 2. 3.	1214. 99 BB 1349. 90 BB 1889. 00 BB	34. 2 38. 5 26	. 9 35. 2 2. 9 . 6 35. 0 3. 1 . 0 34. 4 3. 8	0.0	30. 6 34. 9 54. 0 28. 9 33. 2 54. 0 32. 1 36. 7 54. 0	23. 4 19. 1 25. 1 20. 8 21. 9 17. 3

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

Except for the above table: adequate margin data below the limits. ANT. TYPE: 1GHz-2GHz DRG Horn Antenna

UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

Report No.: 24KE0255-YW-1

: Orion Electric Co., Ltd.

Applicant Kind of Equipment Model No.

DVD/VCR DVD2100-C

Serial No.

Power

: AC120V/60Hz : DVD Play

Node

DVD Play

Remarks

6/30/2004 3 m 28 °C 60 %

Date Test Distance

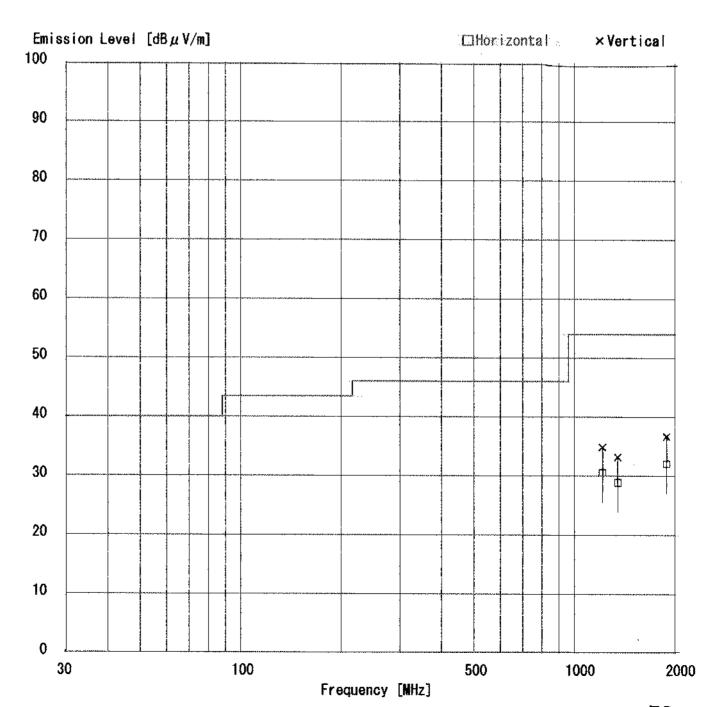
Temperature

Engineer

: Tsubasa Takayama

Humidity Regulation

: FCC Part15B CLASS B(Average Limit / Upper1GHz)



DATA OF ANTENNA TERMINAL TEST

UL Apex Co., Ltd.

COMPANY EQUIPMENT

Orion Electric Co., Ltd.

REPORT NO DATE REGULATION : 24KE0255-YW-2 : June 29, 2004 : BETS-7 3, 4

DVD/VCR DVD2100-C OPERATION MODE : TV Tuning mode

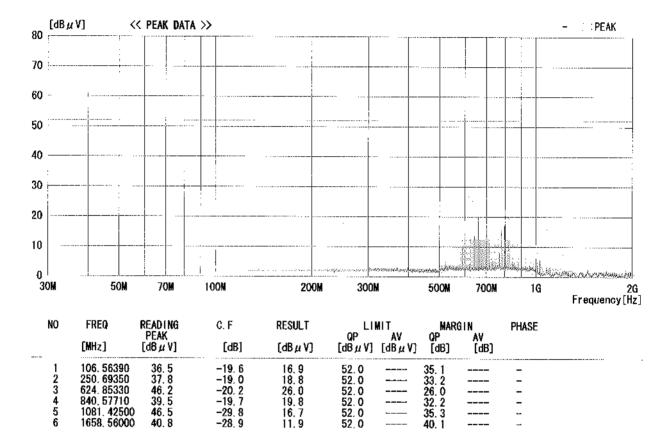
TEST ENGINEER

: Tsubasa Takayama

TEMP. /HUMID.

