

DATA OF RADIATION TEST

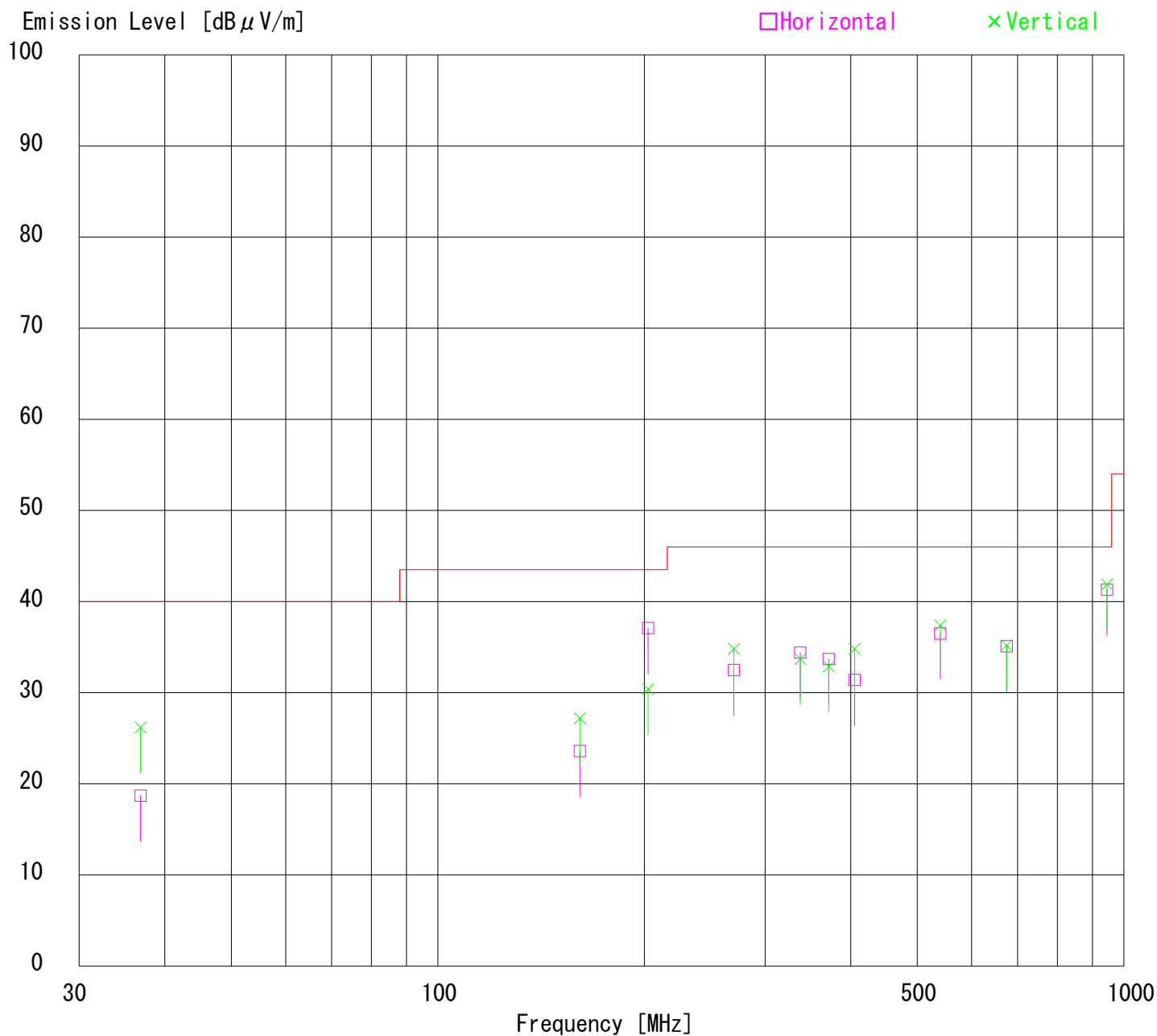
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama



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Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input1+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Test Distance : 3 m
Temperature : 22 °C Engineer : Tsubasa Takayama
Humidity : 40 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	51.7	53.2	24.2	39.9	3.4	0.0	39.4	40.9	74.0	34.6	33.1
2.	1215.08	BB	51.0	57.3	24.6	39.7	3.6	0.0	39.5	45.8	74.0	34.5	28.2
3.	1755.12	BB	47.7	52.2	27.0	38.8	4.5	0.0	40.4	44.9	74.0	33.6	29.1

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

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

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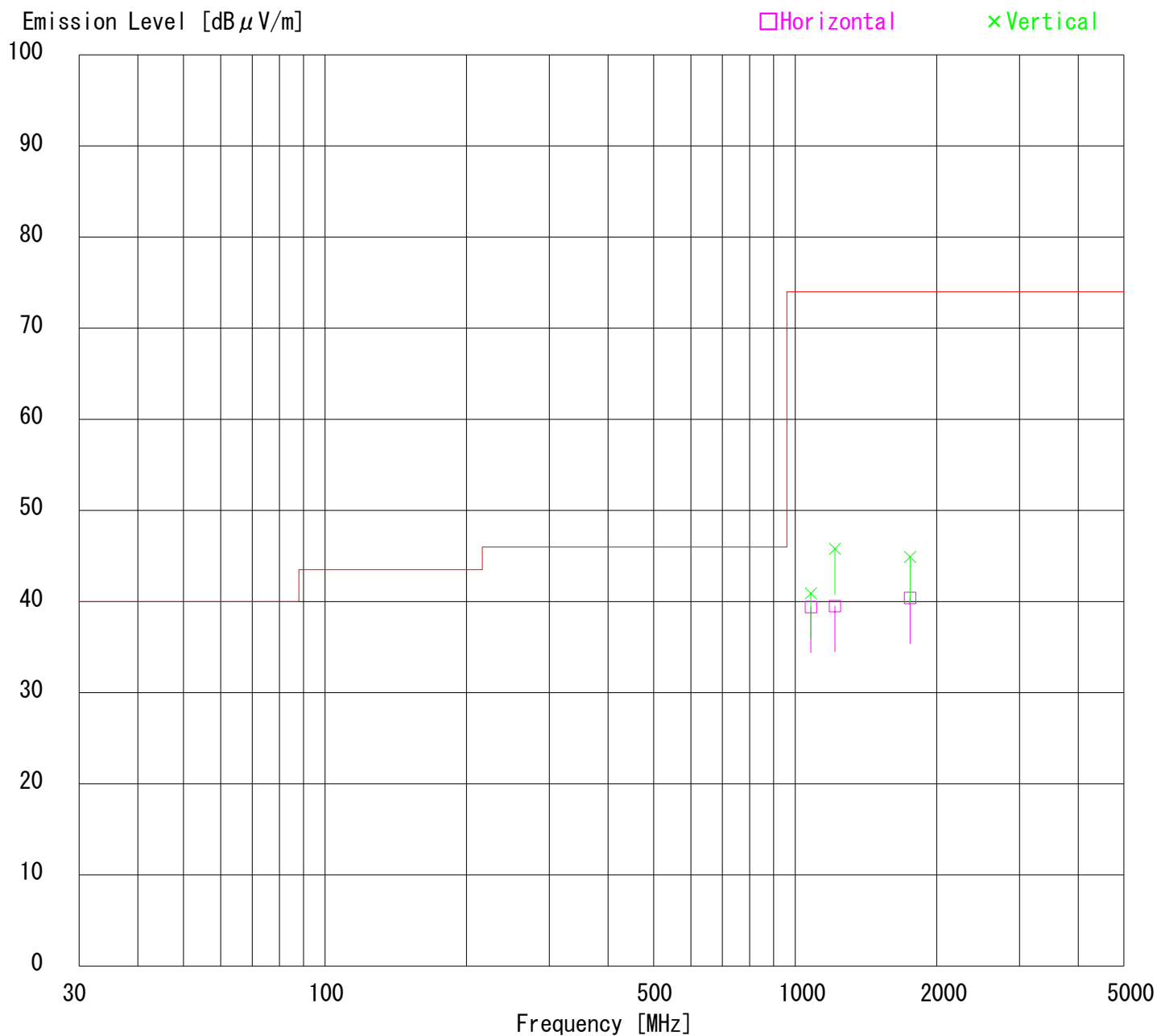
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Humidity : 40 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	42.7	46.6	24.2	39.9	3.4	0.0	30.4	34.3	54.0	23.6	19.7
2.	1215.08	BB	39.6	46.5	24.6	39.7	3.6	0.0	28.1	35.0	54.0	25.9	19.0
3.	1755.12	BB	36.1	45.3	27.0	38.8	4.5	0.0	28.8	38.0	54.0	25.2	16.0

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

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

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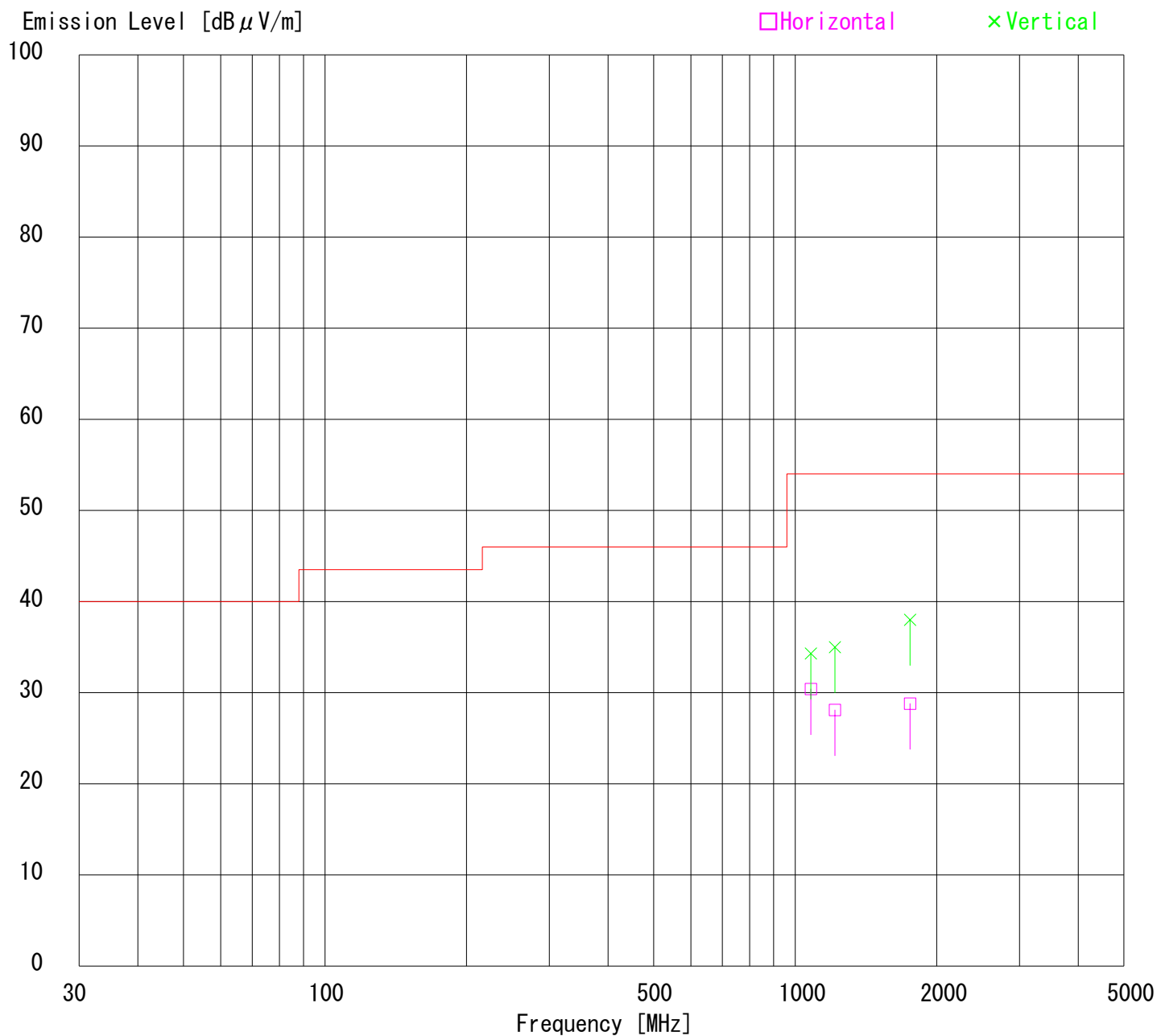
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Report No. : 26CE0147-YW-1

Applicant : Orion Electric Co., Ltd.
 Kind of Equipment : DVD Player with Video Cassette Recorder
 Model No. : SD-V394SU
 Serial No. : -
 Power : AC120V/60Hz
 Mode : AV Input2 Rec
 Remarks :
 Date : 11/14/2005
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 47 %
 Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	37.83	BB	24.8	29.3	15.6	28.2	1.3	5.8	19.3	23.8	40.0	20.7	16.2
2.	161.08	BB	25.9	32.1	15.2	27.9	2.7	5.8	21.7	27.9	43.5	21.8	15.6
3.	202.52	BB	40.8	33.5	17.1	27.8	3.1	5.8	39.0	31.7	43.5	4.5	11.8
4.	270.02	BB	32.6	33.0	18.5	27.8	3.7	5.8	32.8	33.2	46.0	13.2	12.8
5.	337.53	BB	33.0	34.6	17.1	27.9	4.2	5.9	32.3	33.9	46.0	13.7	12.1
6.	371.27	BB	33.8	33.0	17.5	27.9	4.4	5.9	33.7	32.9	46.0	12.3	13.1
7.	405.04	BB	34.9	34.4	17.9	28.0	4.7	5.9	35.4	34.9	46.0	10.6	11.1
8.	540.05	BB	34.4	33.3	19.8	27.9	5.5	5.9	37.7	36.6	46.0	8.3	9.4
9.	675.06	BB	28.0	29.2	22.0	27.3	6.3	5.9	34.9	36.1	46.0	11.1	9.9
10.	945.08	BB	28.2	28.9	26.1	27.1	7.8	6.0	41.0	41.7	46.0	5.0	4.3
11.	0.00	BB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
12.	945.08	BB	0.0	28.9	26.1	27.1	7.8	6.0	0.0	41.7	46.0	-	4.3

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

Except for the above table: adequate margin data below the limits.
 ANT. TYPE : 30-300MHz Biconical, 300-1000MHz Logperiodic

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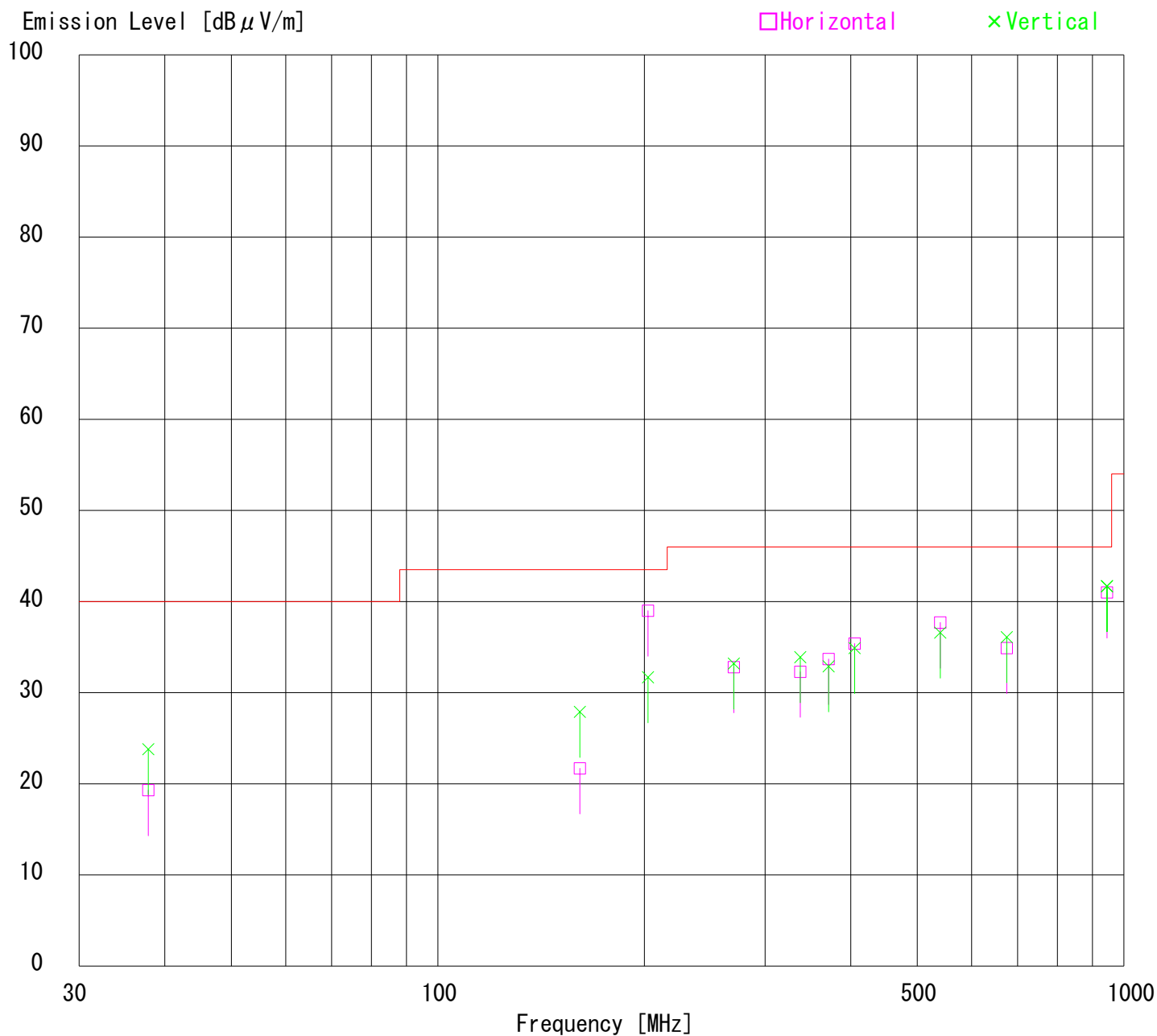
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Serial No. : -
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Remarks :
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Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



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Date : 11/14/2005
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Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	37.83	BB	24.8	29.3	15.6	28.2	1.3	5.8	19.3	23.8	40.0	20.7	16.2
2.	161.08	BB	25.9	32.1	15.2	27.9	2.7	5.8	21.7	27.9	43.5	21.8	15.6
3.	202.52	BB	40.8	33.5	17.1	27.8	3.1	5.8	39.0	31.7	43.5	4.5	11.8
4.	270.02	BB	32.6	33.0	18.5	27.8	3.7	5.8	32.8	33.2	46.0	13.2	12.8
5.	337.53	BB	33.0	34.6	17.1	27.9	4.2	5.9	32.3	33.9	46.0	13.7	12.1
6.	371.27	BB	33.8	33.0	17.5	27.9	4.4	5.9	33.7	32.9	46.0	12.3	13.1
7.	405.04	BB	34.9	34.4	17.9	28.0	4.7	5.9	35.4	34.9	46.0	10.6	11.1
8.	540.05	BB	34.4	33.3	19.8	27.9	5.5	5.9	37.7	36.6	46.0	8.3	9.4
9.	675.06	BB	28.0	29.2	22.0	27.3	6.3	5.9	34.9	36.1	46.0	11.1	9.9
10.	945.08	BB	28.2	28.9	26.1	27.1	7.8	6.0	41.0	41.7	46.0	5.0	4.3

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

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

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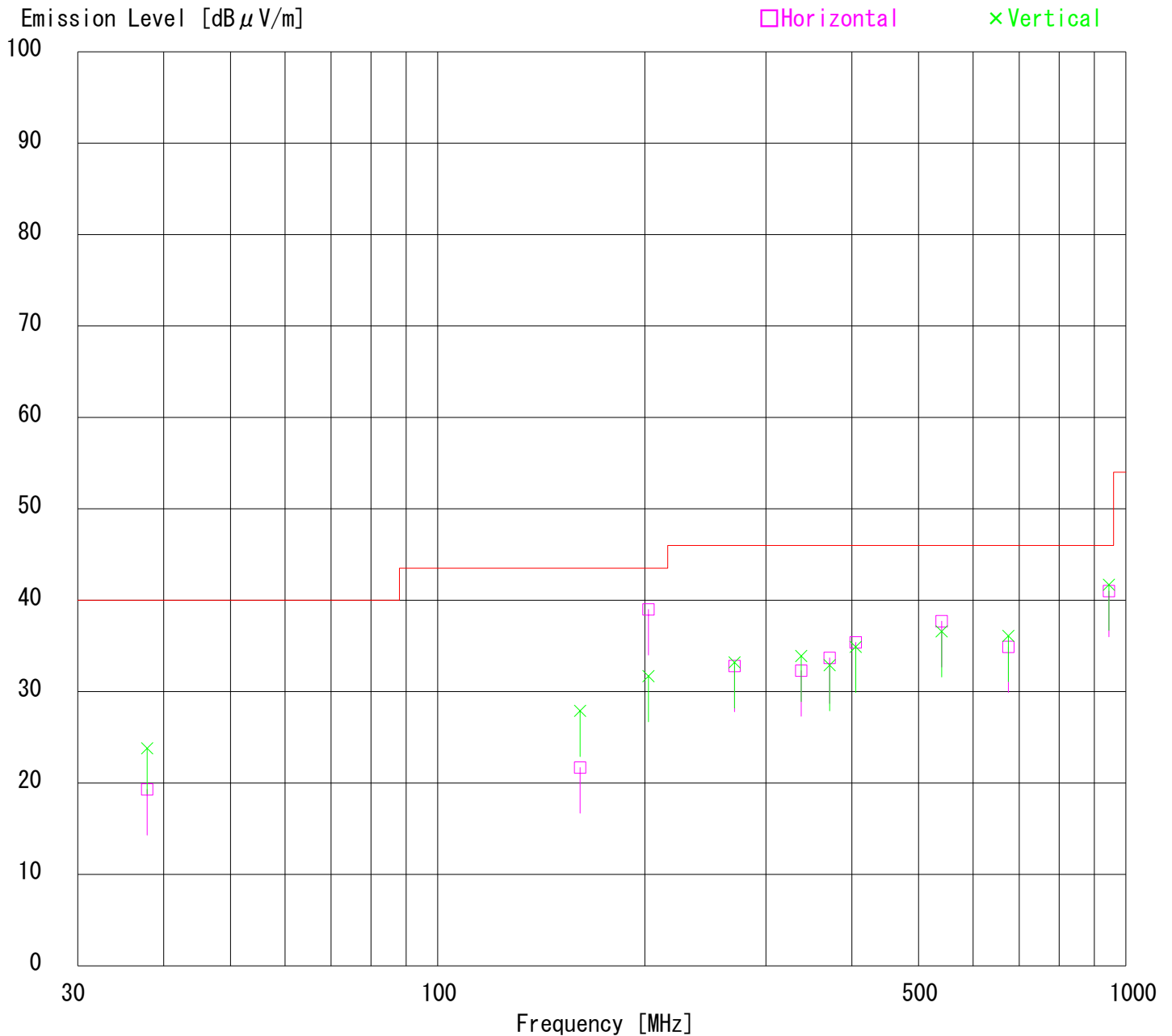
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Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : AV Input2+Rec
Remarks : 5Vp-p
Date : 11/15/2005
Test Distance : 3 m
Temperature : 22 °C Engineer : Tsubasa Takayama
Humidity : 40 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.01	BB	52.0	52.4	24.2	39.9	3.4	0.0	39.7	40.1	74.0	34.3	33.9
2.	1215.08	BB	51.3	56.8	24.6	39.7	3.6	0.0	39.8	45.3	74.0	34.2	28.7
3.	1755.12	BB	48.3	52.0	27.0	38.8	4.5	0.0	41.0	44.7	74.0	33.0	29.3

