

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LED123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 0dBuV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : ~~Tsubasa Takayama~~

| No. | FREQ.<br>[MHz] | READING(N) |    | READING(L1) |    | LISN<br>FACTOR<br>[dBuV] | CABLE LOSS |        | ATTEN.<br>[dBuV] | RESULT |      | LIMITS |      | MARGIN |    |
|-----|----------------|------------|----|-------------|----|--------------------------|------------|--------|------------------|--------|------|--------|------|--------|----|
|     |                | QP         | AV | QP          | AV |                          | [dBuV]     | [dBuV] |                  | QP     | AV   | QP     | AV   | QP     | AV |
|     |                | [dBuV]     |    | [dBuV]      |    |                          |            |        |                  | [dBuV] |      | [dBuV] |      | [dBuV] |    |
| 1.  | 0.5141         | 31.9       | -  | 29.1        | -  | 0.0                      | 0.2        | 0.0    | 32.1             | -      | 48.0 | 0.0    | 15.9 | -      |    |
| 2.  | 0.7349         | 32.3       | -  | 30.7        | -  | 0.1                      | 0.2        | 0.0    | 32.6             | -      | 48.0 | 0.0    | 15.4 | -      |    |
| 3.  | 0.8972         | 28.4       | -  | 30.8        | -  | 0.1                      | 0.2        | 0.0    | 31.1             | -      | 48.0 | 0.0    | 16.9 | -      |    |
| 4.  | 1.0070         | 31.5       | -  | 32.4        | -  | 0.0                      | 0.3        | 0.0    | 32.7             | -      | 48.0 | 0.0    | 15.3 | -      |    |
| 5.  | 2.6713         | 27.5       | -  | 25.4        | -  | 0.1                      | 0.4        | 0.0    | 28.0             | -      | 48.0 | 0.0    | 20.0 | -      |    |
| 6.  | 10.7082        | 28.6       | -  | 21.8        | -  | 0.3                      | 0.7        | 0.0    | 29.6             | -      | 48.0 | 0.0    | 18.4 | -      |    |
| 7.  | 15.0213        | 32.1       | -  | 32.3        | -  | 0.4                      | 0.9        | 0.0    | 33.6             | -      | 48.0 | 0.0    | 14.4 | -      |    |