: 26°C/68%

LIMIT: FCC 15B ANTENNA TERMINAL



52.0

40.8

-28, 9

DATA OF ANTENNA TERMINAL TEST

UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : DVD2100-C
OPERATION MODE : CATV Tuning mode

REPORT NO DATE REGULATION TEST, ENGINEER

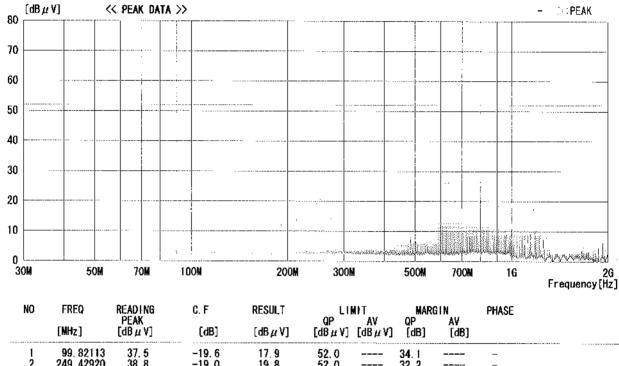
24KE0255-YW-1 June 29, 2004 FCC 15B

: Tsubasa Takayama

TEMP. /HUNIO.

: 26°C/68%

LIMIT: FCC 15B ANTENNA TERMINAL



NO	FREQ	READING PEAK	C. F	RESULT	QP LII	T (IX	MAR OP	GIN AV	PHASE
	[MHz]	[dB μ V]	(dB)	$[dB \mu V]$	[dB μ V]	$[dB \mu V]$	[dB]	(dB)	
1	99, 82113	37. 5	-19. 6	17. 9	52.0		34.1		_
2	249,42920	38. 8	-19, 0	19.8	52.0		32. 2		_
3	627, 71040	47. 0	-20, 2	26.8	52.0		25. 2		_
4	811, 43310	45. 5	-19, 8	25.7	52.0		26. 3		_
5	909, 58000	39. 0	-19.6	19. 4	52.0		32.6		_
6	1147, 13400	47. 0	-29.7	17.3	52.0		34 7		_

UL Apex Co., LTD. YOKOWA EMC LAB.

Company

: Orion Electric Co.,Ltd.

Report Number

: 24KE0255-YW-1

Equipment

: DVD/VCR

Regulation

: FCC Prat15B Subpart B

Model number

: DVD2100-C

Date

: June 29, 2004

Power

: AC 120 V / 60 Hz

Temp./Humid

: 24°C/34%

Description

: TV Reception + Rec(0dBmV)

Engineer

: Tsubasa Takayama

Video signal

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[d B]	[dB]	[dBuV]	[dB]
3	61.25	82.2	20.0	62.2	69.5	7.3
4	67.25	83.9	19.9	64.0	69.5	5.5

Ch.	Frequency [MHz]	Meter reading	Correction factor [dB]	Result	Limits [dBuV]	Margin [dB]
3	56.75	68.4	20.0	48.4	56.5	8.1
	65.75	67.2	20.0	47.2	56.5	9.3
4	62.75	68.2	20.0	48.2	56.5	8.3
	71.75	67.0	20.0	47.0	56.5	9.5

UL Apex Co., LTD. YOKOWA EMC LAB.

Company

Orion Electric Co.,Ltd.

Report Number

: 24KE0255-YW-1

Equipment

DVD/VCR

Regulation

: FCC Prat15B Subpart B

Model number

: DVD2100-C

Date

: June 29, 2004

Power

: AC 120 V / 60 Hz

Temp./Humid

: 24°C/34%

Description

: TV Reception + Rec(25dBmV)

Engineer

: Tsubasa Takayama

Video signal

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[dB]	[d B]	[dBuV]	[dB]
3	61.25	82.9	20.0	62.9	69.5	6.6
4	67.25	84.0	19.9	64.1	69.5	5.4

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margir
	[MHz]	[dBuV]	[dB]	[dB]	[dBuV]	[d B]
3	56.75	68.4	20.0	48.4	56.5	8.1
	65.75	67.3	20.0	47.3	56.5	9.2
4	62.75	68.8	20.0	48.8	56.5	7.7
	71.75	67.8	20.0	47.8	56.5	8.7

UL Apex Co., LTD. YOKOWA EMC LAB.