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

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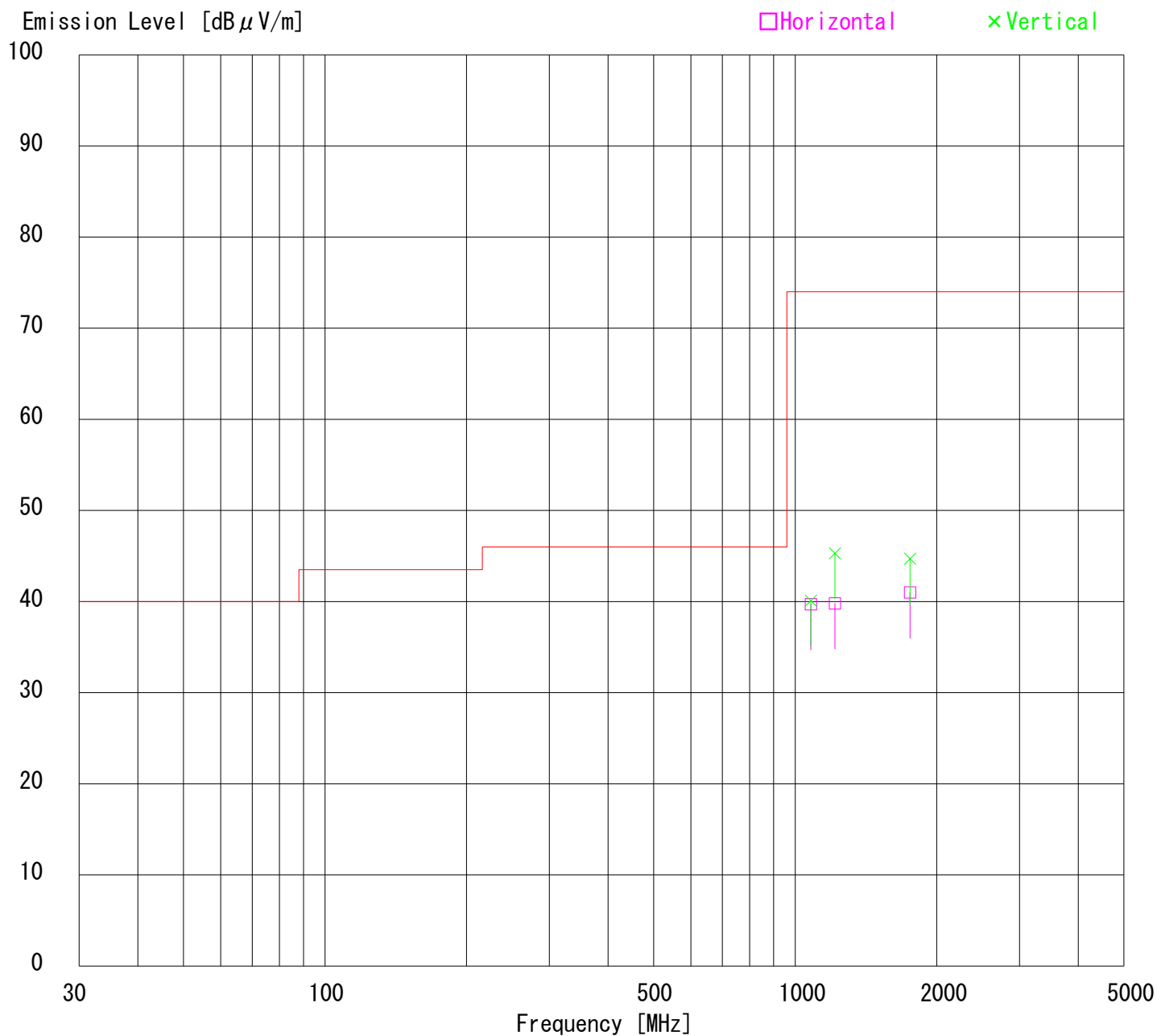
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No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.01	BB	43.7	46.0	24.2	39.9	3.4	0.0	31.4	33.7	54.0	22.6	20.3
2.	1215.08	BB	39.7	45.8	24.6	39.7	3.6	0.0	28.2	34.3	54.0	25.8	19.7
3.	1755.12	BB	36.3	44.9	27.0	38.8	4.5	0.0	29.0	37.6	54.0	25.0	16.4

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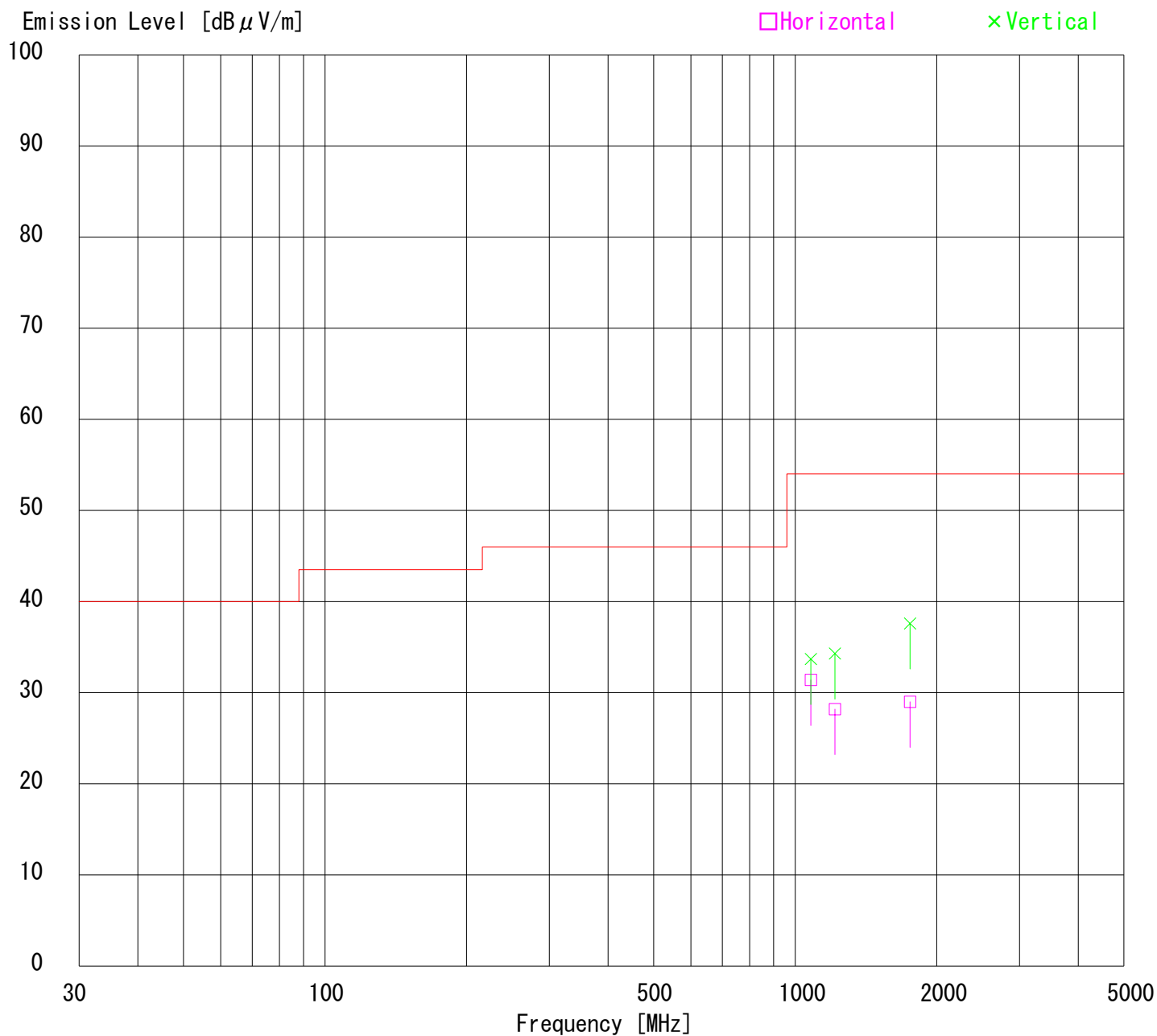
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Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks :
Date : 11/14/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity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

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	37.52	BB	23.8	29.3	15.7	28.2	1.3	5.8	18.4	23.9	40.0	21.6	16.1
2.	120.01	BB	34.0	33.7	13.5	28.0	2.3	5.8	27.6	27.3	43.5	15.9	16.2
3.	202.53	BB	38.3	30.1	17.1	27.8	3.1	5.8	36.5	28.3	43.5	7.0	15.2
4.	270.03	BB	34.9	31.9	18.5	27.8	3.7	5.8	35.1	32.1	46.0	10.9	13.9
5.	337.53	BB	37.0	37.4	17.1	27.9	4.2	5.9	36.3	36.7	46.0	9.7	9.3
6.	371.28	BB	36.3	35.8	17.5	27.9	4.4	5.9	36.2	35.7	46.0	9.8	10.3
7.	540.05	BB	33.6	31.4	19.8	27.9	5.5	5.9	36.9	34.7	46.0	9.1	11.3
8.	675.06	BB	29.6	30.4	22.0	27.3	6.3	5.9	36.5	37.3	46.0	9.5	8.7
9.	810.08	BB	25.4	27.5	23.3	27.1	7.0	5.9	34.5	36.6	46.0	11.5	9.4
10.	945.08	BB	30.0	27.9	26.1	27.1	7.8	6.0	42.8	40.7	46.0	3.2	5.3

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

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

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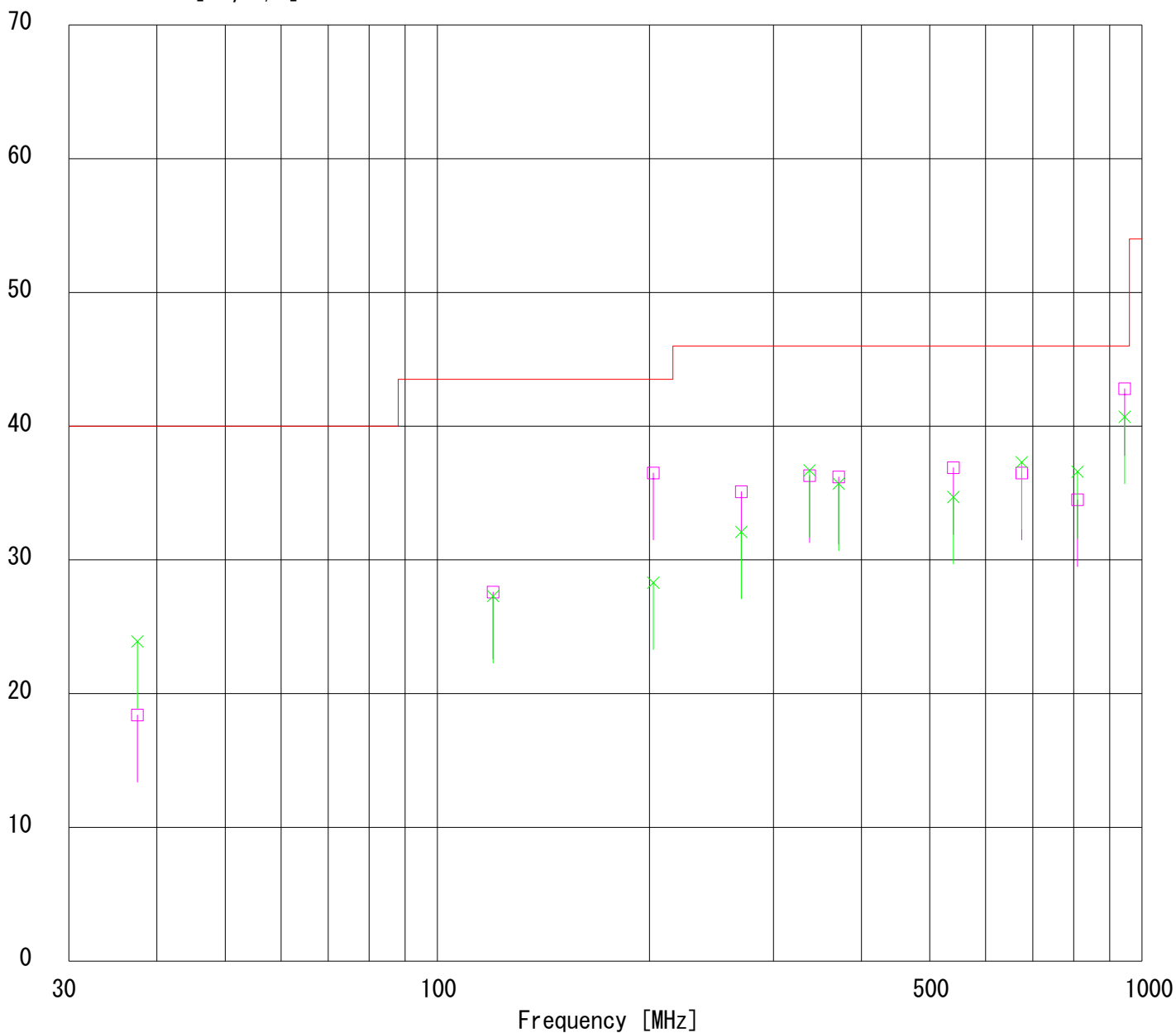
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Emission Level [dB μ V/m]

□ Horizontal

× Vertical



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1.	1080.07	BB	51.7	54.0	24.2	39.9	3.4	0.0	39.4	41.7	74.0	34.6	32.3
2.	1215.09	BB	49.9	56.6	24.6	39.7	3.6	0.0	38.4	45.1	74.0	35.6	28.9
3.	1755.12	BB	47.6	50.7	27.0	38.8	4.5	0.0	40.3	43.4	74.0	33.7	30.6

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

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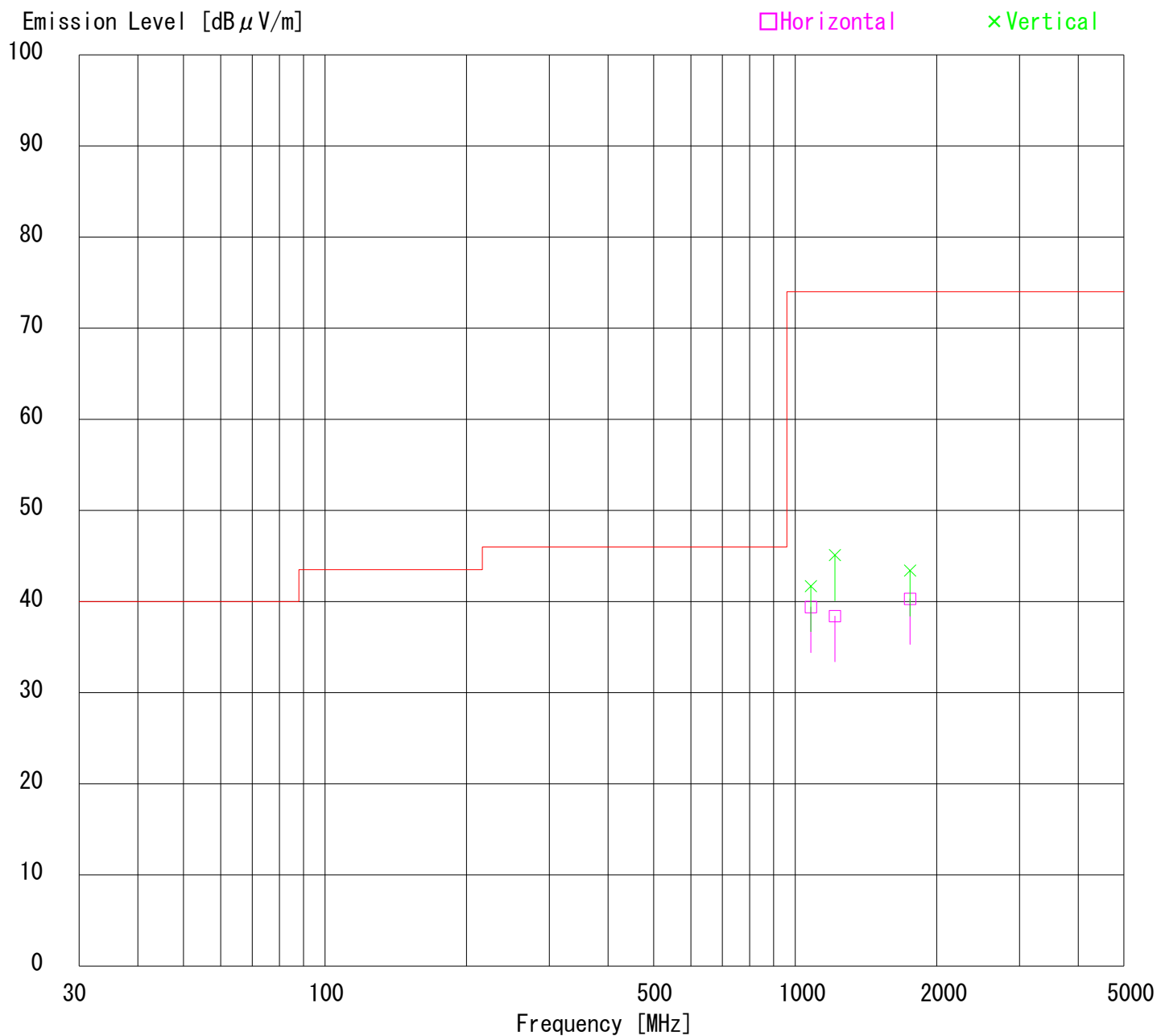
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No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	41.9	44.4	24.2	39.9	3.4	0.0	29.6	32.1	54.0	24.4	21.9
2.	1215.09	BB	38.6	44.3	24.6	39.7	3.6	0.0	27.1	32.8	54.0	26.9	21.2
3.	1755.12	BB	35.4	44.1	27.0	38.8	4.5	0.0	28.1	36.8	54.0	25.9	17.2

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

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DATA OF RADIATION TEST

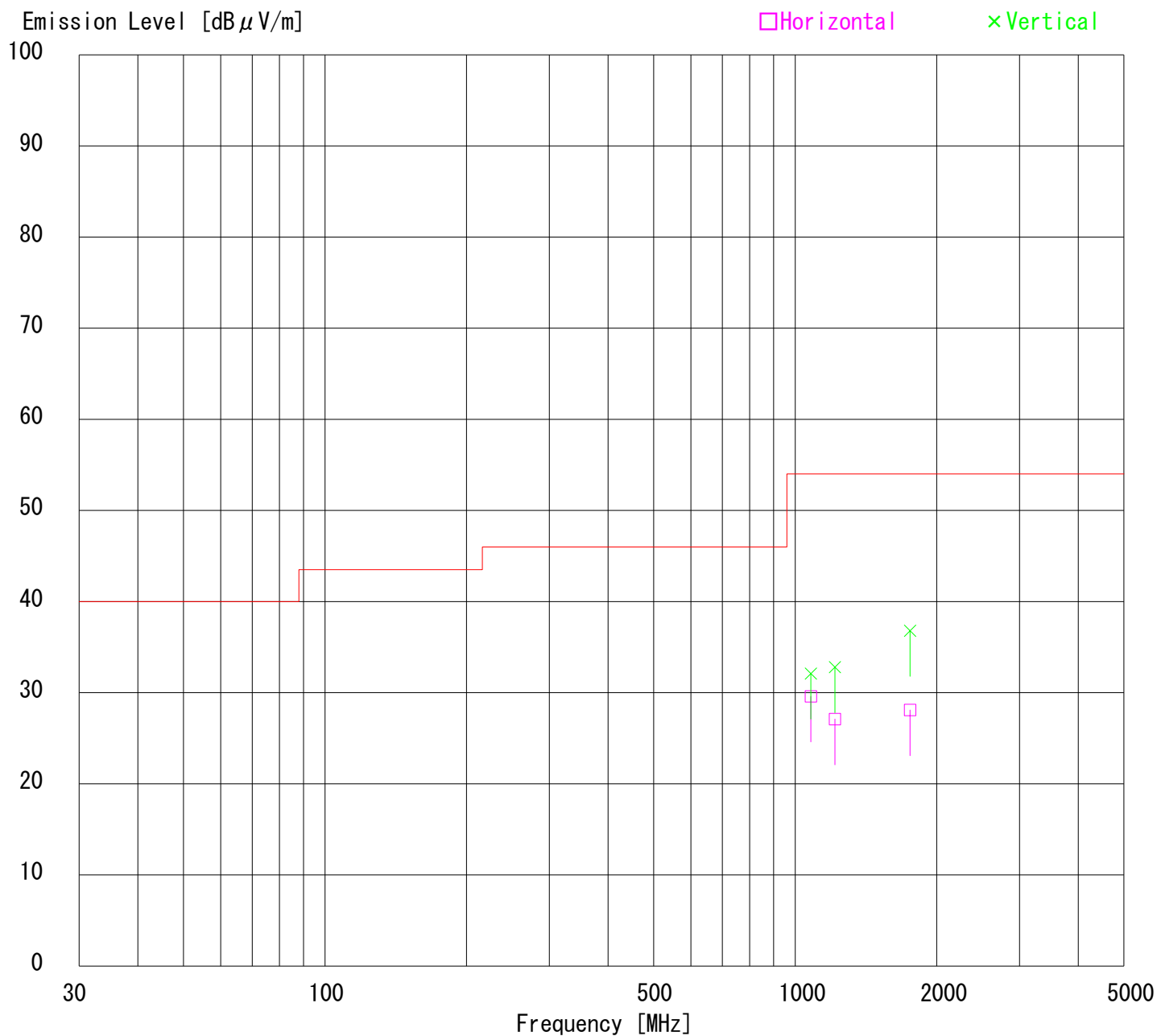
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	36.88	BB	24.3	31.3	15.9	28.2	1.3	5.8	19.1	26.1	40.0	20.9	13.9
2.	120.00	BB	33.6	32.7	13.5	28.0	2.3	5.8	27.2	26.3	43.5	16.3	17.2
3.	202.51	BB	37.7	28.5	17.1	27.8	3.1	5.8	35.9	26.7	43.5	7.6	16.8
4.	270.04	BB	40.9	38.6	18.5	27.8	3.7	5.8	41.1	38.8	46.0	4.9	7.2
5.	337.53	BB	35.5	36.4	17.1	27.9	4.2	5.9	34.8	35.7	46.0	11.2	10.3
6.	405.04	BB	34.0	32.8	17.9	28.0	4.7	5.9	34.5	33.3	46.0	11.5	12.7
7.	540.04	BB	35.0	32.2	19.8	27.9	5.5	5.9	38.3	35.5	46.0	7.7	10.5
8.	675.06	BB	28.4	29.2	22.0	27.3	6.3	5.9	35.3	36.1	46.0	10.7	9.9
9.	810.06	BB	27.6	31.0	23.3	27.1	7.0	5.9	36.7	40.1	46.0	9.3	5.9
10.	945.07	BB	27.7	29.4	22.4	28.9	8.6	6.0	35.8	37.5	46.0	10.2	8.5