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

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

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

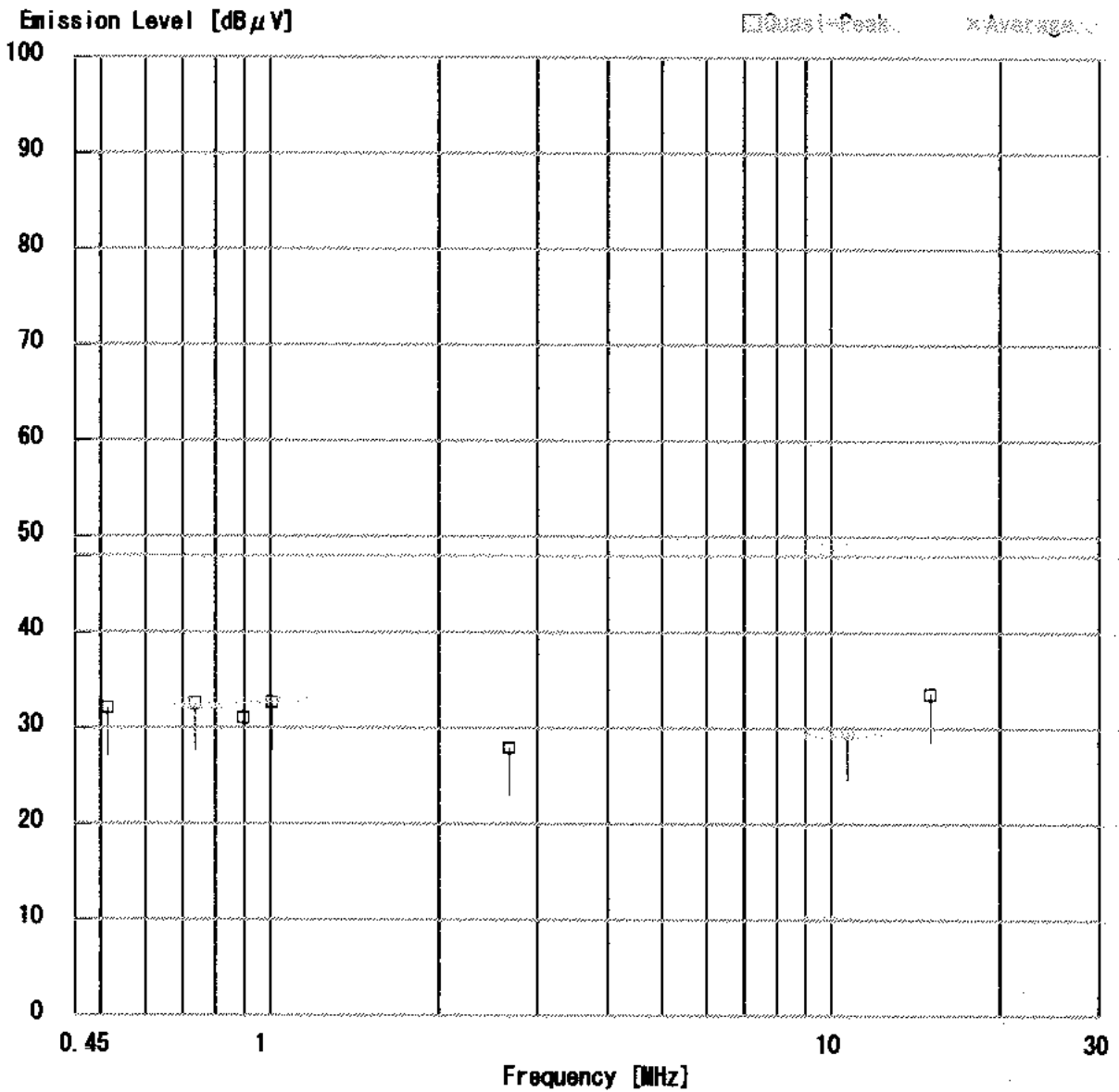
YOKOWA No.1 OPEN TEST SITE

Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 0dBmV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer

Isobasa Takayama

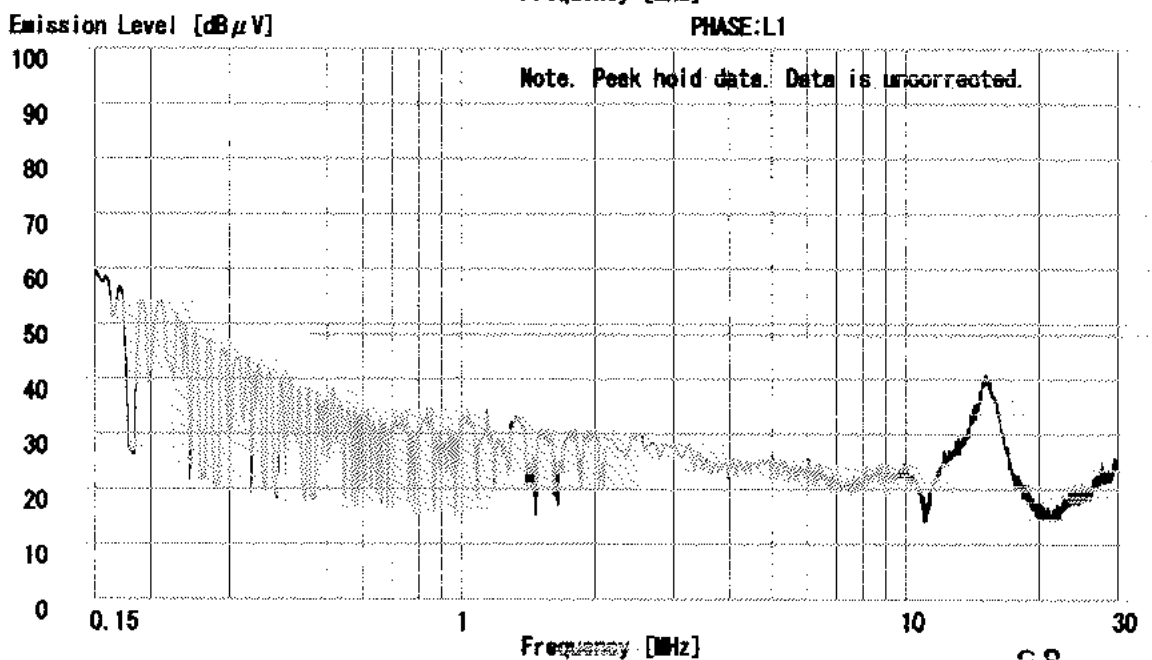
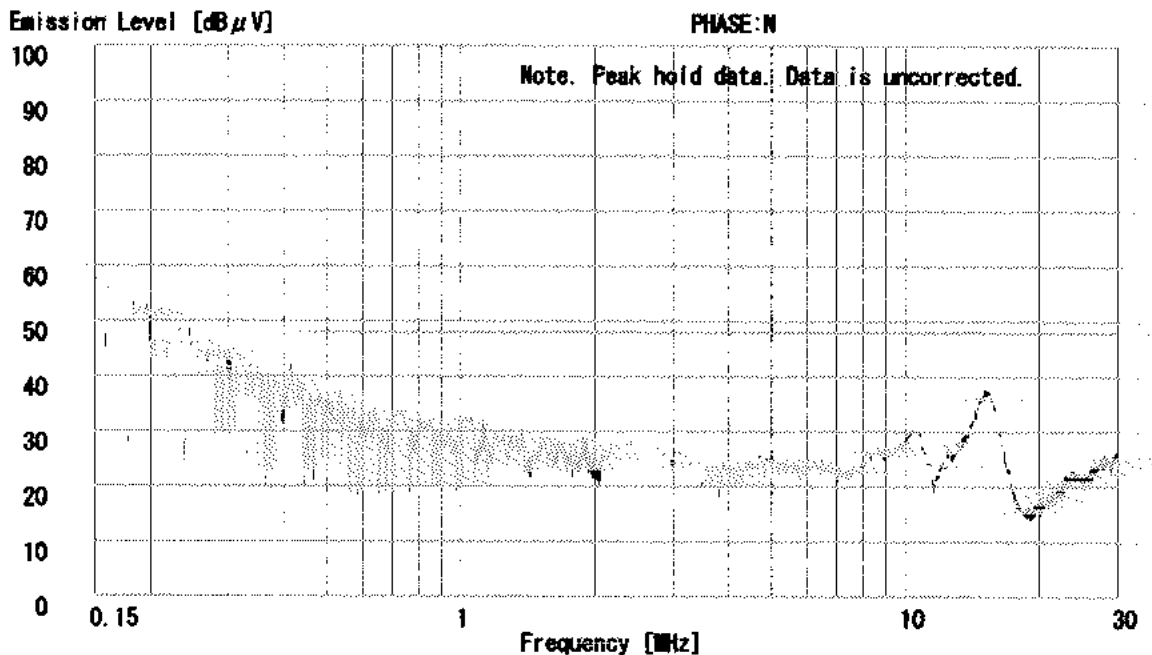


# DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 0dBmV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : ~~Taniguchi Takayama~~



Page:

28

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PY-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 25dBuV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer ~~Isobasa Takayama~~

| No. | FREQ.<br>[MHz] | READING(N) |    | READING(L1) |    | LISN<br>FACTOR | CABLE<br>LOSS | ATTEN. | RESULT |    | LIMITS |     | MARGIN |    |
|-----|----------------|------------|----|-------------|----|----------------|---------------|--------|--------|----|--------|-----|--------|----|
|     |                | QP         | AV | QP          | AV |                |               |        | QP     | AV | QP     | AV  | QP     | AV |
|     |                | [dBuV]     |    | [dBuV]      |    | [dBuV]         | [dBuV]        | [dBuV] | [dBuV] |    | [dBuV] |     | [dBuV] |    |
| 1.  | 0.5165         | 31.7       | -  | 29.6        | -  | 0.0            | 0.2           | 0.0    | 31.9   | -  | 48.0   | 0.0 | 16.1   | -  |
| 2.  | 0.7249         | 32.6       | -  | 31.1        | -  | 0.1            | 0.2           | 0.0    | 32.9   | -  | 48.0   | 0.0 | 15.1   | -  |
| 3.  | 0.8473         | 30.2       | -  | 30.6        | -  | 0.1            | 0.2           | 0.0    | 30.9   | -  | 48.0   | 0.0 | 17.1   | -  |
| 4.  | 1.0373         | 31.7       | -  | 32.0        | -  | 0.0            | 0.3           | 0.0    | 32.3   | -  | 48.0   | 0.0 | 15.7   | -  |
| 5.  | 2.5493         | 26.8       | -  | 28.3        | -  | 0.1            | 0.4           | 0.0    | 28.8   | -  | 48.0   | 0.0 | 19.2   | -  |
| 6.  | 10.2064        | 26.6       | -  | 21.5        | -  | 0.3            | 0.7           | 0.0    | 29.6   | -  | 48.0   | 0.0 | 18.4   | -  |
| 7.  | 15.4127        | 32.1       | -  | 35.9        | -  | 0.4            | 0.9           | 0.0    | 37.2   | -  | 48.0   | 0.0 | 10.8   | -  |