Company

: Orion Electric Co.,Ltd.

Report Number

: 24KE0255-YW-1

Equipment

: DVD/VCR

Regulation

: FCC Prat15B Subpart B

Model number

DVD2100-C

Date

: June 29, 2004

Power

: AC 120 V / 60 Hz

Temp./Humid

: 24°C/34%

Description

: VCR Playback

Engineer

: Tsubasa Takayama

Video signal

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[dB]	[dB]	[dBuV]	[dB]
3	61.25	83.1	20.0	63.1	69.5	6.4
4	67.25	84.4	19.9	64.5	69.5	5.0

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[dB]	[d B]	[dBuV]	[dB]
3	56.75	68.2	20.0	48.2	56.5	8.3
	65.75	67.1	20.0	47.1	56.5	9.4
4	62.75	68.2	20.0	48.2	56.5	8.3
	71.75	67.2	20.0	47.2	56.5	9.3

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company

: Orion Electric Co.,Ltd.

Report Number

: 24KE0255-YW-1

Equipment

: DVD/VCR

Regulation

: FCC Prat15B Subpart B

Model number

: DVD2100-C

Date

: June 29, 2004

Power

: AC 120 V / 60 Hz

Temp/Humid

: 24°C/34%

Description

: DVD Play

Engineer

: Tsubasa Takayama

Video signal

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[dB]	[dB]	[dBuV]	[dB]
3	61.25	83.2	20.0	63.2	69.5	6.3
4	67.25	84.1	19.9	64.2	69.5	5.3

Ch.	Frequency [MHz]	Meter reading	Correction factor [dB]	Result	Limits [dBuV]	Margin [dB]
3	56.75	68.3	20.0	48.3	56.5	8.2
	65.75	67.2	20.0	47.2	56.5	9.3
4	62.75	68.4	20.0	48.4	56.5	8.1
	71.75	67.7	20.0	47.7	56.5	8.8

UL Apex Co., Ltd.

: Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C COMPANY

EQUIPMENT MODEL TEMP. /HUMID. : 23°C/43% REPORT NO : 24KE0255-YW-1

DATE : June 29, 2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE: TV Reception+Rec (OdBmV): 3ch

NO	FREQ.	REA	DING	C. F	RES	ULT	LIM	IT	MAR	BIN	PHASE
	[MHz]	Q P [dΒ <i>μ</i> ۷]	ΑV [dB μ V]	[dB]	QP [dB μ V]	ΑV [dB μ V]	Q₽ [dBμV]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	32. 6200	33.7		-20. 2	13.5		39.5		26. 0		_
2	47.8400	31.4		-20.0	11.4		39.5		28. 1		_
3	89. 9200	29.2		-19.8	9.4		39.5		30. 1		
4	122, 3100	33.0		-19.5	13.5		39.5		26.0		_
5	331, 4200	36.1		-19.1	17.0		39.5		22.5		_
6	734, 7300	32.0		-20.0	12.0		39.5		27. 5		_

UL Apex Co., Ltd.

COMPANY EQUIPMENT : Orion Electric Co., Ltd. : DVD/VCR

REPORT NO

: 24KE0255-YW-1

MODEL TEMP. /HUMID.

: DVD2100-C : 23°C/43%

DATE : June 29, 2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : TV Reception+Rec(25dBmV) : 3ch

NO	FREQ	REA	DING	Ç. F	RES	ULT	LiM	IT	MARG	in .	PHASE
	[MHz]	QP [dΒμV]	ΑV [dB μ V]	[dB]	QΡ [dB μ V]	ΑV [dB μ V]	QP [dΒ <i>μ</i> V]	ΑV [dB μ V]	Q P [dB]	AV [dB]	
1	32, 6200	33.6		-20. 2	13. 4		39. 5		26, 1		_
2	47, 8400	32.4		-20.0	12, 4		39. 5		27. 1		
3	89. 9200	29.0		-19.8	9, 2		39. 5		30, 3		_
4	122, 3100	33.3		-19. 5	13. 8		39.5		25. 7		_
5	331, 4200	36.4		-19. 1	17. 3		39.5		22. 2		_
6	734, 7300	32.3		-20.0	12, 3		39. 5	************	27. 2		-

UL Apex Co., Ltd.