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

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

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

DATA OF RADIATION TEST

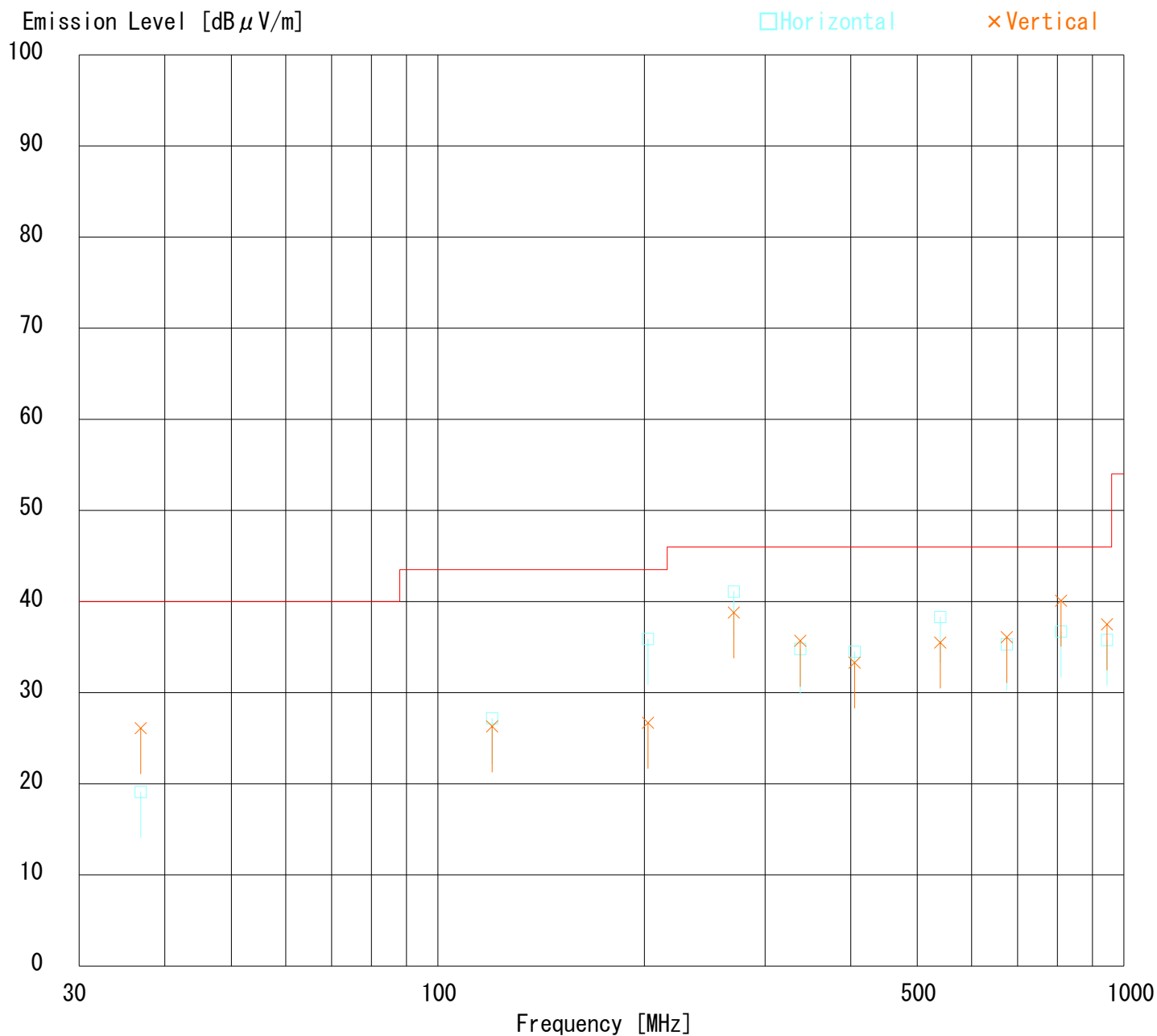
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	53.4	56.7	24.2	39.9	3.4	0.0	41.1	44.4	74.0	32.9	29.6
2.	1215.09	BB	51.6	60.7	24.6	39.7	3.6	0.0	40.1	49.2	74.0	33.9	24.8
3.	1755.18	BB	43.2	51.9	27.0	38.8	4.5	0.0	35.9	44.6	74.0	38.1	29.4

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

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

DATA OF RADIATION TEST

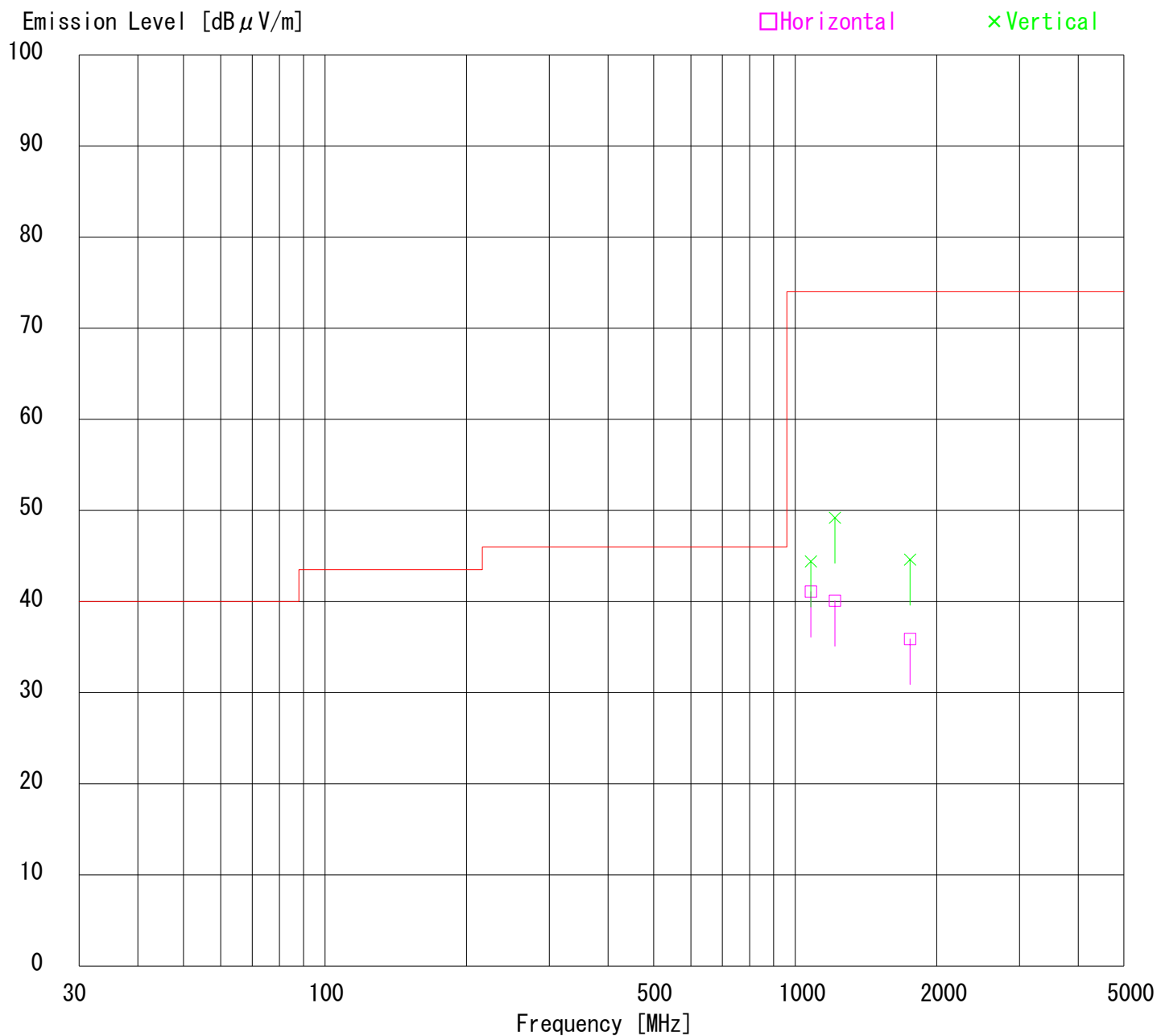
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1080.07	BB	43.1	48.2	24.2	39.9	3.4	0.0	30.8	35.9	54.0	23.2	18.1
2.	1215.09	BB	41.7	48.2	24.6	39.7	3.6	0.0	30.2	36.7	54.0	23.8	17.3
3.	1755.18	BB	37.6	44.3	27.0	38.8	4.5	0.0	30.3	37.0	54.0	23.7	17.0

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

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

DATA OF RADIATION TEST

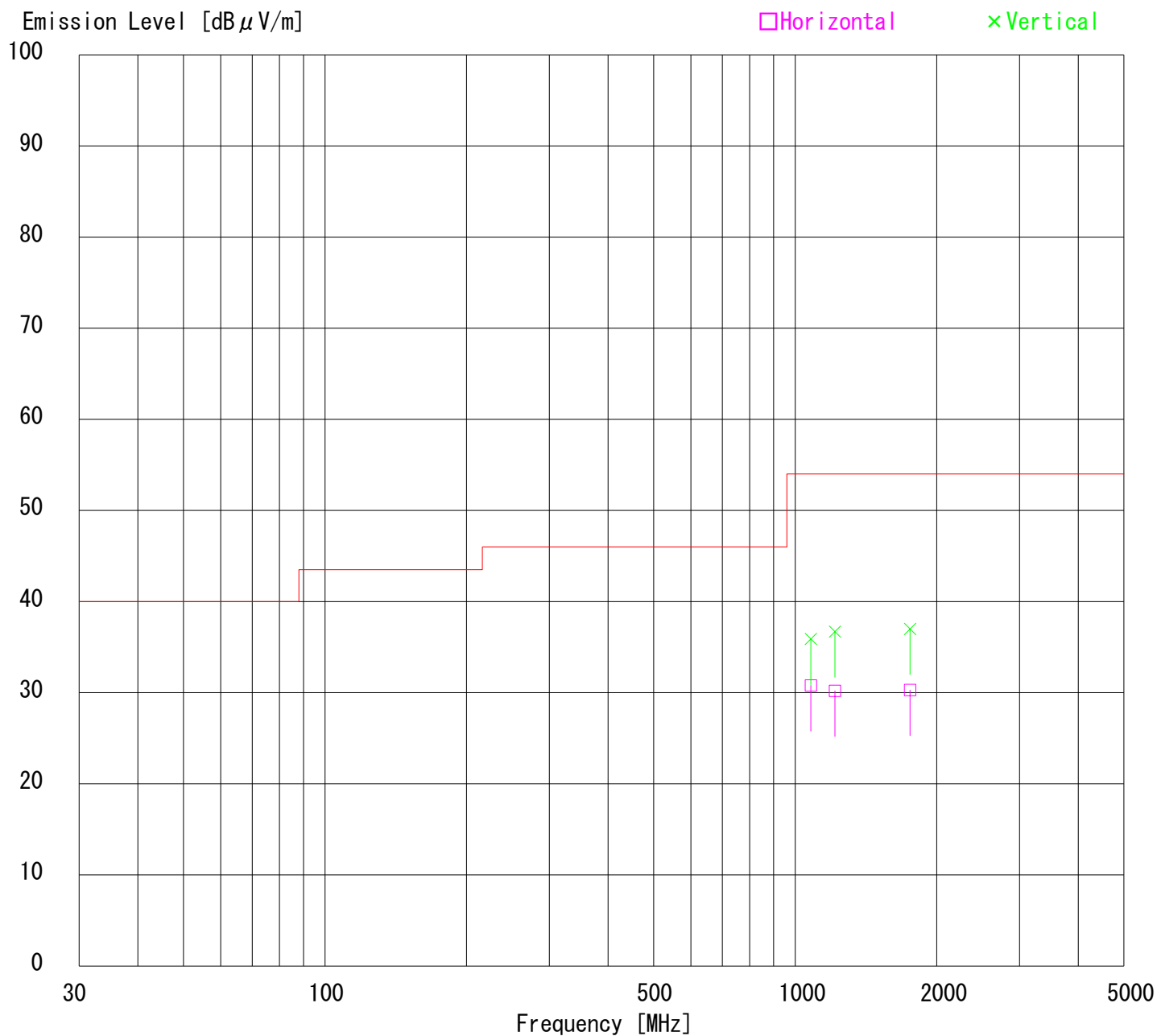
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-1

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

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks : Test Channel #3
Date : 11/15/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	61.25	BB	24.4	25.5	8.2	28.1	1.6	5.8	11.9	13.0	40.0	28.1	27.0
2.	65.75	BB	26.0	26.0	7.3	28.1	1.7	5.8	12.7	12.7	40.0	27.3	27.3
3.	122.50	BB	22.0	22.1	13.7	27.9	2.3	5.8	15.9	16.0	43.5	27.6	27.5
4.	245.00	BB	21.5	21.4	17.3	27.8	3.5	5.8	20.3	20.2	46.0	25.7	25.8

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

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

DATA OF RADIATION TEST

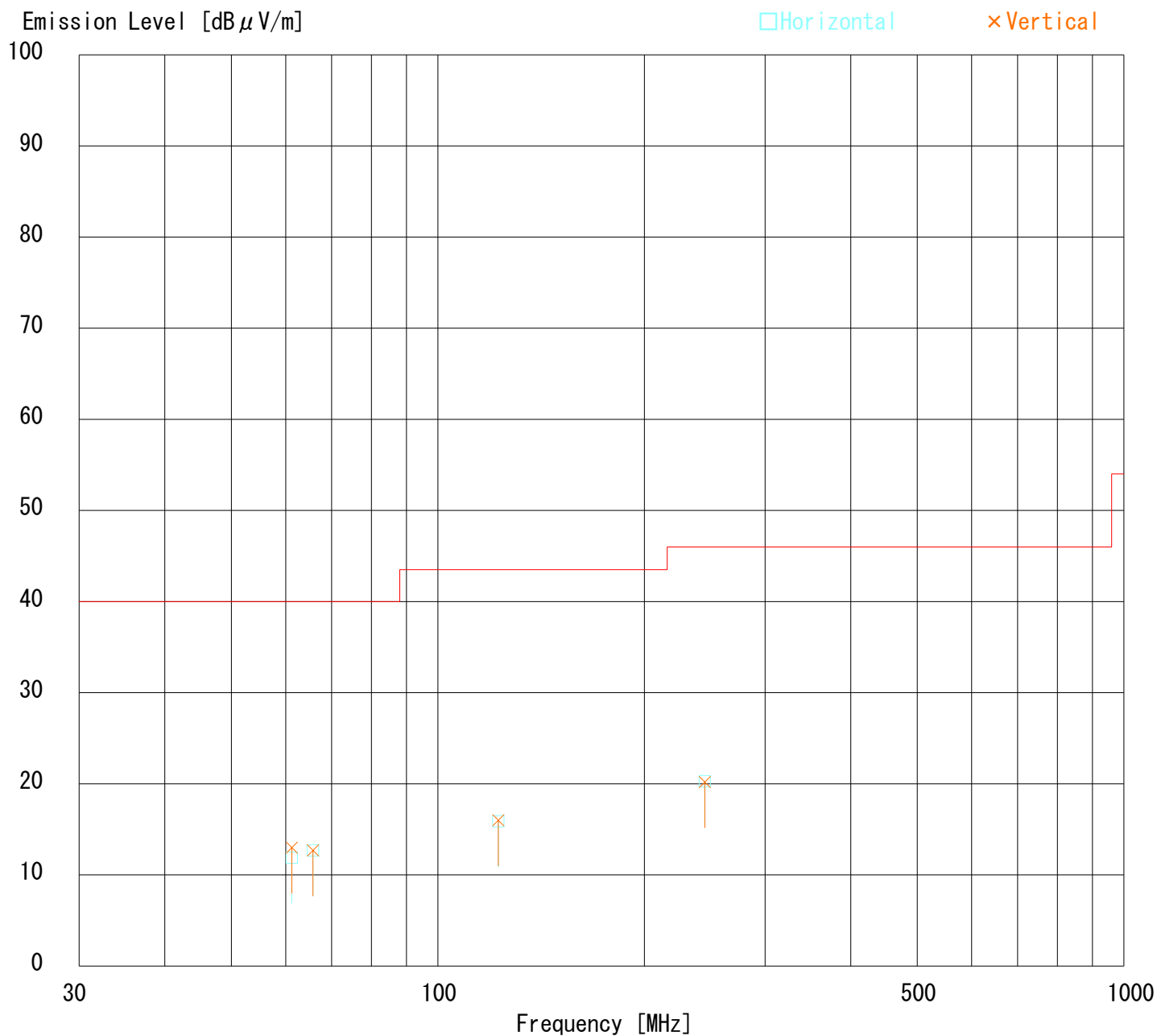
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks : Test Channel #3
Date : 11/15/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks : Test Channel #4
Date : 11/15/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	67.25	BB	24.0	24.5	7.0	28.1	1.7	5.8	10.4	10.9	40.0	29.6	29.1
2.	71.75	BB	23.8	23.3	6.5	28.1	1.8	5.8	9.8	9.3	40.0	30.2	30.7
3.	134.50	BB	22.0	22.0	14.4	27.9	2.4	5.8	16.7	16.7	43.5	26.8	26.8
4.	201.75	BB	21.6	21.9	17.1	27.8	3.1	5.8	19.8	20.1	43.5	23.7	23.4

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

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

DATA OF RADIATION TEST

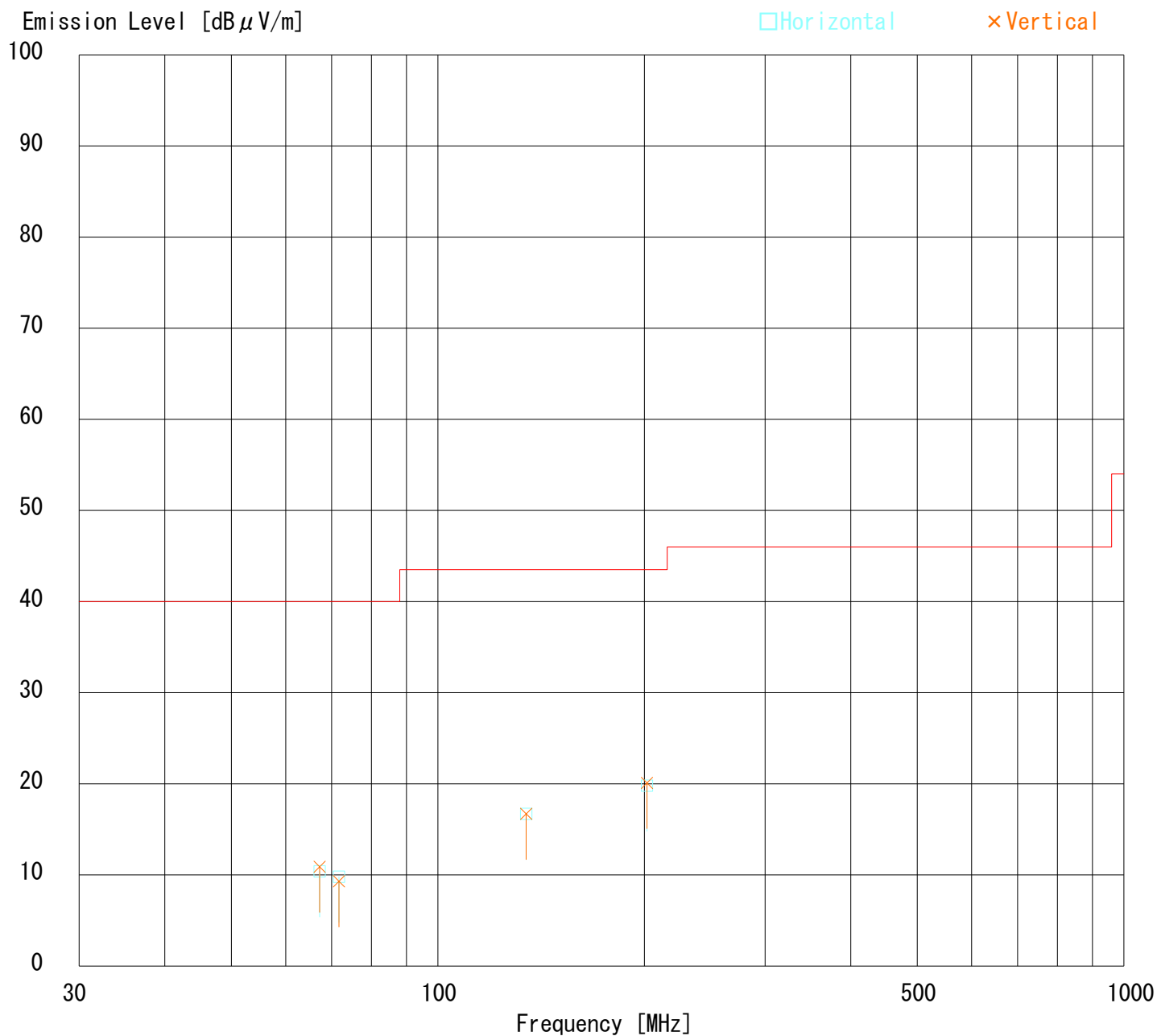
UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 26CE0147-YW-YW-1

Applicant : Orion Electric Co., Ltd.
Kind of Equipment : DVD Player with Video Cassette Recorder
Model No. : SD-V394SU
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback
Remarks : Test Channel #4
Date : 11/15/2005
Test Distance : 3 m
Temperature : 21 °C
Humidity : 47 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF ANTENNA TERMINAL TEST

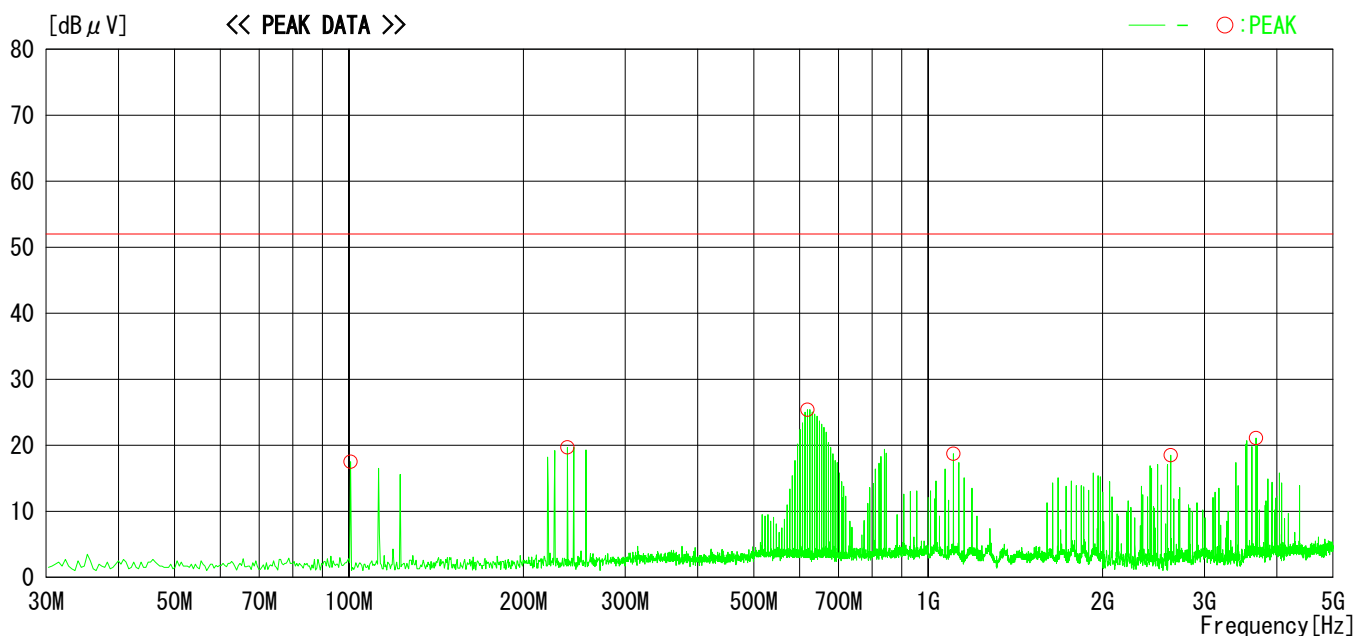
YOKOWA NO.7 S/R

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL NO. : SD-V394SU
OPERATION MODE : TV Tuning Mode

Report No. : 26CFE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 SubpartB
TEST ENGINEER : Tsubasa Takayama

TEMP./HUMID. : 24deg. C/31%

LIMIT : FCC 15B ANTENNA TERMINAL



NO	FREQ [MHz]	READING	C. F [dB]	RESULT [dB μ V]	LIMIT		MARGIN		PHASE
		PEAK [dB μ V]			PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	100.66400	37.5	-20.0	17.5	52.0	----	34.5	----	-
2	238.47190	39.0	-19.3	19.7	52.0	----	32.3	----	-
3	618.85350	45.2	-19.8	25.4	52.0	----	26.6	----	-
4	1105.70900	45.5	-26.8	18.7	52.0	----	33.3	----	-
5	2622.81600	43.8	-25.3	18.5	52.0	----	33.5	----	-
6	3681.37900	45.2	-24.1	21.1	52.0	----	30.9	----	-

CALCULATION: READING + CORRECTION FACTOR
CORRECTION FACTOR = MATCHING PAD LOSS[dB μ V] + CABLE LOSS[dB μ V]

DATA OF ANTENNA TERMINAL TEST

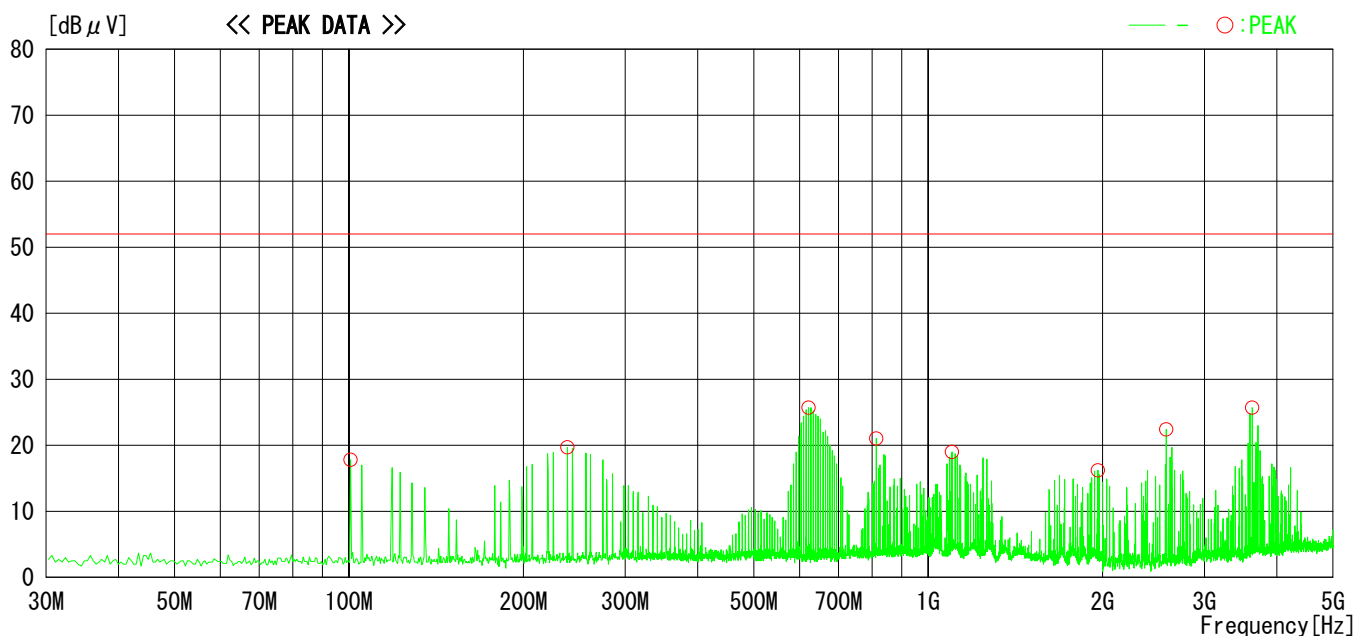
YOKOWA NO.7 S/R

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL NO. : SD-V394SU
OPERATION MODE : CATV Tuning Mode

Report No. : 26CFE0147-YW
DATE : October 20, 2005
REGULATION : FCC Part15 SubpartB
TEST ENGINEER : Tsubasa Takayama

TEMP./HUMID. : 24deg. C/31%

LIMIT : FCC 15B ANTENNA TERMINAL



CALCULATION: READING + CORRECTION FACTOR
CORRECTION FACTOR = MATCHING PAD LOSS[dB μ V] + CABLE LOSS[dB μ V]

RF Output Level

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : VCR Playback
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.5	20.4	64.1	69.5	5.4
4	67.25	83.6	20.3	63.3	69.5	6.2
Audio Signal						
3	56.75	70.0	20.5	49.5	56.5	7.0
	65.75	68.7	20.4	48.3	56.5	8.2
4	62.75	69.0	20.4	48.6	56.5	7.9
	71.75	67.8	20.3	47.5	56.5	9.0

RF Output Level

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : AV Input1+Rec
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

AV Input1(1Vp-p)

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.4	20.4	64.0	69.5	5.5
4	67.25	83.4	20.3	63.1	69.5	6.4
Audio Signal						
3	56.75	71.0	20.5	50.5	56.5	6.0
	65.75	70.0	20.4	49.6	56.5	6.9
4	62.75	70.3	20.4	49.9	56.5	6.6
	71.75	69.0	20.3	48.7	56.5	7.8

AV Input1(5Vp-p)

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.6	20.4	64.2	69.5	5.3
4	67.25	83.6	20.3	63.3	69.5	6.2
Audio Signal						
3	56.75	71.0	20.5	50.5	56.5	6.0
	65.75	69.8	20.4	49.4	56.5	7.1
4	62.75	69.5	20.4	49.1	56.5	7.4
	71.75	68.3	20.3	48.0	56.5	8.5

RF Output Level

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : AV Input2+Rec
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

AV Input2(1Vp-p)

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.2	20.4	63.8	69.5	5.7
4	67.25	83.6	20.3	63.3	69.5	6.2
Audio Signal						
3	56.75	71.0	20.5	50.5	56.5	6.0
	65.75	70.0	20.4	49.6	56.5	6.9
4	62.75	70.3	20.4	49.9	56.5	6.6
	71.75	69.4	20.3	49.1	56.5	7.4

AV Input2(5Vp-p)

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.1	20.4	63.7	69.5	5.8
4	67.25	83.4	20.3	63.1	69.5	6.4
Audio Signal						
3	56.75	70.9	20.5	50.4	56.5	6.1
	65.75	69.7	20.4	49.3	56.5	7.2
4	62.75	69.9	20.4	49.5	56.5	7.0
	71.75	68.3	20.3	48.0	56.5	8.6

RF Output Level

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : VCR Playback
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.5	20.4	64.1	69.5	5.4
4	67.25	83.6	20.3	63.3	69.5	6.2
Audio Signal						
3	56.75	70.0	20.5	49.5	56.5	7.0
	65.75	68.7	20.4	48.3	56.5	8.2
4	62.75	69.0	20.4	48.6	56.5	7.9
	71.75	67.8	20.3	47.5	56.5	9.0

RF Output Level

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : DVD Play
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : November 21 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

Ch	Frequency [MHz]	Meter Reading [dB μ V]	Correction Factor [dB]	Result [dB]	Limits [dB μ V]	Margin [dB]
Video Signal						
3	61.25	84.3	20.4	63.9	69.5	5.6
4	67.25	83.6	20.3	63.3	69.5	6.2
Audio Signal						
3	56.75	69.3	20.5	48.8	56.5	7.7
	65.75	68.1	20.4	47.7	56.5	8.8
4	62.75	68.3	20.4	47.9	56.5	8.6
	71.75	67.0	20.3	46.7	56.5	9.8

DATA OF RF SPURIOUS TEST

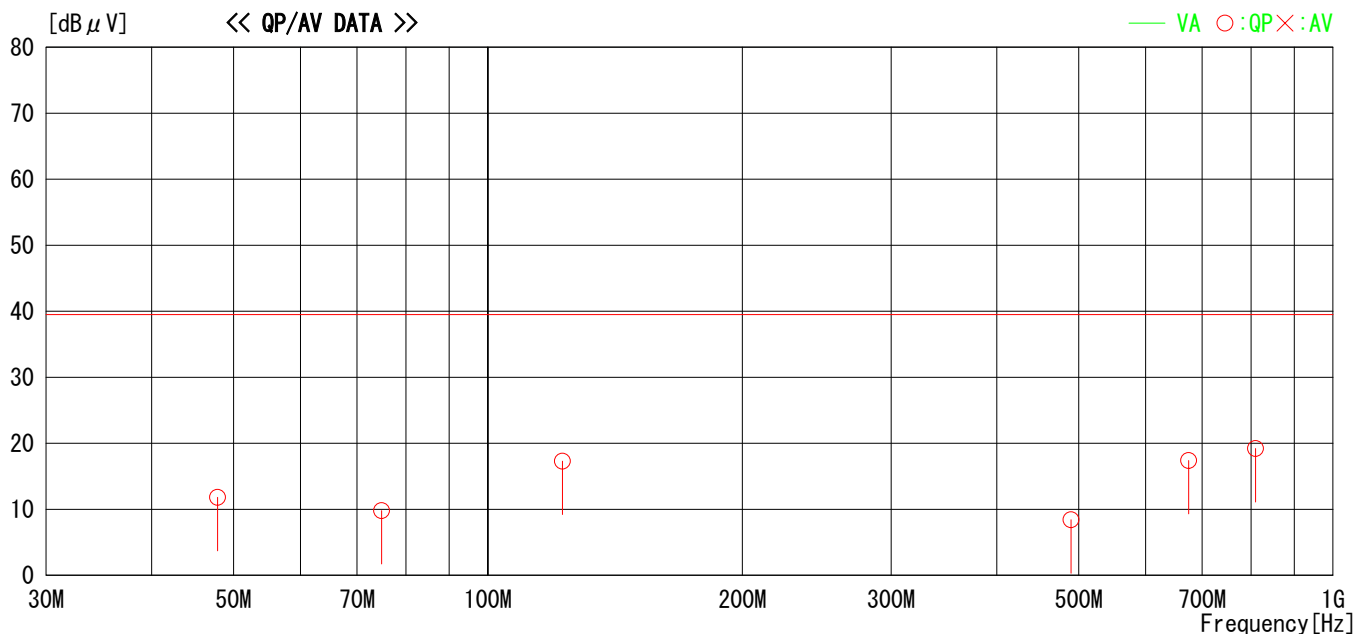
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : TV Reception + Rec (0dBm : 3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	47.8700	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	74.8400	30.1	----	-20.3	9.8	----	39.5	----	29.7	----	VA
3	122.5000	37.2	----	-19.9	17.3	----	39.5	----	22.2	----	VA
4	489.7400	28.0	----	-19.6	8.4	----	39.5	----	31.1	----	VA
5	674.9200	37.2	----	-19.8	17.4	----	39.5	----	22.1	----	VA
6	809.7300	38.8	----	-19.6	19.2	----	39.5	----	20.3	----	VA

CALCULATION: READING + MATCHING PAD LOSS + CABLE LOSS - AMP. GAIN

DATA OF RF SPURIOUS TEST

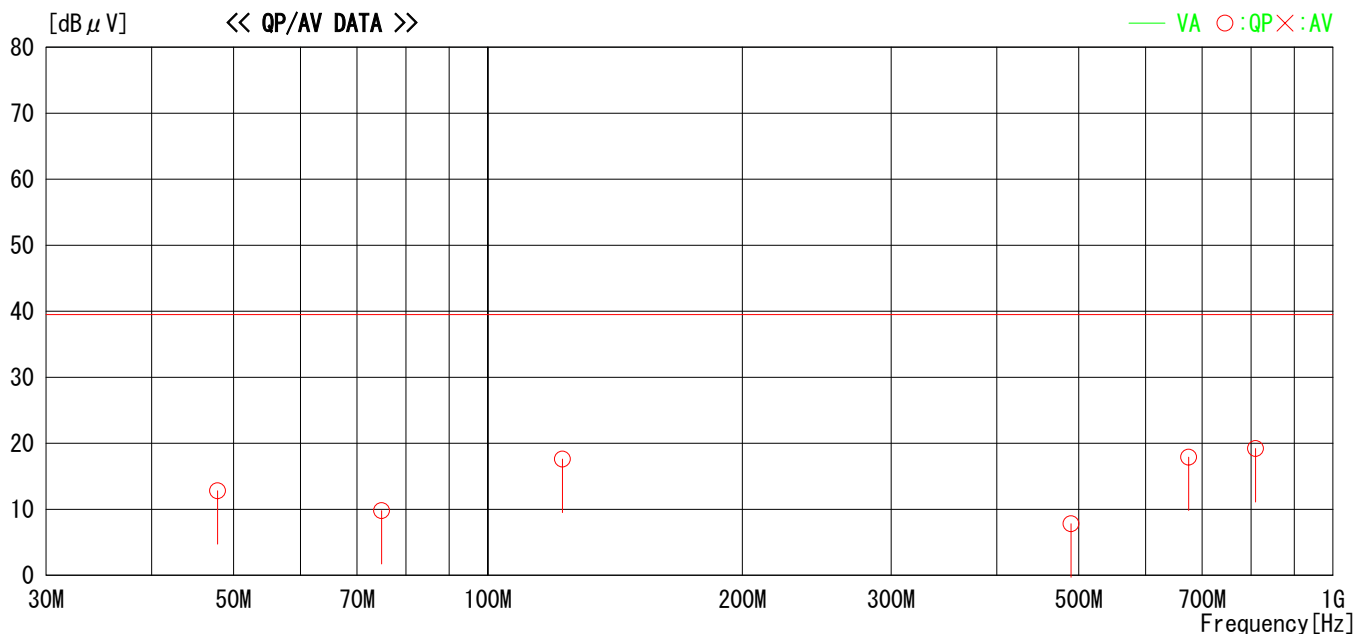
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	47.8700	33.3	----	-20.5	12.8	----	39.5	----	26.7	----	VA
2	74.8400	30.1	----	-20.3	9.8	----	39.5	----	29.7	----	VA
3	122.5000	37.5	----	-19.9	17.6	----	39.5	----	21.9	----	VA
4	489.7400	27.4	----	-19.6	7.8	----	39.5	----	31.7	----	VA
5	674.9200	37.7	----	-19.8	17.9	----	39.5	----	21.6	----	VA
6	809.7300	38.8	----	-19.6	19.2	----	39.5	----	20.3	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

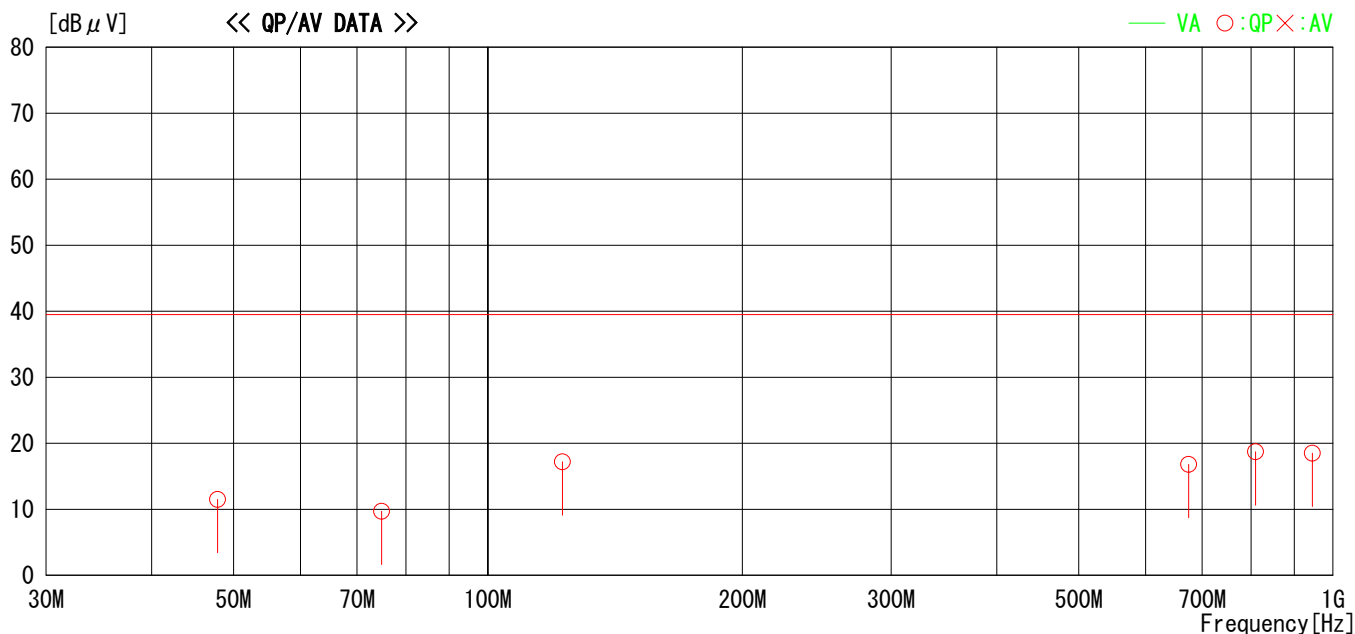
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 1 + Rec (1Vp-p : 3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