COMPANY

: Orion Electric Co., Ltd. : DVD/VCR

REPORT NO

: 24KE0255-YW-1

EQUIPMENT MODEL

: DVD2100-C

DATE REGULATION : June 29, 2004 : FCC Part15 Subpart B

TEMP. /HUMID.

: 23°C/43%

TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback : 3ch

NO	FREQ	REA	DING	C. F	RES	ULT	LIM	IT	MARO	BIN	PHASE
	[MHz]	QP [dB μ V]	ΑV [dB μ V]	[dB]	QP [dB μ V]	Α V [dB μ V]	QP [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	32, 6200	30.6		-20. 2	10. 4		39. 5		 29. 1		_
2	47. 8400	32.3		-20, 0	12.3		39. 5		27. 2		_
3	89. 9200	28.0		-19.8	8, 2		39.5		31.3		_
4	122, 3100	30.8		-19. 5	11. 3		39. 5	 .	28. 2		_
5	489.7600	30.3		-20. 1	10. 2		39.5		29. 3		_
6	734, 7300	33.6		-20. 0	13. 6		39.5		25. 9		-

UL Apex Co., Ltd.

COMPANY EQUIPMENT

: Orion Electric Co., Ltd. : DVD/VCR

REPORT NO DATE

: 24KE0255-YW-1

MODEL TEMP. /HUMID.

: DVD2100-C : 23°C/43%

REGULATION

: June 29, 2004 : FCC Part15 Subpart B TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD play : 3ch

NO	FREQ	REA	DING	C. F	RES	ULT	LIM	IT	MARG	BIN	PHASE
	[MHz]	QP [dΒ <i>μ</i> V]	ΑV [dB μ V]	[dB]	QP [d8 μ V]	ΑV [dB <i>μ</i> V]	QP [dΒ <i>μ</i> ۷]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	54. 2300	35.5		-20.0	15.5		39. 5		24. 0		_
2	47. 8400	32.0		-20.0	12.0		39.5		27. 5		_
3	74. 8200	30.3		-19.9	10.4		39. 5		29. 1		_
4	122.3100	31.5		-19.5	12.0		39.5		27. 5		_
5	489.7600	30.3		-20. 1	10. 2		39. 5		29. 3		_
6	734, 7300	33.6		-20.0	13.6		39.5		25. 9		_

UL Apex Co., Ltd.

COMPANY

: Orion Electric Co., Ltd. : DVD/VCR

REPORT NO

: 24KE0255-YW-1

EQUIPMENT

DATE REGULATION

MODEL TEMP./HUMID. DVD2100-C : 23°C/43%

: June 29,2004 : FCC Part15 Subpart B TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : TV Reception + Rec (OdBmV) : 4ch

NO	FREO		DING	C. F	RES	ULT	LIM	I T	MAR	GIN	PHASE
	[MHz]	QP [dB μ V]	ΑV [dB μ V]	[dB]	QΡ [dB <i>μ</i> V]	ΑV [dB μ V]	QΡ [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	38, 6200	34, 5		-20, 1	14. 4		39, 5		25. 1		_
2	53, 0000	32.1		-20.0	12, 1		39, 5		27. 4		_
3	80.8300	32.3		-19.9	12. 4		39. 5		27. 1		_
4	134, 5000	32.0		-19.5	12. 5	**********	39. 5		27. 0		_
5	489, 7200	29.0		-20. 1	8. 9		39.5		30. 6		_
6	672, 3000	31. 2		-20. 1	11. 1		39. 5		28. 4		_

UL Apex Co., Ltd.

: Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C COMPANY EQUIPMENT

REPORT NO : 24KE0255-YW-1

MODEL TEMP. /HUMID. : 23°C/43% DATE : June 29, 2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : TV Reception + Rec (25dBmV) : 4ch

NO	FREQ	REA	D1NG	C. F	RES	ULT	LIM	IT	MARG	SIN:	PHASE
	[MHz]	QP [dB μ V]	ΑV [dB μ V]	[dB]	QP [dB μ V]	ΑV [dB μ V]	QP [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	38. 6200	33.4		-20. 1	13. 3		39. 5		26. 2		_
2	53,0000	32.6	-	-20.0	12.6		39.5		26. 9		-
3	80, 8300	32.3		-19. 9	12. 4		39. 5		27. 1		-
4	134, 5000	31.8		-19.5	12, 3		39.5		27. 2		_
5	489, 7200	28.3	***************************************	-20. 1	8. 2		39.5		31.3		_
6	672, 3000	32.1		-20. 1	12.0	~~~~	39.5	. ———	27. 5		_

UL Apex Co., Ltd.

COMPANY EQUIPMENT : Orion Electric Co., Ltd. : DVD/VCR

REPORT NO DATE

: 24KE0255-YW-1

MODEL

: DVD2100-C

REGULATION

: June 29, 2004 : FCC Part15 Subpart B

TEMP. /HUMID.

: 23°C/43%

TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR playback : 4ch

NO	FREQ	REA	DING	C. F	RE\$	ULT	LIM	IT	MARG	GIN	PHASE
	[MHz]	QP [dBμV]	ΑV [dB μ V]	[dB]	QP [dB μ V]	ΑV [dB μ V]	QP [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	38. 6200	31.9		-20. 1	11.8		39.5		27. 7		_
2	53, 0000	31.9	***************************************	-20.0	11. 9		39.5	. —	27. 6		-
3	80, 8300	30.0	 -	-19.9	10. 1		39. 5		29. 4		
4	134, 5000	31.3		-19.5	11.8		39. 5		27. 7		_
5	489, 7200	27.2		-20. 1	7, 1		39. 5		32. 4		_
6	672.3000	31.9		-20. 1	11.8		39. 5		27.7		_

UL Apex Co., Ltd.

COMPANY **EQUIPMENT** : Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C : 23°C/43%

REPORT NO DATE

: 24KE0255-YW-1

MODEL

REGULATION

: June 29, 2004 : FCC Part15 Subpart B

TEMP. /HUMID.

TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD play : 4ch

NO	FREQ	REA	DING	C. F	RES	ULT	LIM	T	MARG	31N	PHASE
	[MHz]	QP [dB μ V]	ΑV [dB μ V]	[dB]	QP [dB μ V]	ΑV [dB μ V]	QP [dBμV]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	53. 8300	32.0		-20. 0	12. 0		39. 5	 -	27. 5		_
2	60.1200	35.1		-20.0	15. 1		39. 5		24, 4	************	_
3	80. 7800	28.6		-19. 9	. 8.7		39. 5		30.8		
4	134, 5000	31.3		-19.5	11.8		39. 5		27. 7		_
5	479, 7500	27.0		-20.0	7. 0		39. 5		32, 5		_
6	672.3400	32.3		-20. 1	12. 2		39.5		27, 3		_

UL Apex Co., Ltd.

COMPANY

: Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C

REPORT NO

: 24KE0255-YW-1

EQUIPMENT MODEL

DATE REGULATION : June 29, 2004 : FCC Part15 Subpart B

TEMP. /HUMID. : 23°C/43%

TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback : 3ch

LIMIT: FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ		DING	C. F	RES	ULT	LIM	١T	MARC	31N	PHASE	
	[MHz]	QP [dB μ V]	ΑV [dB <i>μ</i> V]	[dB]	QP [dB μ V]	ΑV [dB <i>μ</i> V]	QP [dB μ V]	ΑV [dΒ μ V]	QP [dB]	AV [dB]		
1	61. 2500	22.1		-20. 0	2. 1		9. 5		7.4		_	
2	122, 5000	21.4		-19.5	1.9		9.5		7. 6		_	
3	183, 7500	21.1		-19. 2	1.9		9.5		7. 6		_	
4	245, 0000	21.1		-19.0	2. 1		9.5		7.4		_	
5	306, 2500	20.1		-19.0	1.1		9.5		8.4		-	
6	367, 5000	19.9		-19.3	0. 6		9. 5		8. 9		-	

UL Apex Co., Ltd.