CALCULATION: READING + MATCHING PAD LOSS + CABLE LOSS - AMP. GAIN

DATA OF RF SPURIOUS TEST

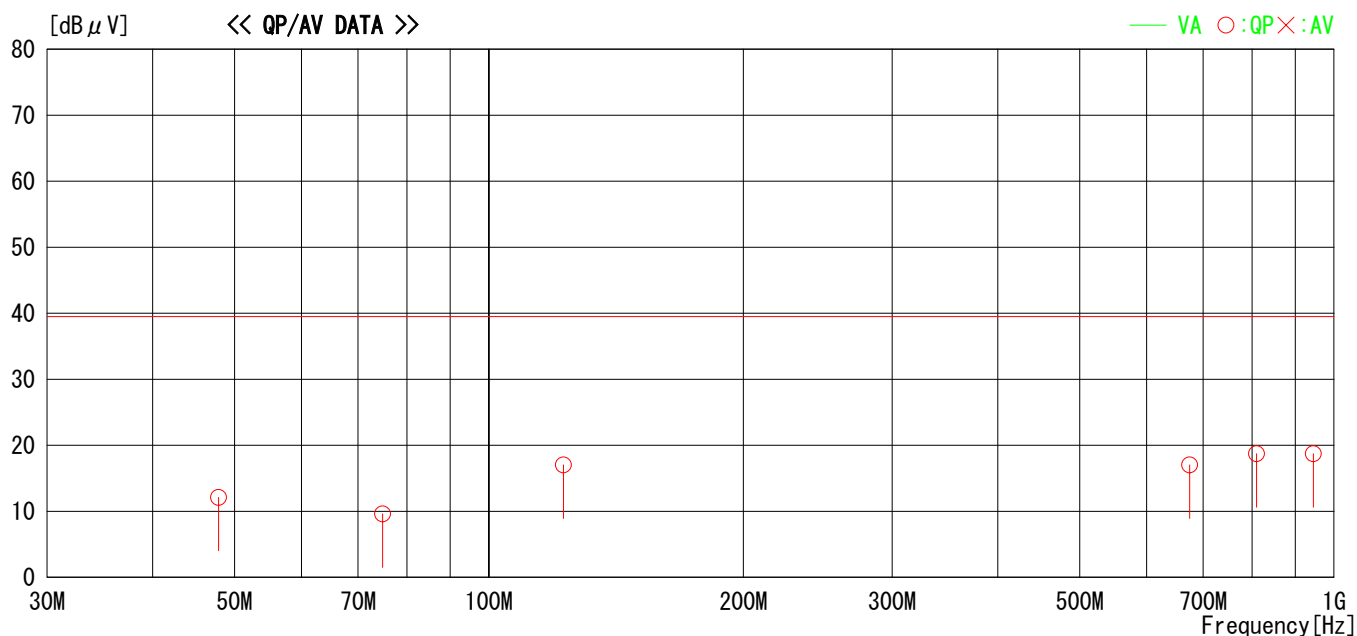
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 1 + Rec (5Vp-p : 3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



CALCULATION: READING + MATCHING PAD LOSS + CABLE LOSS - AMP. GAIN

DATA OF RF SPURIOUS TEST

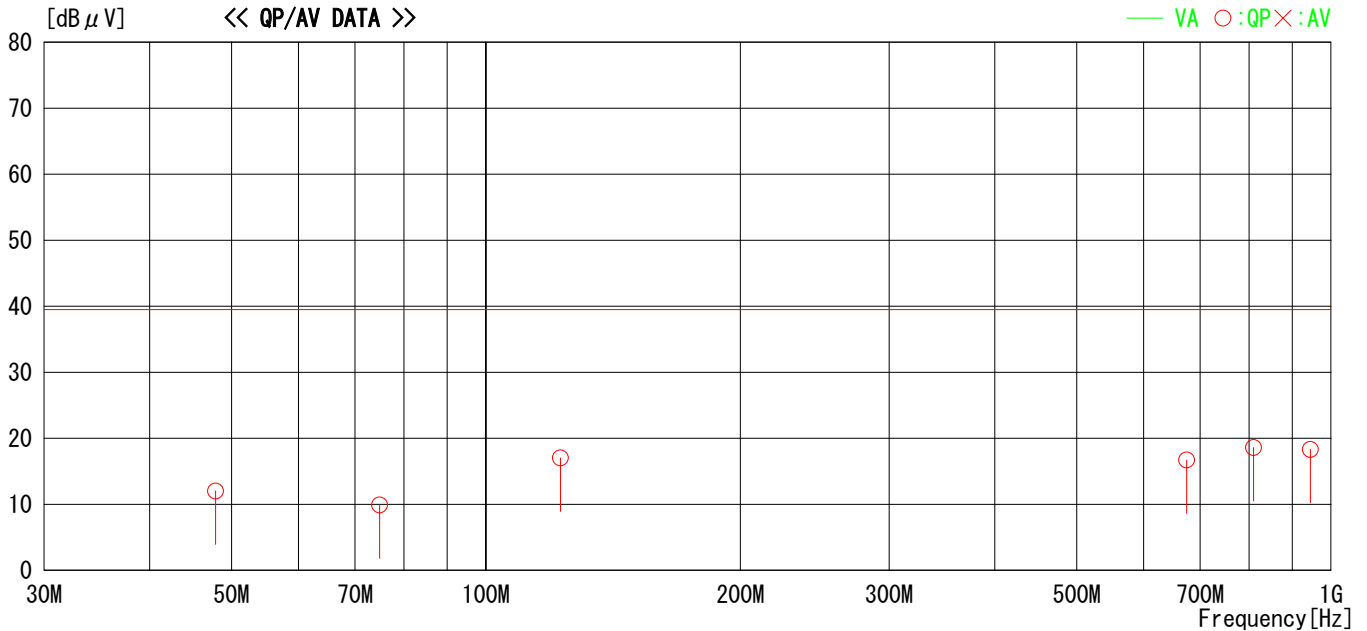
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 2 + Rec (1Vp-p : 3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	47.8700	32.5	----	-20.5	12.0	----	39.5	----	27.5	----	VA
2	74.8400	30.2	----	-20.3	9.9	----	39.5	----	29.6	----	VA
3	122.5000	36.9	----	-19.9	17.0	----	39.5	----	22.5	----	VA
4	674.9200	36.5	----	-19.8	16.7	----	39.5	----	22.8	----	VA
5	809.7300	38.2	----	-19.6	18.6	----	39.5	----	20.9	----	VA
6	945.1100	37.0	----	-18.7	18.3	----	39.5	----	21.2	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

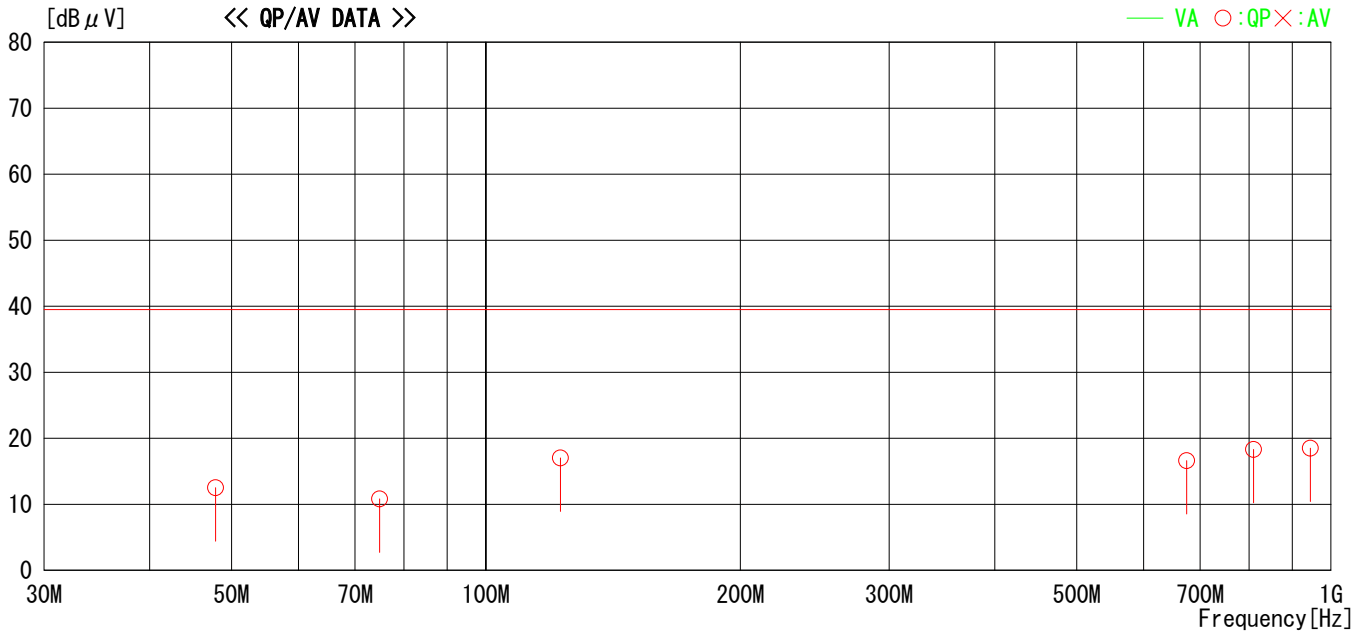
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 2 + Rec (5Vp-p : 3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	47.8700	33.0	----	-20.5	12.5	----	39.5	----	27.0	----	VA
2	74.8400	31.1	----	-20.3	10.8	----	39.5	----	28.7	----	VA
3	122.5000	36.9	----	-19.9	17.0	----	39.5	----	22.5	----	VA
4	674.9200	36.4	----	-19.8	16.6	----	39.5	----	22.9	----	VA
5	809.7300	37.9	----	-19.6	18.3	----	39.5	----	21.2	----	VA
6	945.1100	37.2	----	-18.7	18.5	----	39.5	----	21.0	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

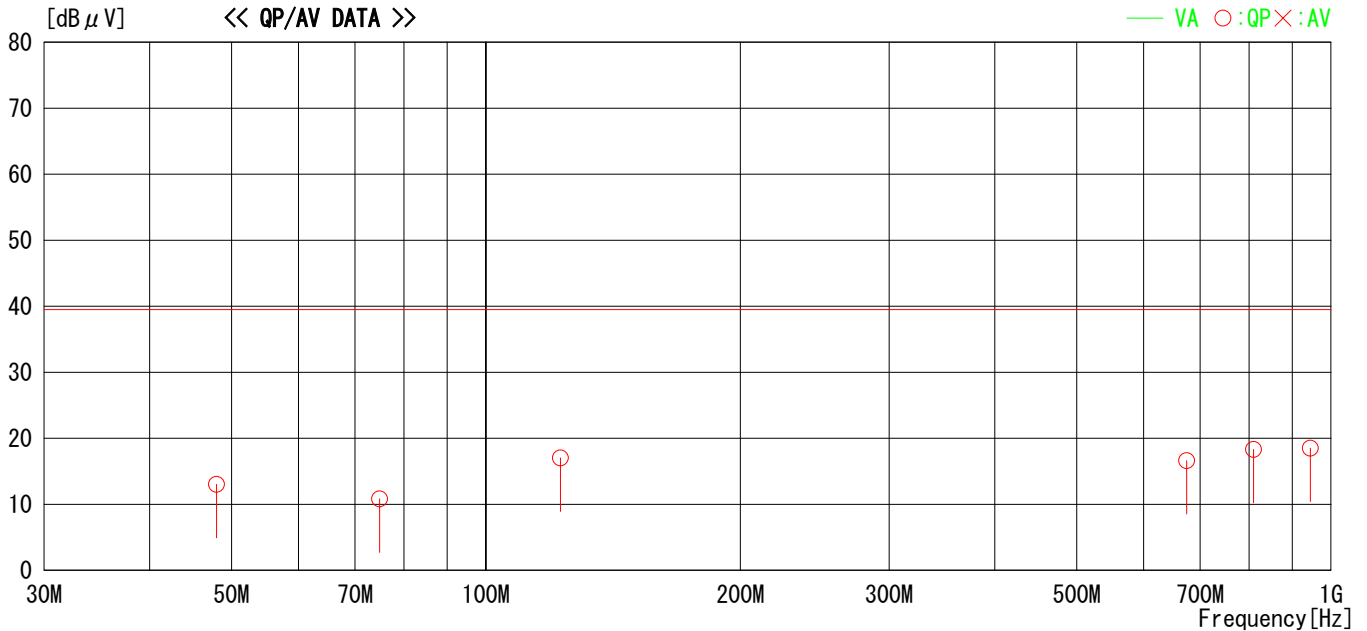
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback (3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	48.0000	33.5	----	-20.5	13.0	----	39.5	----	26.5	----	VA
2	74.8400	31.1	----	-20.3	10.8	----	39.5	----	28.7	----	VA
3	122.5000	36.9	----	-19.9	17.0	----	39.5	----	22.5	----	VA
4	674.9200	36.4	----	-19.8	16.6	----	39.5	----	22.9	----	VA
5	809.7300	37.9	----	-19.6	18.3	----	39.5	----	21.2	----	VA
6	945.1100	37.2	----	-18.7	18.5	----	39.5	----	21.0	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

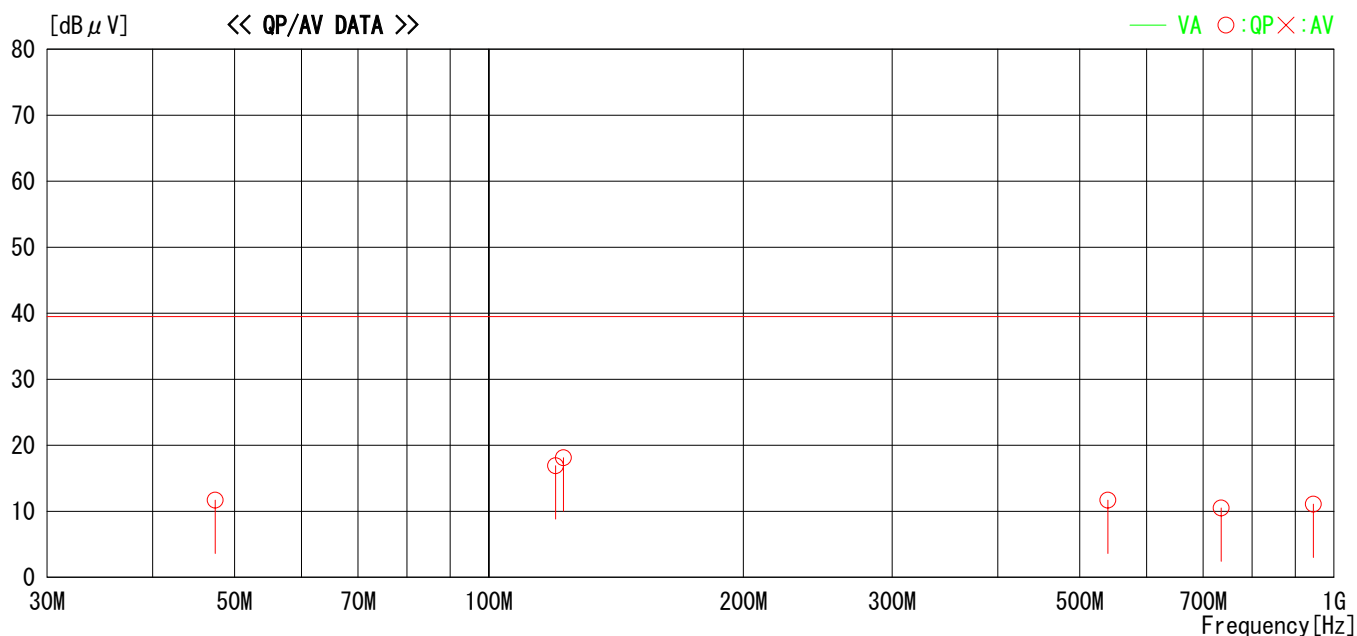
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : November 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play (3ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	47.4300	32.2	----	-20.5	11.7	----	39.5	----	27.8	----	VA
2	119.9200	36.8	----	-19.9	16.9	----	39.5	----	22.6	----	VA
3	122.5000	38.0	----	-19.9	18.1	----	39.5	----	21.4	----	VA
4	540.0000	31.4	----	-19.7	11.7	----	39.5	----	27.8	----	VA
5	735.2300	30.1	----	-19.6	10.5	----	39.5	----	29.0	----	VA
6	945.1100	29.8	----	-18.7	11.1	----	39.5	----	28.4	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

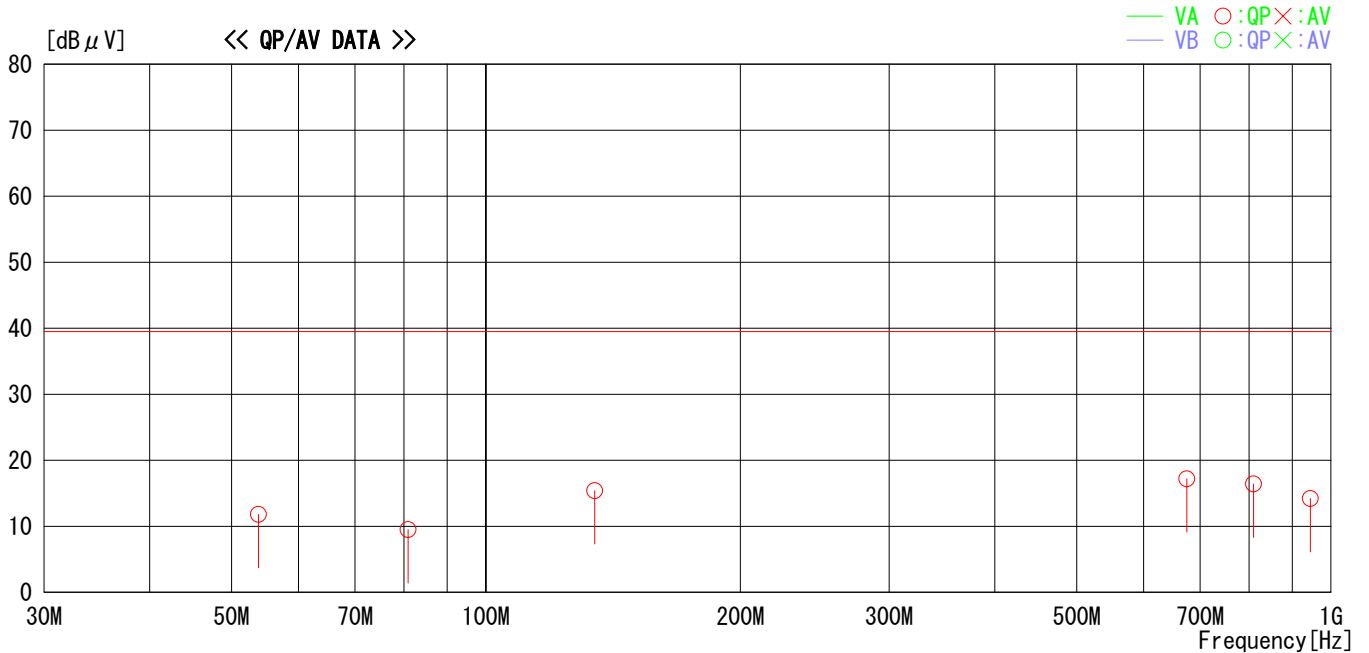
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : TV Reception + Rec (0dBmV : 4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	80.8900	29.6	----	-20.1	9.5	----	39.5	----	30.0	----	VA
3	134.5000	35.3	----	-19.9	15.4	----	39.5	----	24.1	----	VA
4	675.1000	37.0	----	-19.8	17.2	----	39.5	----	22.3	----	VA
5	809.7300	36.0	----	-19.6	16.4	----	39.5	----	23.1	----	VA
6	945.1100	32.9	----	-18.7	14.2	----	39.5	----	25.3	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

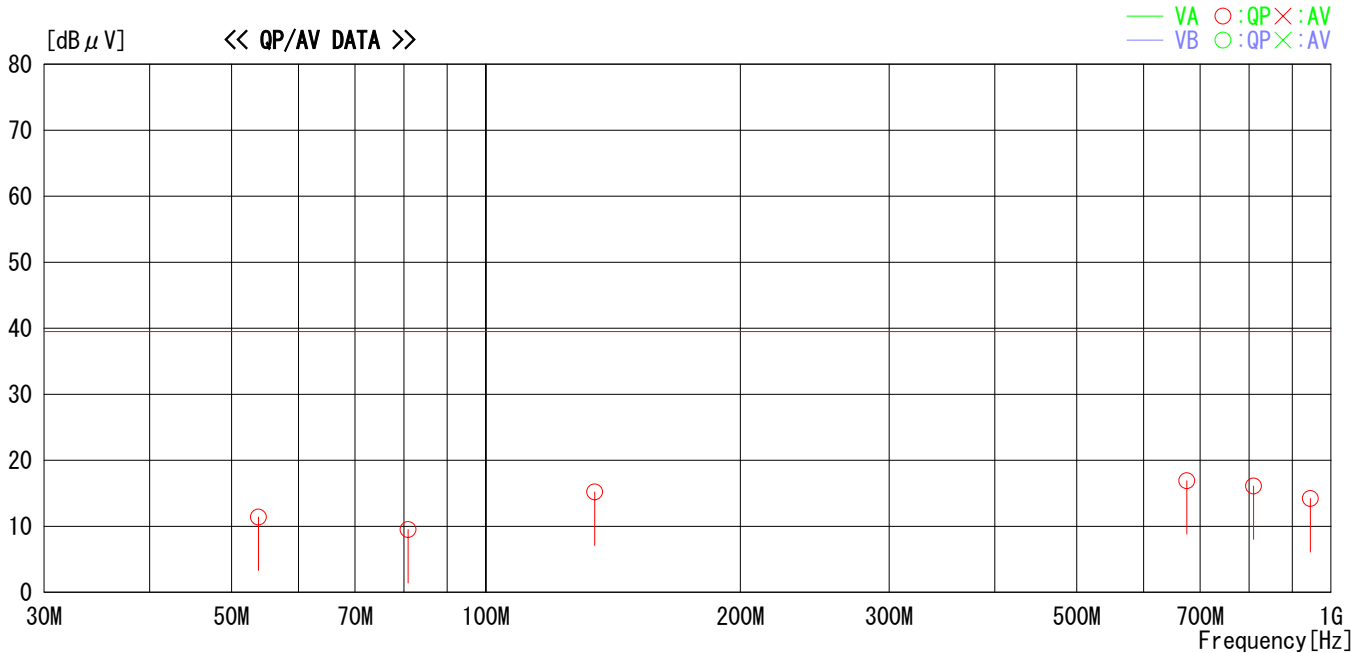
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	31.9	----	-20.5	11.4	----	39.5	----	28.1	----	VA
2	80.8900	29.6	----	-20.1	9.5	----	39.5	----	30.0	----	VA
3	134.5000	35.1	----	-19.9	15.2	----	39.5	----	24.3	----	VA
4	675.1000	36.7	----	-19.8	16.9	----	39.5	----	22.6	----	VA
5	809.7300	35.7	----	-19.6	16.1	----	39.5	----	23.4	----	VA
6	945.1100	32.9	----	-18.7	14.2	----	39.5	----	25.3	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

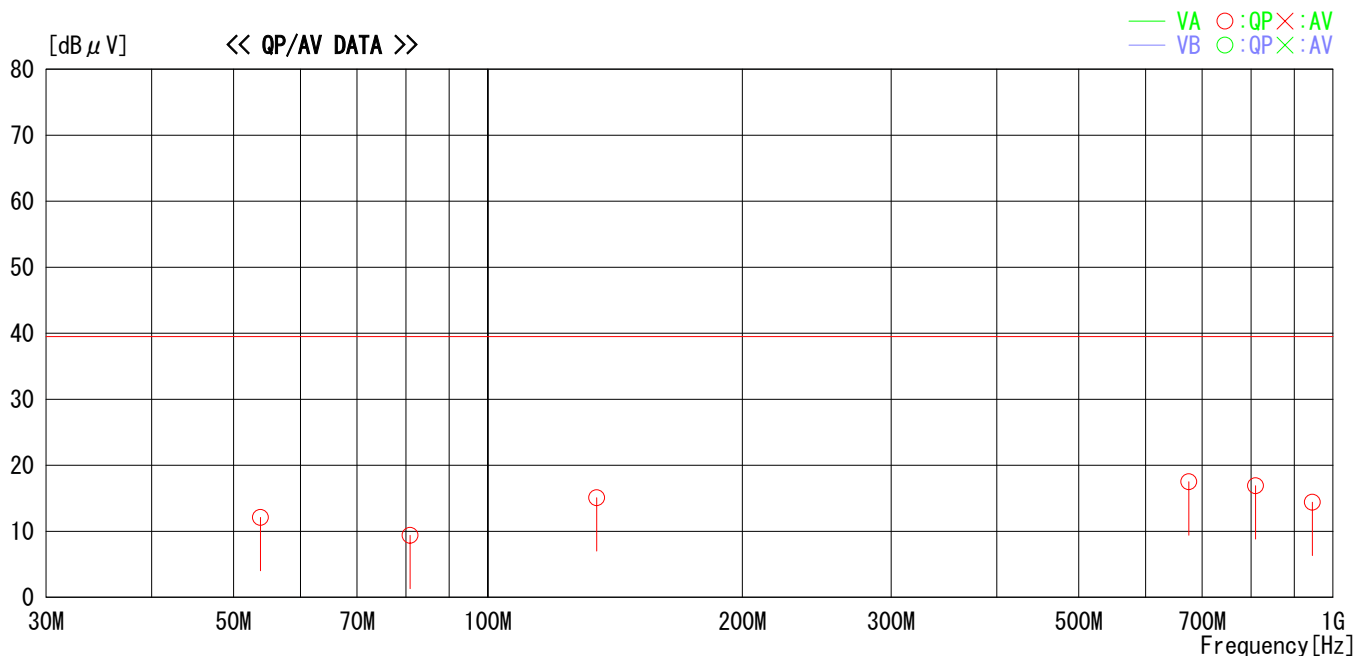
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 1 + Rec (1Vp-p : 4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



CALCULATION: READING + MATCHING PAD LOSS + CABLE LOSS - AMP. GAIN

DATA OF RF SPURIOUS TEST

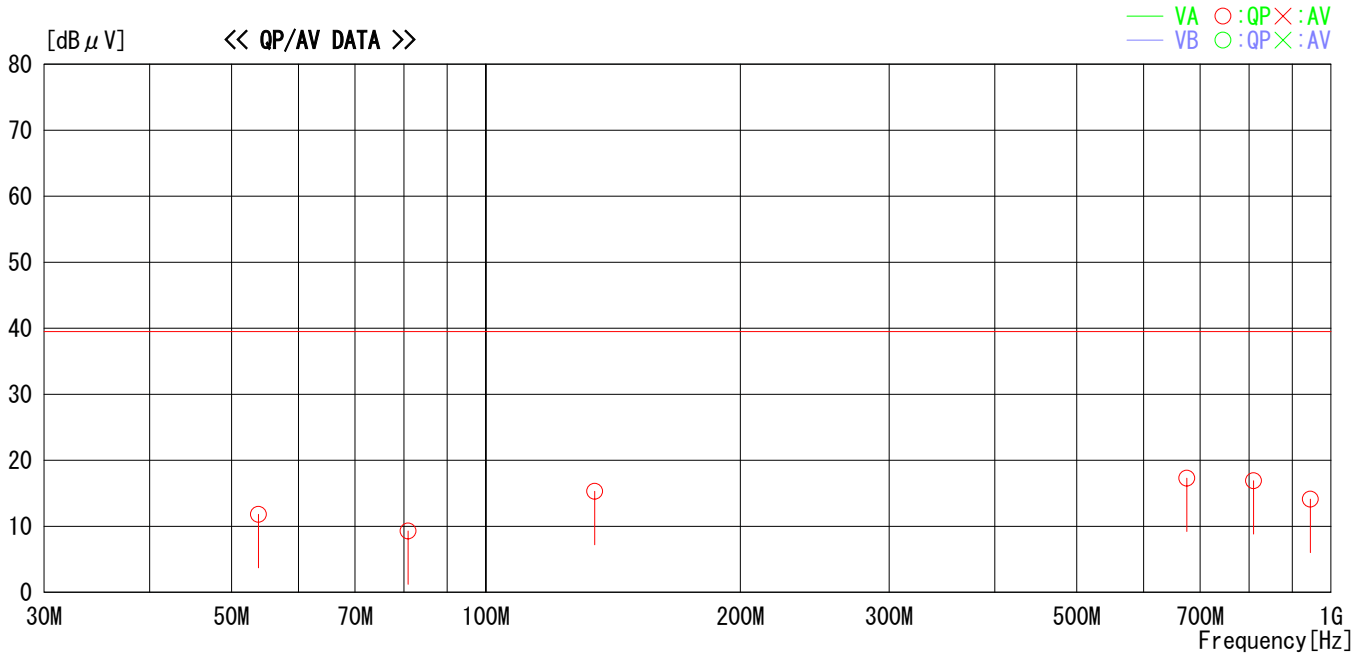
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 1 + Rec (5Vp-p : 4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	80.8900	29.4	----	-20.1	9.3	----	39.5	----	30.2	----	VA
3	134.5000	35.2	----	-19.9	15.3	----	39.5	----	24.2	----	VA
4	675.1000	37.1	----	-19.8	17.3	----	39.5	----	22.2	----	VA
5	809.7300	36.5	----	-19.6	16.9	----	39.5	----	22.6	----	VA
6	945.1100	32.8	----	-18.7	14.1	----	39.5	----	25.4	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

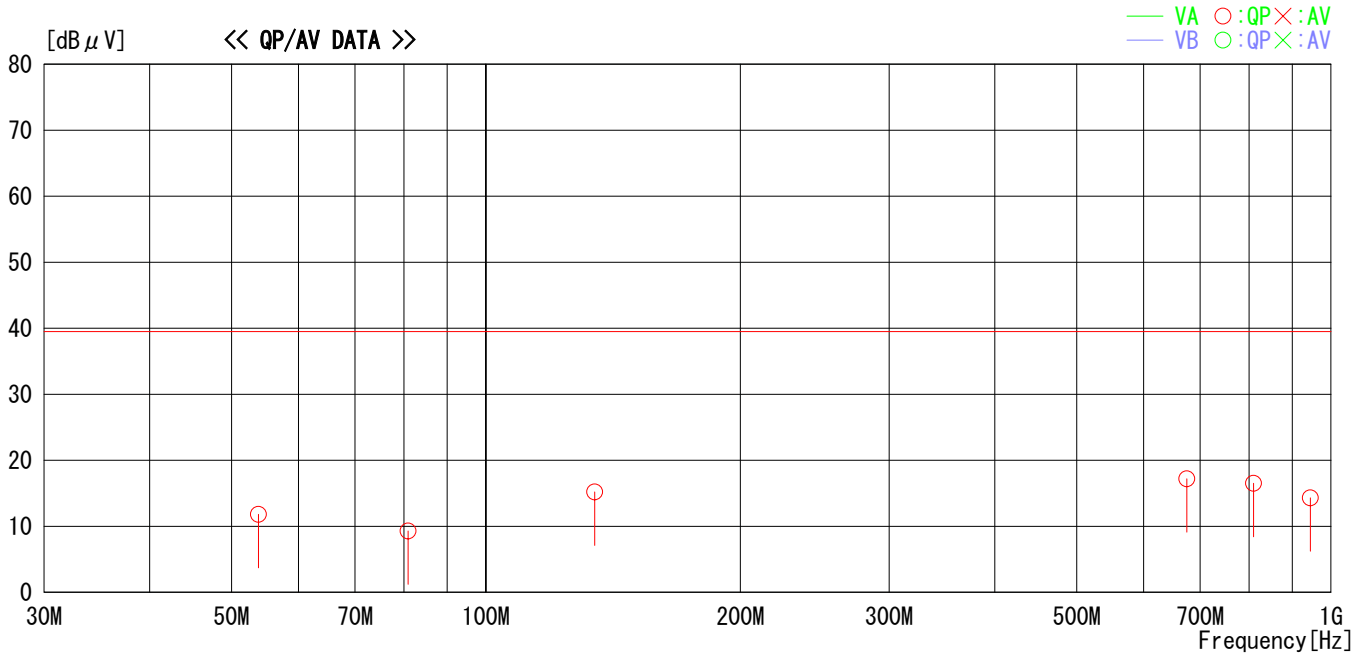
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 2 + Rec (1Vp-p : 4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	80.8900	29.4	----	-20.1	9.3	----	39.5	----	30.2	----	VA
3	134.5000	35.1	----	-19.9	15.2	----	39.5	----	24.3	----	VA
4	675.1000	37.0	----	-19.8	17.2	----	39.5	----	22.3	----	VA
5	809.7300	36.1	----	-19.6	16.5	----	39.5	----	23.0	----	VA
6	945.1100	33.0	----	-18.7	14.3	----	39.5	----	25.2	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

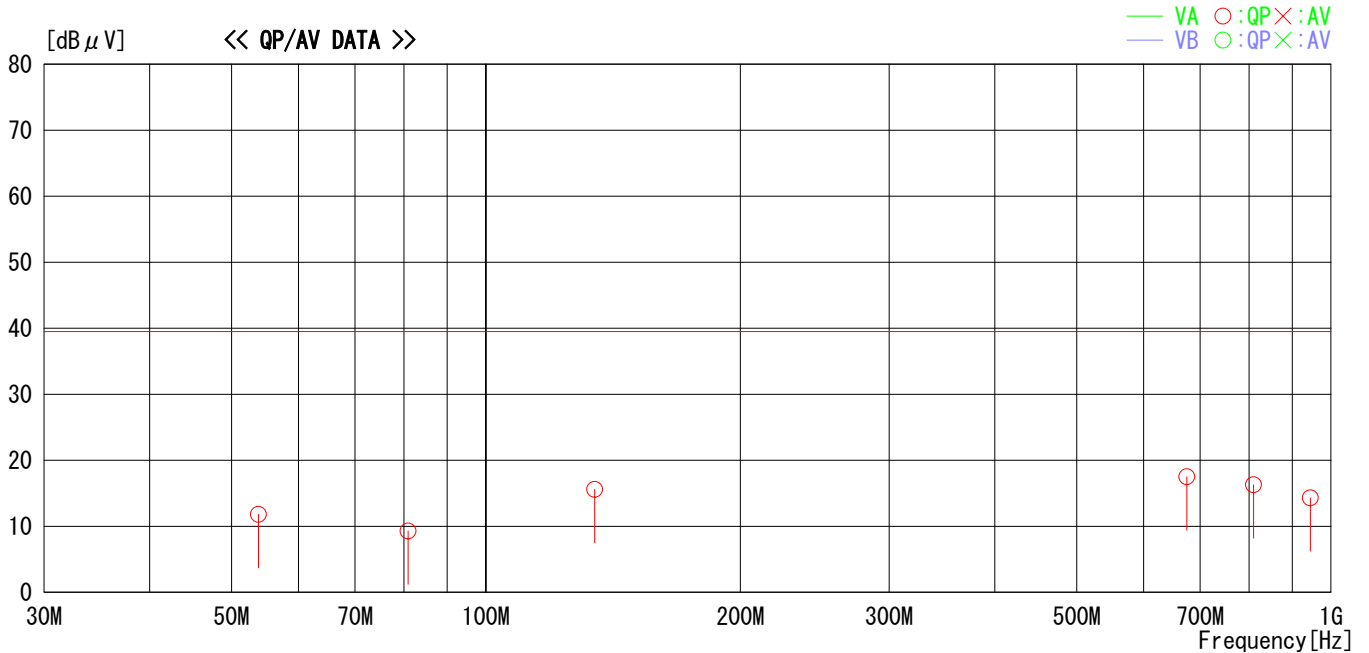
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 2 + Rec (5Vp-p : 4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	80.8900	29.4	----	-20.1	9.3	----	39.5	----	30.2	----	VA
3	134.5000	35.5	----	-19.9	15.6	----	39.5	----	23.9	----	VA
4	675.1000	37.3	----	-19.8	17.5	----	39.5	----	22.0	----	VA
5	809.7300	35.9	----	-19.6	16.3	----	39.5	----	23.2	----	VA
6	945.1100	33.0	----	-18.7	14.3	----	39.5	----	25.2	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

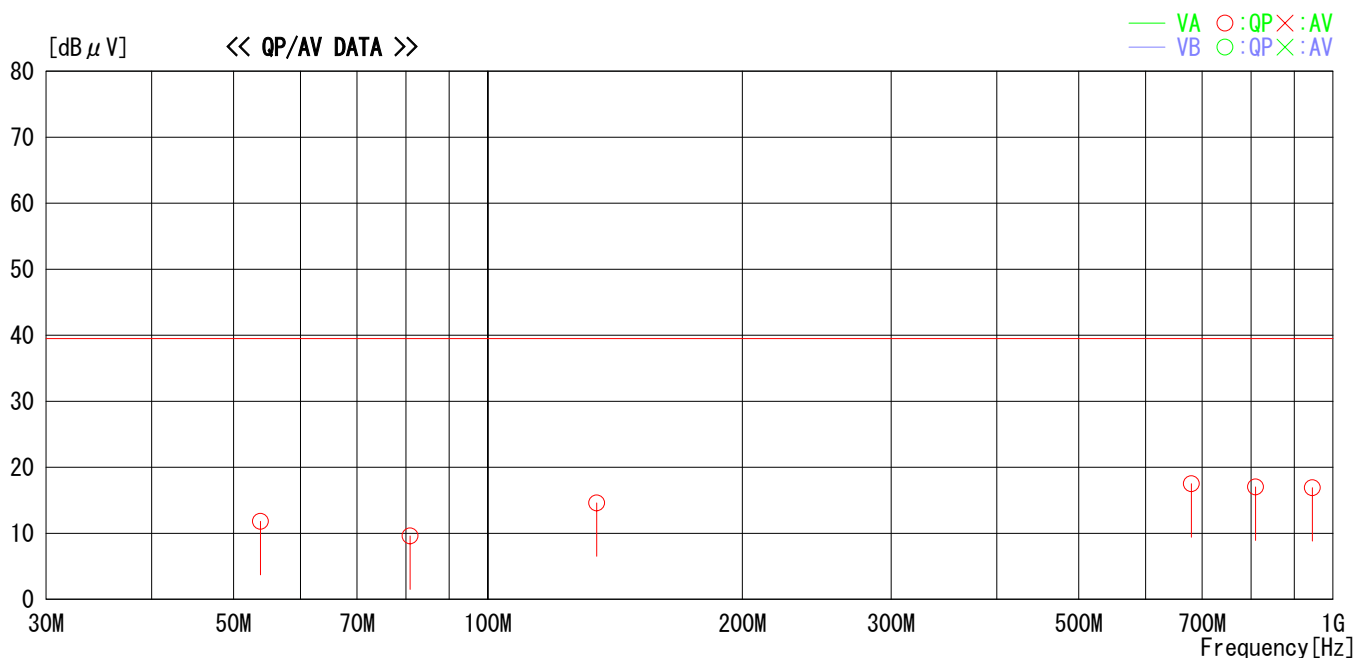
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play (4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	80.8900	29.7	----	-20.1	9.6	----	39.5	----	29.9	----	VA
3	134.5000	34.5	----	-19.9	14.6	----	39.5	----	24.9	----	VA
4	679.7000	37.3	----	-19.8	17.5	----	39.5	----	22.0	----	VA
5	809.7300	36.6	----	-19.6	17.0	----	39.5	----	22.5	----	VA
6	945.1100	35.6	----	-18.7	16.9	----	39.5	----	22.6	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF RF SPURIOUS TEST

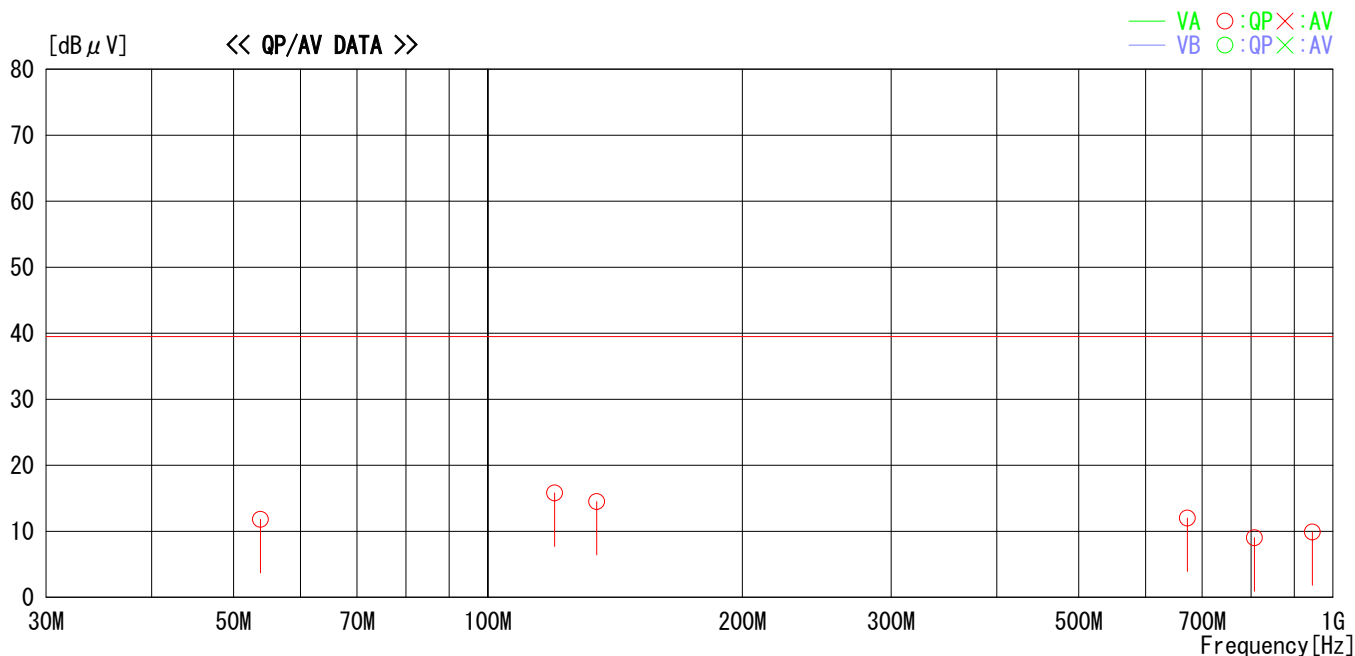
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : November 21, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play (4ch)

LIMIT : FCC 15B RF OUT SPURIOUS



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	53.8200	32.3	----	-20.5	11.8	----	39.5	----	27.7	----	VA
2	119.9200	35.7	----	-19.9	15.8	----	39.5	----	23.7	----	VA
3	134.5000	34.4	----	-19.9	14.5	----	39.5	----	25.0	----	VA
4	672.3300	31.8	----	-19.8	12.0	----	39.5	----	27.5	----	VA
5	807.1100	28.6	----	-19.6	9.0	----	39.5	----	30.5	----	VA
6	945.1100	28.6	----	-18.7	9.9	----	39.5	----	29.6	----	VA

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

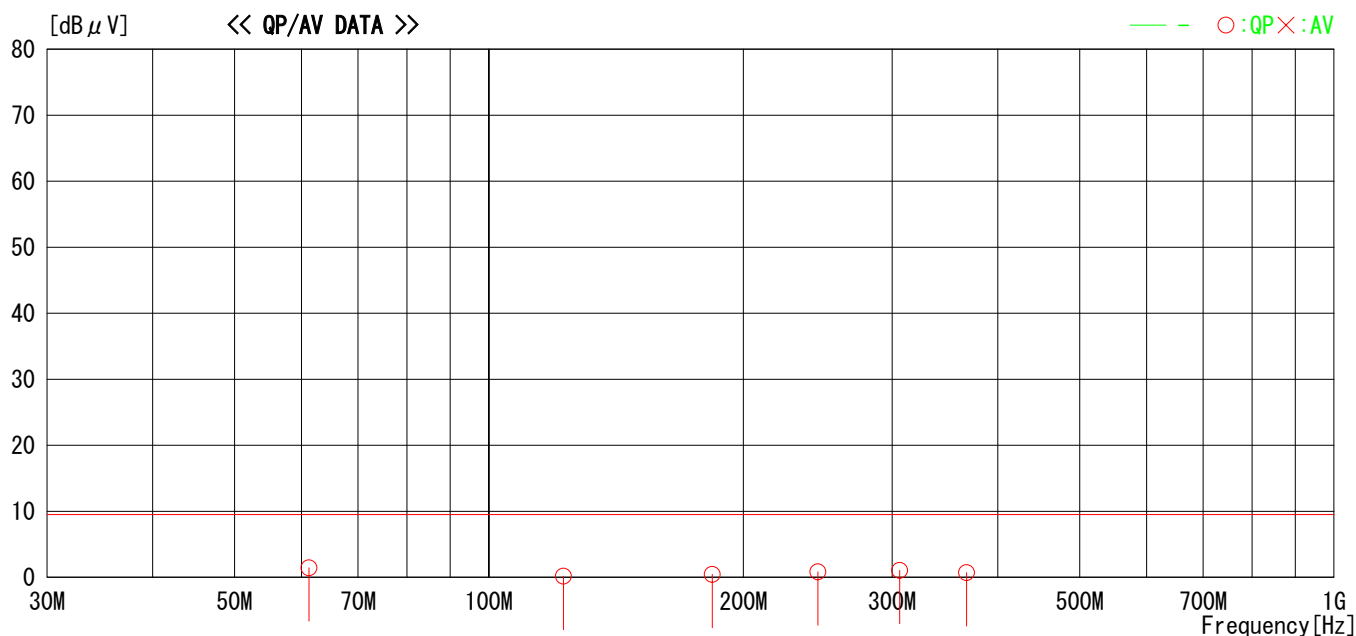
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input1+Rec(1Vp-p):3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