COMPANY

: Orion Electric Co., Ltd. : DVD/VCR : DVD2100-C : 23°C/43%

REPORT NO

EQUIPMENT MODEL

DATE

: June 29, 2004 REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

TEMP. /HUMID.

: 24KE0255-YW-1

OPERATION MODE : DVD Play : 3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ	REA	DING	C. F	RES	ULT	LIM	IT	MARG	BIN	PHASE	
	[MHz]	QP [dΒ μ V]	ΑV [dB μ V]	[dB]	QP [dB μ V]	ΑV [dB μ V]	QP [dBμV]	ΑV [dB μ V]	QP [dB]	AV [dB]		
1	61. 2500			-20. 0	2.3		9. 5		7. 2		_	
2	122, 5000	21,4		-19.5	1.9		9. 5		7.6		· _	
. 3	183.7500	21.1		-19. 2	1.9		9. 5		7.6		_	
4	245,0000	21.0		-19.0	2.0		9. 5		7.5		_	
5	306, 2500	20.1		-19.0	1, 1		9.5		8.4		_	
6	367, 5000	19.9		-19.3	0.6		9. 5		8.9		_	

UL Apex Co., Ltd.

COMPANY

: Orion Electric Co., Ltd.

REPORT NO

: 24KE0255-YW-1

EQUIPMENT MODEL

: DVD/VCR : DVD2100-C : 23°C/43%

DATE

: June 29, 2004

TEMP. /HUMID.

REGULATION : FCC Part15 Subpart B TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback : 4ch

LIMIT: FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ	REA	DING	C. F	RES	ULT	LIM	IT	MARG	IN	PHASE	
	[MHz]	QP [dB μ V]	ΑV [dB μ V]	[dB]	0Ρ [dB μ V]	ΑV [dB μ V]	QP [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]		
1	67, 2500	21.0		-19.9	1. 1		9.5		8. 4		_	
2	134, 5000	21. 2		-19.5	1, 7		9. 5		7.8		-	
3.	201.7500	21, 2		-19. 1	2. 1		9.5		7. 4		_	
4	269,0000	21.4		-18, 9	2. 5	.—	9.5		7. 0	 .	_	
5	336, 2500	20.2		-19. 1	1.1		9, 5		8. 4		_	
6	403, 5000	20.0		-19.6	0.4		9. 5		9. 1		-	

UL Apex Co., Ltd.

COMPANY EQUIPMENT : Orion Electric Co., Ltd. : DVD/VGR : DVD2100-C

REPORT NO DATE

: 24KE0255-YW-1 : June 29, 2004

MODEL

REGULATION

: FCC Part15 Subpart B

TEMP. /HUMID, : 23°C/43%

TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play : 4ch

LIMIT: FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ		DING	C. F	RES	ULT	LIM	IT	MARG	SIN	PHASE
	[MHz]	0P [dB μ V]	ΑV [dB μ V]	[dB]	QP [dB μ V]	AV [dBμV]	QP [dB μ V]	ΑV [dB μ V]	QP [dB]	AV [dB]	
1	67. 2500	21. 1		-19.9	1, 2		9. 5		8.3		_
2	134, 5000	21.2		-19.5	1. 7		9.5		7.8		_
3	201.7500	21.0		-19. 1	1.9		9.5		7.6		_
4	269,0000	21.2		-18, 9	2.3		9. 5		7. 2		_
5	336, 2500	20.0		-19. 1	0. 9		9.5		8.6		_
6	403.5000	20.0		-19.6	0.4		9. 5		9. 1		

Picture Sensitvity Test

UL Apex Co.,Ltd.

Yokowa EMC Laboratory

Company

: Orion Electric Co., Ltd.

Report Number: 24KE0255-YW-1

Equipment

: DVD/VCR

Regulation

: FCC Part15 SubpartB

Model Number

: DVD2100-C

Date

: June 29,2004

Power

: AC120 V / 60Hz

Temp / Humid : 26°/46%

Description

: TV Reception

Engineer

: Tsubasa Takayama

Remarks

: -

Ch [VHF]	Frequency [MHz]	Sensi [Mi	* 1	Ch [UHF]	Frequency [MHz]	Sensiti [MH	-
		[dBµV]	[μV]			$[dB \mu V]$	$[\mu V]$
2	55.25	20.0	10.0	14	471.25	21,1	11.4
3	61.25	16.5	6.7	20	507.25	21.8	12.3
4	67.25	16.1	6.4	26	543.25	22.0	12.6
5	77.25	16.8	6.9	32	579.25	23.2	14.5
6	83.25	17.4	7.4	38	615.25	24.1	16.0
7	175.25	18.8	8.7	44	651.25	24.1	16.0
8	181.25	18.8	8.7	50	687.25	24.1	16.0
9	187.25	18.7	8.6	56	723.25	21.9	12,4
10	193.25	18.9	8.8	62	759.25	22.2	12,9
11	199.25	18.5	8.4	69	801.25	22.2	12.9
12	205.25	18.4	8.3	-		-	
13	211.25	18.6	8.5	_		-	_
	Average VH	F	8.1	Average UHF			13.7
verage U	HF/VHF: 20	log UHF[μV]	/ VHF[μV]=	4.5	***************************************	[Limit : 8	3.0dB]

Noise Figure Test

UL Apex Co.,Ltd.

Yokowa EMC Laboratory

Company

: Orion Electric Co., Ltd.

Report Number: 24KE0255-YW-1

Equipment

; DVD/VCR

Regulation : FCC Part15 SubpartB

Model Number

: DVD2100-C

: June 29,2004

Power

: AC120 V / 60Hz

Date Temp / Humid : 26°/ 46%

Description

: TV Reception

Engineer

: Tsubasa Takayama

Remarks

Ch	Frequency [MHz]	Meter Reading [dB]	Correction Factor [dB]	Noise Figure [dB]	Limits [dB]	Margin [dB]
TV VHF Fu	ndamental		[4-2-5]	[022]		l
2	55.25	7.0	0.2	6.8	14.0	7.2
3	61,25	4.9	0.2	4.7	14.0	9.3
4	67.25	4.3	0.2	4.1	14.0	9.9
5	77.25	4.7	0.2	4.5	14.0	9.5
6	83.25	4.8	0.2	4.6	14.0	9,4
7	175.25	4.2	0.2	4.0	14.0	10.0
8	181.25	4,2	0.2	4.0	14.0	10.0
9	187.25	4.0	0.2	3.8	14.0	10.2
10	193.25	4.0	0.2	3.8	14.0	10.2
11	199.25	4.0	0.2	3.8	14.0	10.2
12	205.25	3.8	0.2	3.6	14,0	10.4
13	211.25	3.8	0.2	3.6	14,0	10.4
TV UHF Fu	indamental					J
14	471.25	5.8	0.3	5.5	14.0	8.5
20	507.25	5.6	0.3	5.3	14.0	8.7
26	543.25	6.0	0.3	5.7	14.0	8.3
32	579.25	7.0	0.3	6.7	14.0	7.3
38	615.25	7.6	0.3	7.3	14.0	6.7
44	651.25	7.0	0.3	6.7	14.0	7.3
50	687.25	6.5	0.3	6.2	14.0	7.8
56	723.25	6.0	0.4	5.6	14.0	8.4
62	759.25	5.8	0.4	5.4	14.0	8.6
69	801.25	5.8	0.4	5.4	14.0	8.6
Mid band			<u> </u>			L,,,
14	121.25	3.0	0.2	2.8	14.0	11.2
16	133.25	6.0	0.2	5.8	14.0	8.2
18	145.25	5.0	0.2	4.8	14.0	9.2
20	157.25	4.2	0.2	4.0	14.0	10.0
22	169.25	4.0	0.2	3.8	14.0	10.2
Super band						
23	217.25	3.8	0.2	3.6	14.0	10.4
26	235.25	3.9	0.2	3.7	14.0	10.3
29	253.25	3.9	0.2	3.7	14.0	10.3
32	271.25	4.0	0.2	3.8	14.0	10.2
36	295.25	4.0	0.2	3.8	14.0	10.2