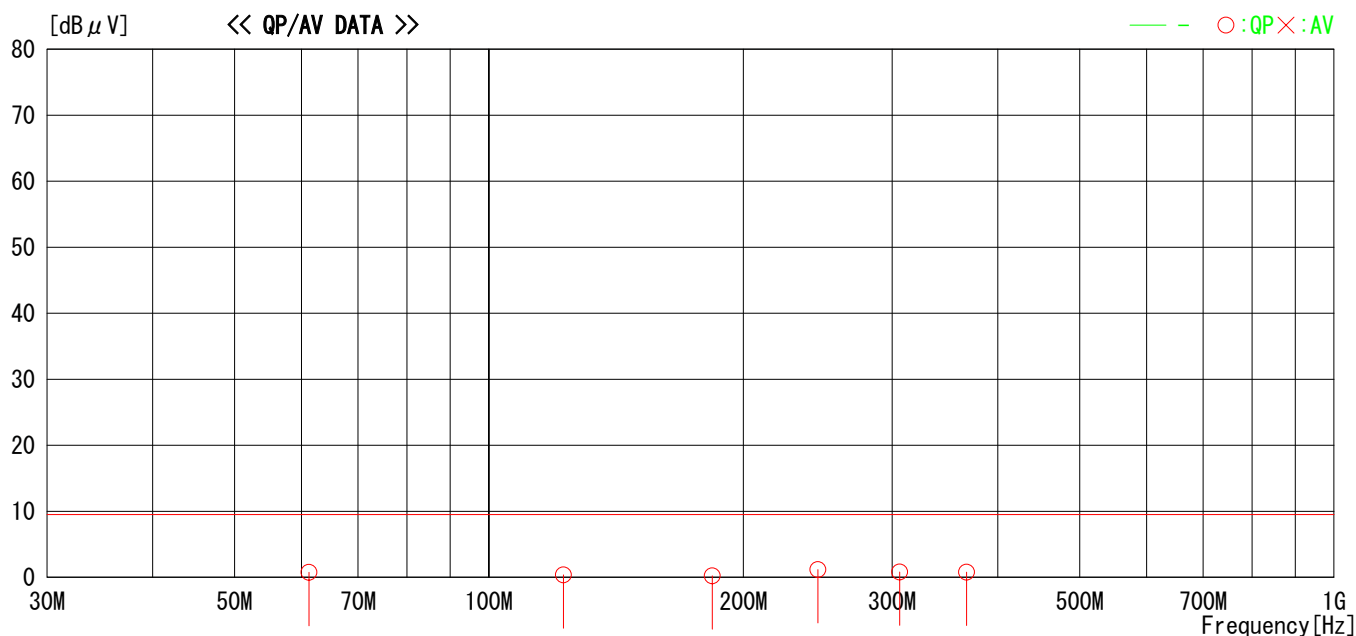
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input1+Rec(5Vp-p):3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

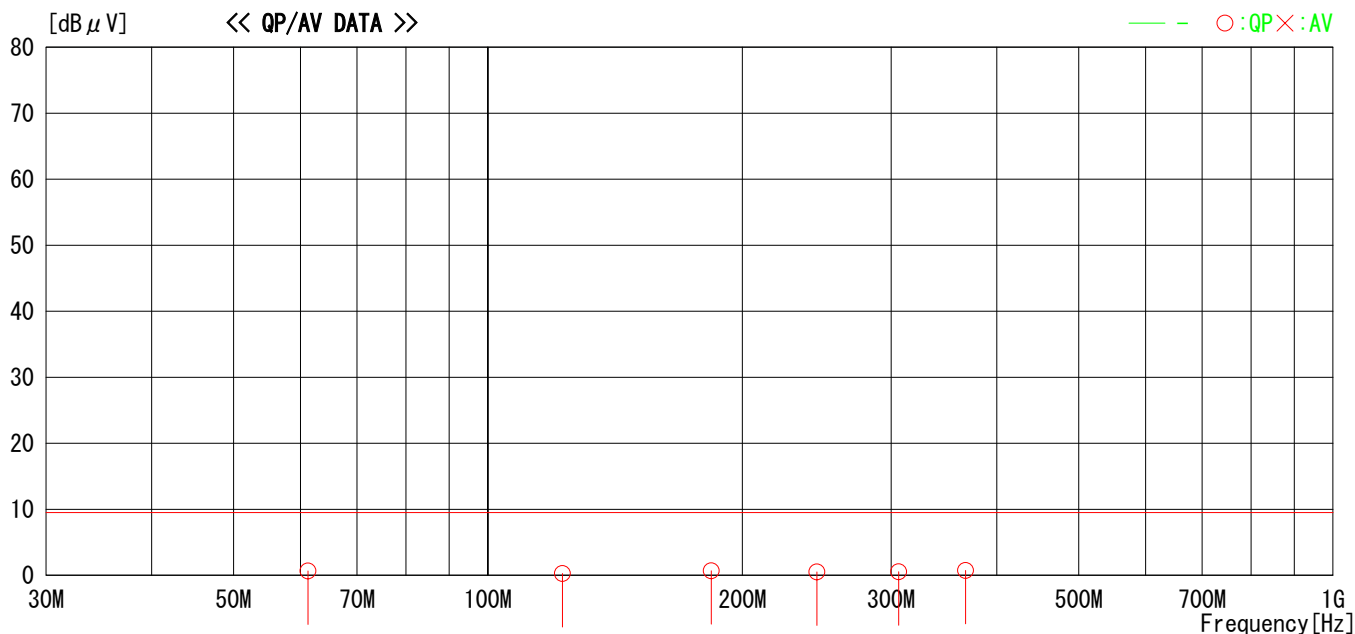
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input2+Rec(1Vp-p):3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	61.2500	21.0	----	-20.4	0.6	----	9.5	----	8.9	----	-
2	122.5000	20.2	----	-19.9	0.3	----	9.5	----	9.2	----	-
3	183.7500	20.3	----	-19.6	0.7	----	9.5	----	8.8	----	-
4	245.0000	19.8	----	-19.3	0.5	----	9.5	----	9.0	----	-
5	306.2500	19.7	----	-19.2	0.5	----	9.5	----	9.0	----	-
6	367.5000	20.1	----	-19.4	0.7	----	9.5	----	8.8	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

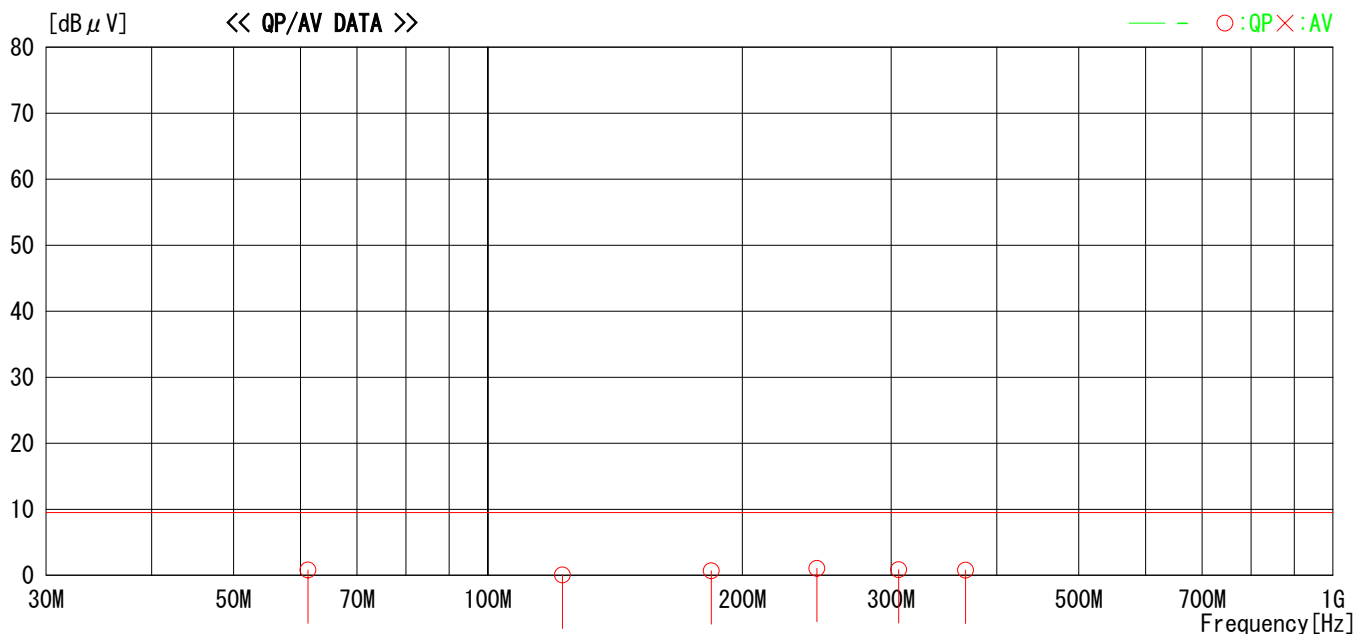
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input2+Rec(5Vp-p):3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	61.2500	21.2	----	-20.4	0.8	----	9.5	----	8.7	----	-
2	122.5000	19.9	----	-19.9	0.0	----	9.5	----	9.5	----	-
3	183.7500	20.3	----	-19.6	0.7	----	9.5	----	8.8	----	-
4	245.0000	20.4	----	-19.3	1.1	----	9.5	----	8.4	----	-
5	306.2500	20.0	----	-19.2	0.8	----	9.5	----	8.7	----	-
6	367.5000	20.2	----	-19.4	0.8	----	9.5	----	8.7	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

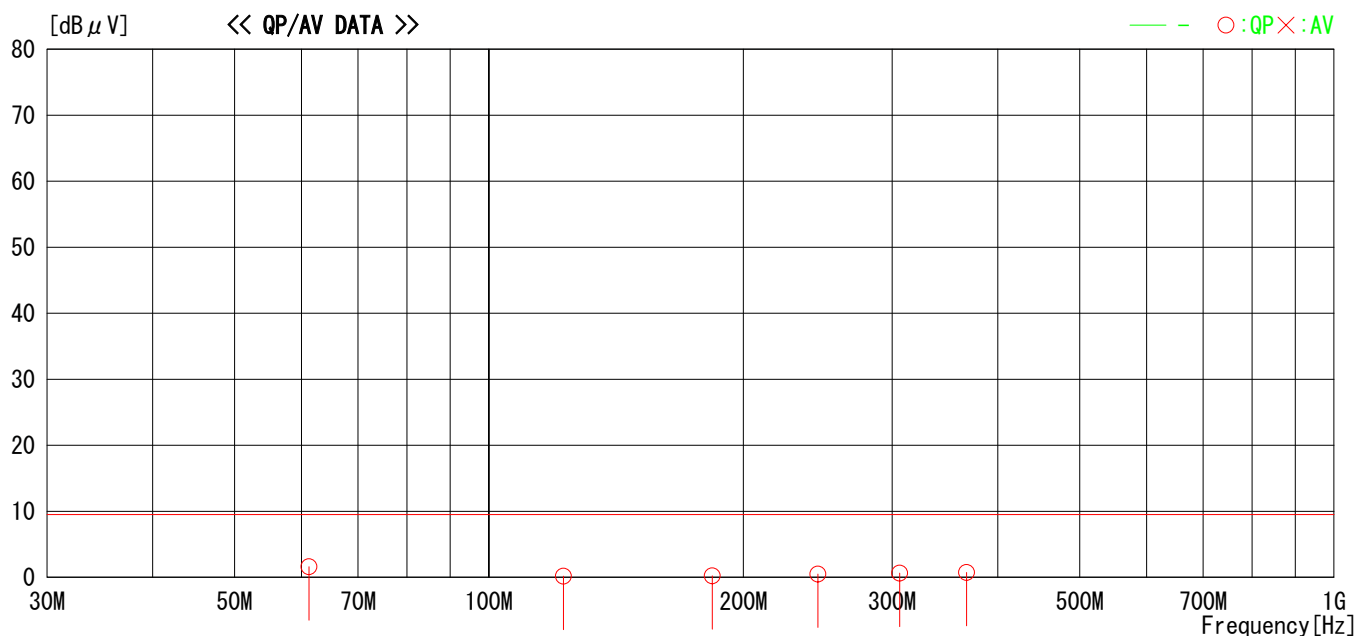
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback:3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	61.2500	22.0	----	-20.4	1.6	----	9.5	----	7.9	----	-
2	122.5000	20.1	----	-19.9	0.2	----	9.5	----	9.3	----	-
3	183.7500	19.8	----	-19.6	0.2	----	9.5	----	9.3	----	-
4	245.0000	19.8	----	-19.3	0.5	----	9.5	----	9.0	----	-
5	306.2500	19.8	----	-19.2	0.6	----	9.5	----	8.9	----	-
6	367.5000	20.1	----	-19.4	0.7	----	9.5	----	8.8	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

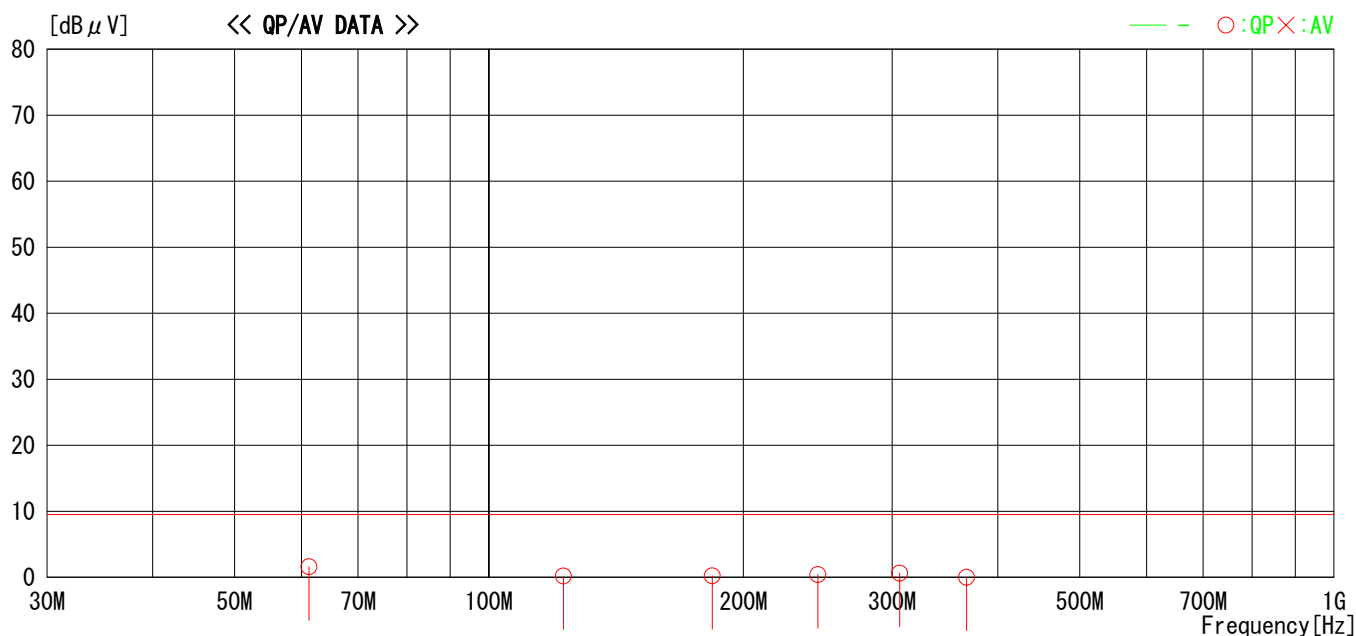
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play:3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	61.2500	22.0	----	-20.4	1.6	----	9.5	----	7.9	----	-
2	122.5000	20.1	----	-19.9	0.2	----	9.5	----	9.3	----	-
3	183.7500	19.8	----	-19.6	0.2	----	9.5	----	9.3	----	-
4	245.0000	19.7	----	-19.3	0.4	----	9.5	----	9.1	----	-
5	306.2500	19.8	----	-19.2	0.6	----	9.5	----	8.9	----	-
6	367.5000	19.4	----	-19.4	0.0	----	9.5	----	9.5	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

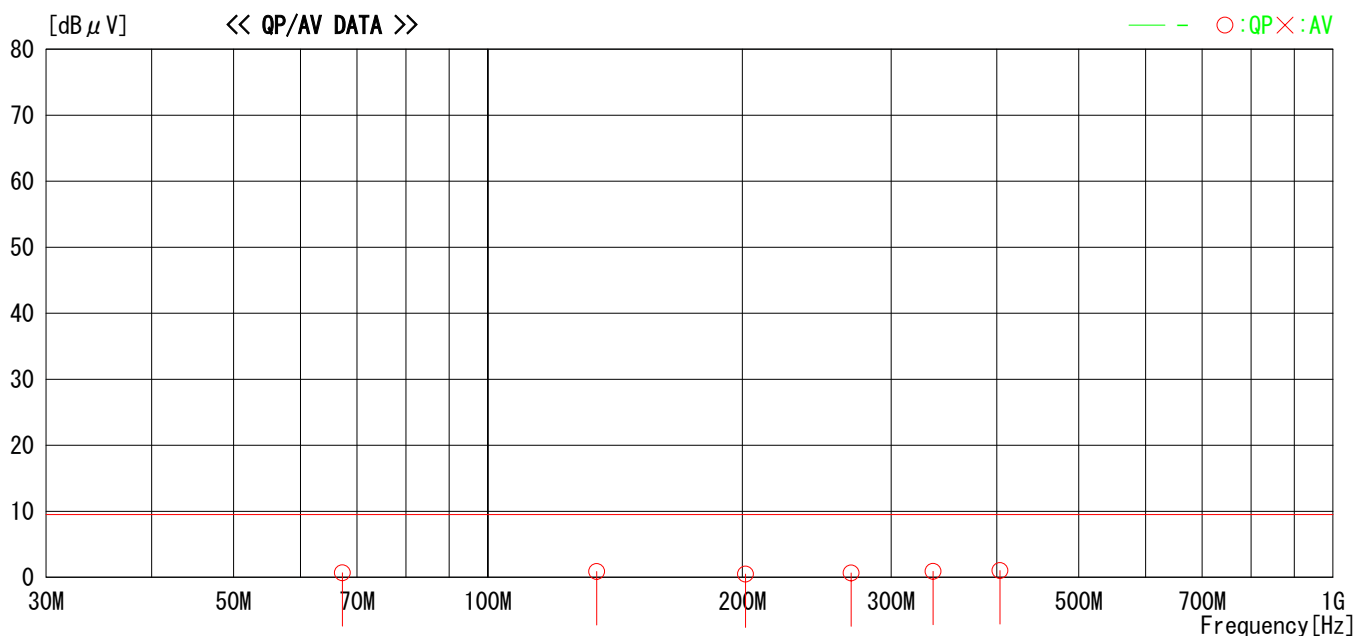
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input1+Rec(1Vp-p):4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	21.0	----	-20.3	0.7	----	9.5	----	8.8	----	-
2	134.5000	20.8	----	-19.9	0.9	----	9.5	----	8.6	----	-
3	201.7500	19.9	----	-19.4	0.5	----	9.5	----	9.0	----	-
4	269.0000	19.9	----	-19.2	0.7	----	9.5	----	8.8	----	-
5	336.2500	20.2	----	-19.3	0.9	----	9.5	----	8.6	----	-
6	403.5000	20.7	----	-19.7	1.0	----	9.5	----	8.5	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

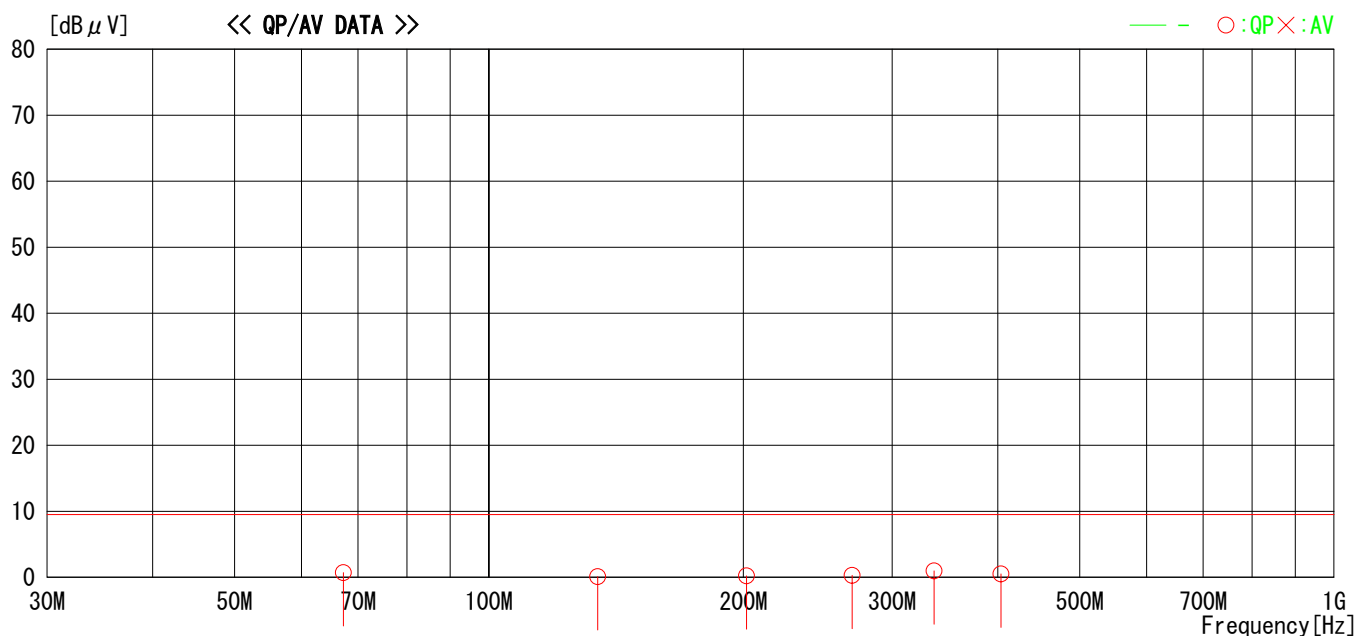
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input1+Rec(5Vp-p):4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	21.0	----	-20.3	0.7	----	9.5	----	8.8	----	-
2	134.5000	20.0	----	-19.9	0.1	----	9.5	----	9.4	----	-
3	201.7500	19.6	----	-19.4	0.2	----	9.5	----	9.3	----	-
4	269.0000	19.5	----	-19.2	0.3	----	9.5	----	9.2	----	-
5	336.2500	20.3	----	-19.3	1.0	----	9.5	----	8.5	----	-
6	403.5000	20.2	----	-19.7	0.5	----	9.5	----	9.0	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