APPENDIX 3 Test Instruments

Control No.	Instrument	Manufasturer	Model No	Test Item	Culibration Date * interval(month)
APVBT01	VIDEO BOOSTER	UL Apex	-	RF, ATS	_
APTVG01	TV Generator Leader		408NPS	RF, ATS	Pre Check
APSPA04	Spectrum Analyzer	Advantest	R3265	AT. RF. ATS	2004/05/14 * 12
APMAT05	Matching Pad	TME	ZT-130	AT, RF, ATS	2003/12/16 * 12
APNFM01	Noise Figure Indicator	Elena	ENF-2005	NF	2002/09/27 * 24
APNFS01	Noise Source	Elena	MC1100	NF	_
AV01-01	Signal Generator	Rohde & Schwarz	SMY01	PS	2004/02/19 * 12
SS-05	Digitizing Oscilloscope	Sony Tektronix	2221	PS	2004/01/22 * 12
APBPF01	Band pass filter	Erika Fiedler	BP	PS	Pre Check
APPRA01	Pre Amplifier	Anritsu	MH648A	AT, RF, ATS	2003/10/03 * 12
APPRA05	Pre Amplifier	Hewlett Packard	8449B	AT	2003/12/10 * 12
APCBL-01	Coaxial Cable	Fuiikura	5D-2W	AT, RF, ATS	2004/01/08 * 12
APCBL-02	Coaxial Cable	Fujikura	5D-2W	AT. RF. ATS	2004/01/08 * 12
OS-15	Digital Humidity	SATO	PG-5000TRH	RF. ATS, PS,	2004/05/06 * 12
AF-04	Pre Amplifier	Hewlett Packard	8449B	RE	2003/11/04 * 12
L\$-01	LISN(AMN)	Rohde & Schwarz	ESH2-Z5	CE	2003/10/31 * 12
SA-07	Spectrum Analyzer	Advantest	R3273	CE	2003/12/08 * 12
TR-01	Test Receiver	Rohde & Schwarz	ESHS20	ICE	2004/05/11 * 12
CC-1S	Yokowa No.1 shield coaxial(0.01MHz-1000M Hz)	UL Apex	CC-14,CC-15,CC-16, ,CC-18,CC-19,SW-11 ,SW-12	CE	2004/03/28 * 12
OS-05	Digital Humidity Indicator	SATO	PC-5000TRH	CE	2004/04/22 * 12
AF-03	Pre Amplifier	Anritsu	MH648A	RE	2004/03/28 * 12
AT-04	Attenuator	Anritsu	MP721B	RE	2004/03/26 * 12
BA-04	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/04/10 * 12
HA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2004/04/10 * 12
LA-05	Logperiodic Antenna	Schwarzbeck	UHALP9108-A	RE	2003/10/19 * 12
L\$-03	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2003/10/31 * 12
SA-05	Spectrum Analyzer	Advantest	R3271	RE	2003/12/21 * 12
TA-04	Terminator	TME	CT-01	CE	2004/05/02 * 12
TR-04	Test Receiver	Rohde & Schwarz	ESVS10	RE	2004/05/21 * 12
CC-2ORG	Yokowa No.2 open coaxial(0.01-1000MHz)	UL Apex	CC-21,CC-22,CC-23, CC-24,CC-25,CC-26, CC-27,SW-21,SW-22	RE	2004/03/28 * 12
YOATS-02	Open Test Site	JSE	3m, 10m	RE	2003/08/14 * 12
OS-10	Digital Humidity Indicator	\$ATO	PC-5000TRH	RE	2004/05/06 * 12
CC-C15	Microwave Cable	Suhner	SUCOFLEX	RE	2004/05/02 * 12
CC-C17	Microwave Cable	Suhner	SUCOFLEX	RE	2004/05/02 * 12
APTVG04	TV Generator	Leader	408	CE	Pre Check

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted emission

RE: Radiated emission

AT: Antenna terminal disturbance voltage

RF: RF output level & spurious ATS: Antenna transfer switch

PS: Picture sensitivity

NF: Noise figure