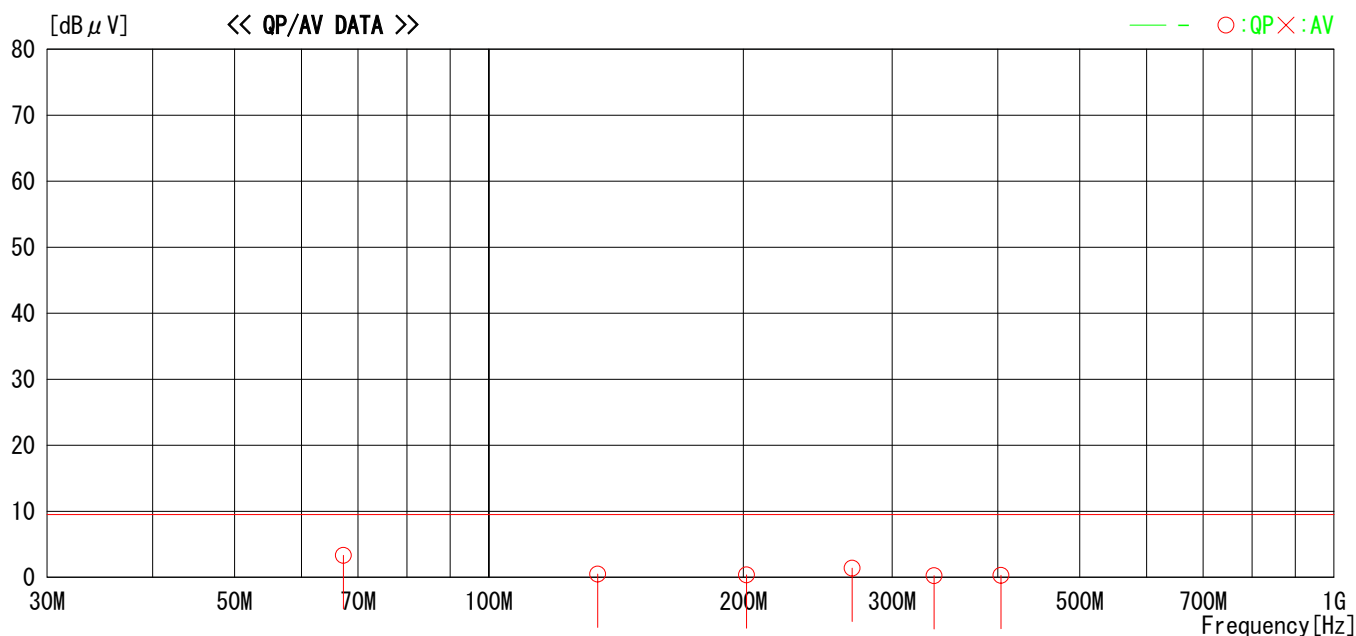
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input 2 + Rec (1Vp-p:4ch)

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	23.6	----	-20.3	3.3	----	9.5	----	6.2	----	-
2	134.5000	20.4	----	-19.9	0.5	----	9.5	----	9.0	----	-
3	201.7500	19.8	----	-19.4	0.4	----	9.5	----	9.1	----	-
4	269.0000	20.6	----	-19.2	1.4	----	9.5	----	8.1	----	-
5	336.2500	19.5	----	-19.3	0.2	----	9.5	----	9.3	----	-
6	403.5000	20.0	----	-19.7	0.3	----	9.5	----	9.2	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

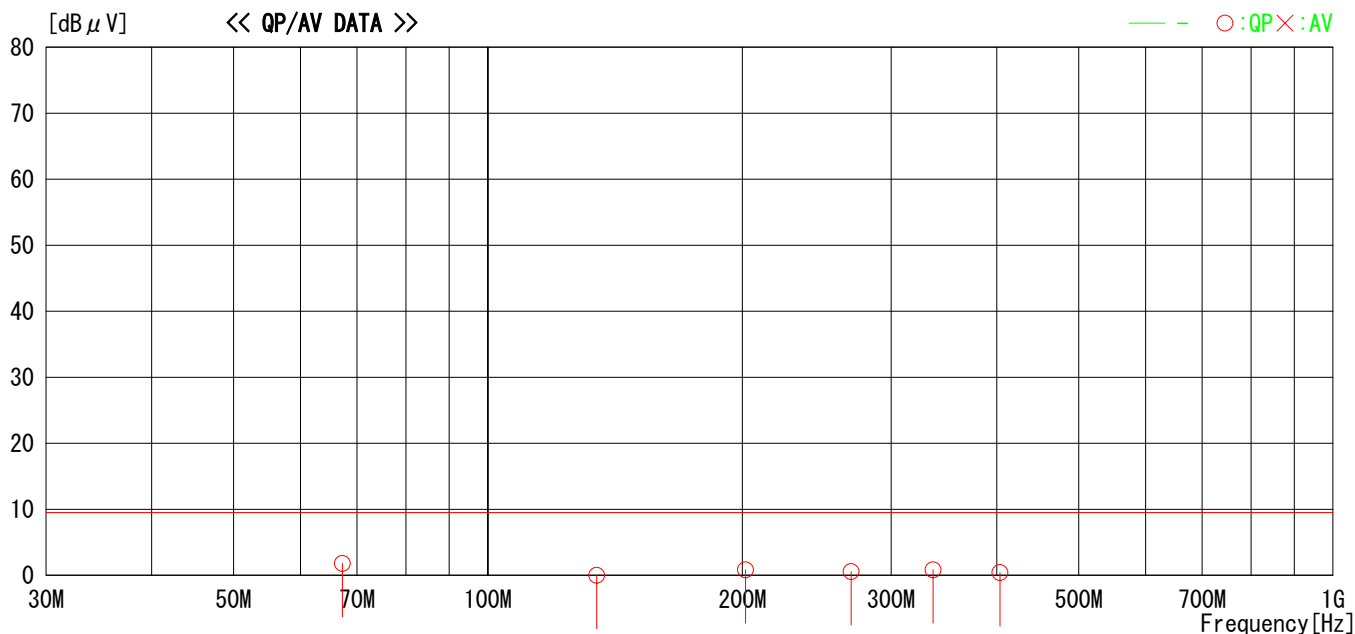
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : AV Input2+Rec(5Vp-p):4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	22.1	----	-20.3	1.8	----	9.5	----	7.7	----	-
2	134.5000	19.9	----	-19.9	0.0	----	9.5	----	9.5	----	-
3	201.7500	20.2	----	-19.4	0.8	----	9.5	----	8.7	----	-
4	269.0000	19.8	----	-19.2	0.6	----	9.5	----	8.9	----	-
5	336.2500	20.1	----	-19.3	0.8	----	9.5	----	8.7	----	-
6	403.5000	20.1	----	-19.7	0.4	----	9.5	----	9.1	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

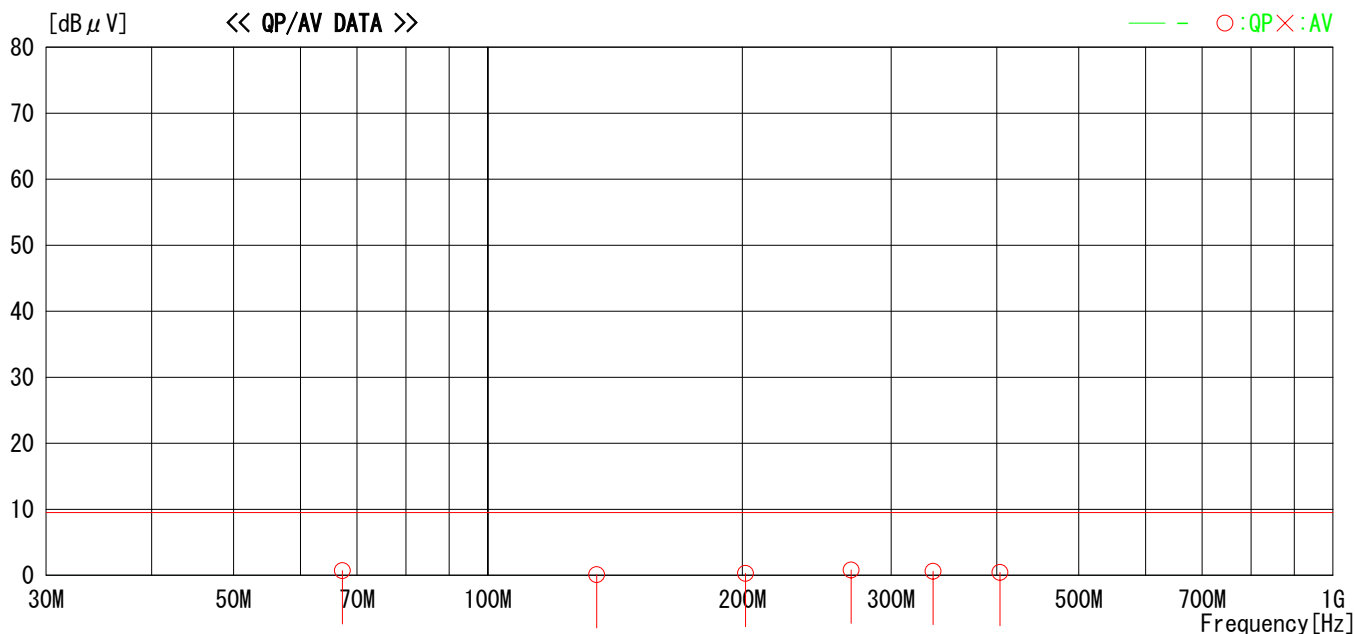
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback:4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	21.0	----	-20.3	0.7	----	9.5	----	8.8	----	-
2	134.5000	20.0	----	-19.9	0.1	----	9.5	----	9.4	----	-
3	201.7500	19.7	----	-19.4	0.3	----	9.5	----	9.2	----	-
4	269.0000	20.0	----	-19.2	0.8	----	9.5	----	8.7	----	-
5	336.2500	19.9	----	-19.3	0.6	----	9.5	----	8.9	----	-
6	403.5000	20.1	----	-19.7	0.4	----	9.5	----	9.1	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

DATA OF ANTENNA TRANSFER SWITCH TEST

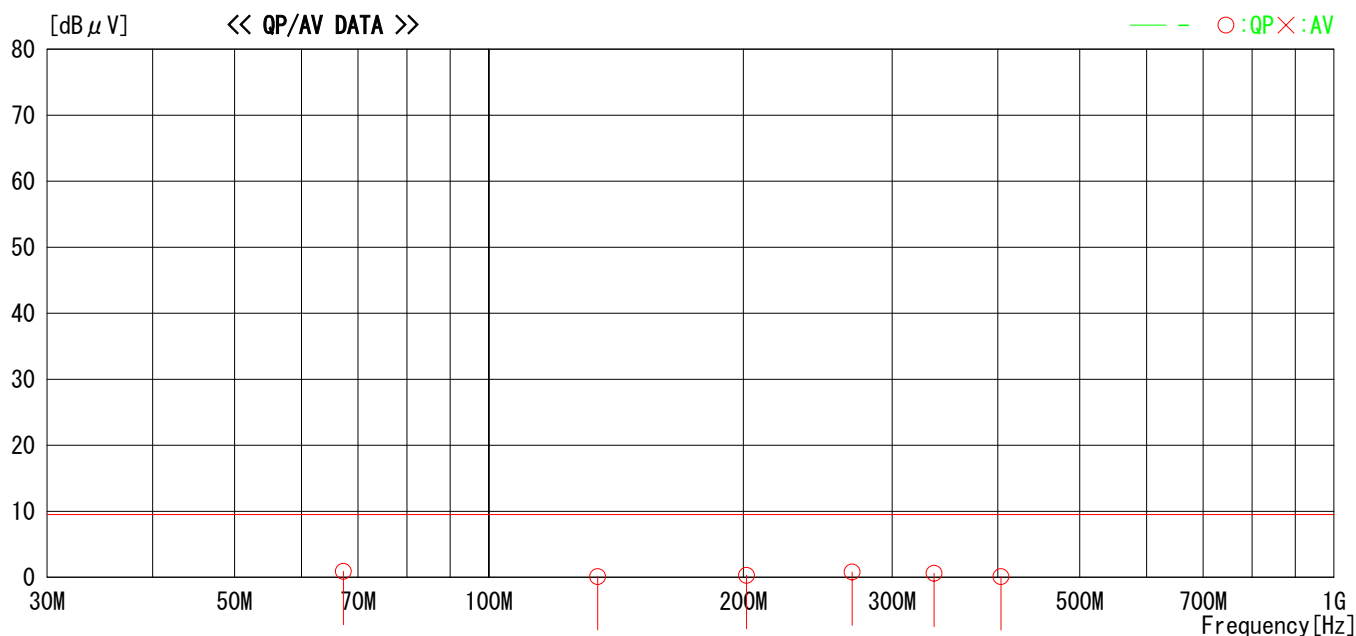
UL Apex Co., Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD/VCR
MODEL : SD-V394SU
TEMP./HUMID. : 23°C/39%

REPORT NO : 26CE0147-YW-1
DATE : October 20, 2005
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play:4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH



NO	FREQ [MHz]	READING		C. F [dB]	RESULT		LIMIT		MARGIN		PHASE
		PK [dB μ V]	AV [dB μ V]		PK [dB μ V]	AV [dB μ V]	PK [dB μ V]	AV [dB μ V]	PK [dB]	AV [dB]	
1	67.2500	21.2	----	-20.3	0.9	----	9.5	----	8.6	----	-
2	134.5000	20.0	----	-19.9	0.1	----	9.5	----	9.4	----	-
3	201.7500	19.7	----	-19.4	0.3	----	9.5	----	9.2	----	-
4	269.0000	20.0	----	-19.2	0.8	----	9.5	----	8.7	----	-
5	336.2500	19.9	----	-19.3	0.6	----	9.5	----	8.9	----	-
6	403.5000	19.8	----	-19.7	0.1	----	9.5	----	9.4	----	-

CALCULATION: READING+MATCHING PAD LOSS+CABLE LOSS-AMP. GAIN

Picture Sensitivity Test

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : VRDVD4100BA
Power : 120V/60Hz
Description : TV Reception
Remarks : -

Report Number : 25CE0-YW-2
Regulation : FCC Part15 Subpart B
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

Ch [VHF]	Frequency [MHz]	Sensitivity [MHz]		Ch [UHF]	Frequency [MHz]	Sensitivity [MHz]	
		[dBμV]	[μV]			[dB μ V]	[μ V]
2	55.25	15.0	5.6	14	471.25	19.2	9.1
3	61.25	14.2	5.1	20	507.25	19.6	9.5
4	67.25	13.4	4.7	26	543.25	20.0	10.0
5	77.25	12.9	4.4	32	579.25	21.4	11.7
6	83.25	13.3	4.6	38	615.25	20.3	10.4
7	175.25	17.5	7.5	44	651.25	20.4	10.5
8	181.25	17.2	7.2	50	687.25	20.7	10.8
9	187.25	17.3	7.3	56	723.25	20.3	10.4
10	193.25	17.5	7.5	62	759.25	20.0	10.0
11	199.25	17.2	7.2	69	801.25	19.8	9.8
12	205.25	17.0	7.1	-	-	-	-
13	211.25	17.0	7.1	-	-	-	-
Average VHF			6.3	Average UHF			10.2
Average UHF/VHF : $20 \log \text{UHF}[\mu\text{V}] / \text{VHF}[\mu\text{V}] =$				4.2 [Limit : 8.0dB]			

Noise Figure Test

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : SD-V394SU
Power : 120V/60Hz
Description : TV Reception
Remarks : -

Report Number : 26CE0147-YW-1
Regulation : FCC Part15 SubpartB
Date : October 20 ,2005
Temp / Humid : 23deg.C / 45%
Engineer : Tsubasa Takayama

Ch	Frequency [MHz]	Meter Reading [dB]	Correction Factor [dB]	Noise Figure [dB]	Limits [dB]	Margin [dB]
TV VHF Fundamental						
2	55.25	4.7	0.2	4.5	14.0	9.5
3	61.25	3.8	0.2	3.6	14.0	10.4
4	67.25	3.3	0.2	3.1	14.0	10.9
5	77.25	3.0	0.2	2.8	14.0	11.2
6	83.25	2.9	0.2	2.7	14.0	11.3
7	175.25	5.4	0.2	5.2	14.0	8.8
8	181.25	5.0	0.2	4.8	14.0	9.2
9	187.25	4.8	0.2	4.6	14.0	9.4
10	193.25	4.8	0.2	4.6	14.0	9.4
11	199.25	5.4	0.2	5.2	14.0	8.8
12	205.25	4.9	0.2	4.7	14.0	9.3
13	211.25	5.0	0.2	4.8	14.0	9.2
TV UHF Fundamental						
14	471.25	6.1	0.3	5.8	14.0	8.2
20	507.25	6.4	0.3	6.1	14.0	7.9
26	543.25	6.8	0.3	6.5	14.0	7.5
32	579.25	7.2	0.3	6.9	14.0	7.1
38	615.25	8.5	0.3	8.2	14.0	5.8
44	651.25	8.0	0.3	7.7	14.0	6.3
50	687.25	7.0	0.3	6.7	14.0	7.3
56	723.25	6.4	0.4	6.0	14.0	8.0
62	759.25	6.1	0.4	5.7	14.0	8.3
69	801.25	6.2	0.4	5.8	14.0	8.2
Mid band						
14	121.25	3.5	0.2	3.3	14.0	10.7
16	133.25	8.8	0.2	8.6	14.0	5.4
18	145.25	7.2	0.2	7.0	14.0	7.0
20	157.25	6.1	0.2	5.9	14.0	8.1
22	169.25	5.6	0.2	5.4	14.0	8.6
Super band						
23	217.25	5.3	0.2	5.1	14.0	8.9
26	235.25	5.6	0.2	5.4	14.0	8.6
29	253.25	6.0	0.2	5.8	14.0	8.2
32	271.25	6.3	0.2	6.1	14.0	7.9
36	295.25	6.5	0.2	6.3	14.0	7.7

Test Report No 26CE0147-YW-1

APPENDIX 3 Test Instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
APSPA04	Spectrum Analyzer	Advantest	R3265	AT,RF,RFS,ATS	2005/05/06 * 12
IP-06	Matching Pad	TME	ZT-301	NF, PS	2005/05/17 * 12
IP-03	Matching Pad	TME	ZT-130	AT,RF,RFS,ATS	2005/09/30 * 12
APNFM02	Noise Figure Analyzer	Agilent	N8973A	NF	2005/08/25 * 12
APNFS02	Noise Source	Agilent	346A	NF	2005/08/02 * 12
AV01-01	Signal Generator	Rohde & Schwarz	SMY01	PS	2005/02/23 * 12
AF-06	Pre Amplifier	Agilent	HP8449B	AT,RE	2005/07/14 * 12
AF-05	Pre Amplifier	Hewlett Packard	8447D	AT,RF,RFS,ATS	2005/07/12 * 12
APCBL-01	Coaxial Cable	Fujikura	5D-2W	AT,RF,RFS,ATS	2005/11/01 * 12
APCBL-02	Coaxial Cable	Fujikura	5D-2W	AT,RF,RFS,ATS	2005/11/01 * 12
OS-02	Digital Humidity Indicator	SATO	PC-5000TRH-	NF, PS, AT,RF,RFS,ATS	2004/04/06 * 24
AF-01	Pre Amplifier	Hewlett Packard	8447D	RE	2005/03/25 * 12
AT-06	Attenuator	Anritsu	MP721B	RE	2005/07/11 * 12
BA-06	Biconical Antenna	Schwarzbeck	BBA9106	RE	2005/01/29 * 12
HA-02	Horn Antenna	A.H.Systems	SAS-200/571	RE	2005/04/06 * 12
LA-07	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2005/01/29 * 12
SA-06	Spectrum Analyzer	Advantest	R3273	RE	2005/11/01 * 12
TR-06	Test Receiver	Rohde & Schwarz	ESVS10	RE	2005/11/01 * 12
CC-3ORC	Yokowa No.3 open coaxial(0.01-1000MHz)	UL Apex	CC-31,CC-32,CC-33,CC-34,CC-35,CC-36,CC-37,SW-31,SW-32	RE	2005/03/25 * 12
YOATS-03	Open Test Site	JSE	3m, 10m	RE	2005/05/04 * 12
OS-16	Digital Humidity Indicator	SATO	PC-5000TRH	RE	2004/05/07 * 24
CC-C3	Microwave Cable	-	-	RE	2004/12/16 * 12
OS-16	Digital Humidity Indicator	SATO	PC-5000TRH	RE	2004/05/07 * 24
DA-10	Dipole Antenna	Schwarzbeck	UHA9105	RE	2005/02/12 * 12
AV17-01	Pattern Generator	Leader	408NPS	RE,CE,RF,RF S,ATS	Pre Check

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

Test Item :

NF: Noise figure
 AT: Internally generated interference
 RE: Field intensity
 RFS:RF Out Sprious
 ATS: Antenna Transfer Switch
 RF:RF Output Level

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APPENDIX 3

Test Instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
LA-07	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	RE	2005/01/29 * 12
SA-06	Spectrum Analyzer	Advantest	R3273	RE	2004/11/02 * 12
TR-05	Test Receiver	Rohde & Schwarz	ESHS10	RE	2004/10/21 * 12
TR-06	Test Receiver	Rohde & Schwarz	ESVS10	RE	2004/10/29 * 12
CC-3ORC	Yokowa No.3 open coaxial(0.01 - 1000MHz)	UL Apex	CC-31,CC-32,CC-33, CC-34,CC-35,CC-36, CC-37,SW-31,SW-32	RE	2005/03/25 * 12
YOATS-03	Open Test Site	JSE	3m, 10m	RE	2005/05/04 * 12
OS-16	Digital Humidity Indicator	SATO	PC-5000TRH	RE	2004/05/07 * 24
LP-01	Loop Antenna	Rohde & Schwarz	HFH2-Z2	RE	2004/11/02 * 12
TS-07	Digitizing Oscilloscope	Sony Tektronix	2221	PS	2005/01/11 * 12
APBPF01	Band pass filter	Erika Fiedler	BP	PS	2005/04/22 * 12