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

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

# DATA OF CONDUCTION TEST

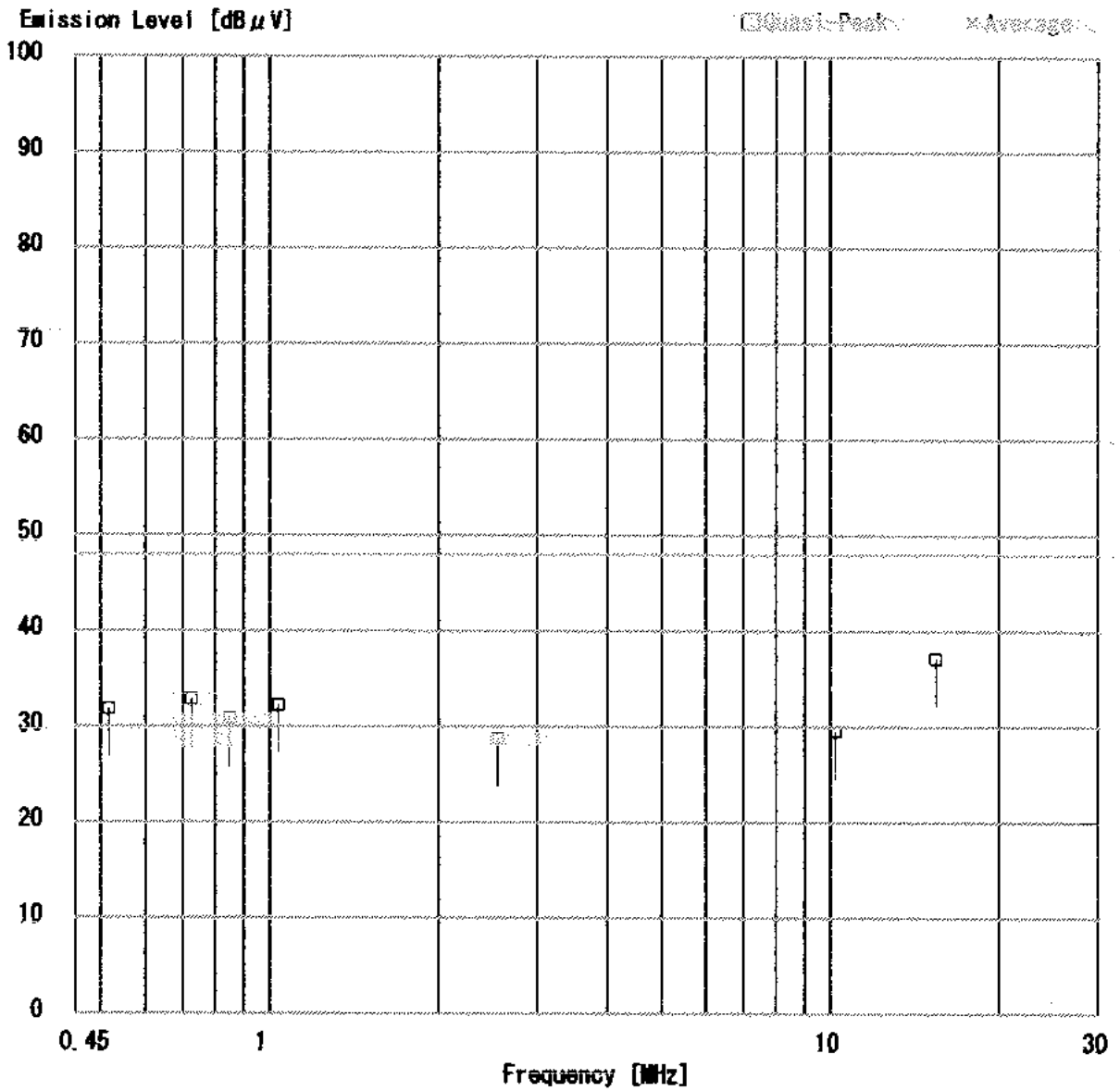
UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 25dBmV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Tetsuya Takayama



# DATA OF CONDUCTION TEST CHART

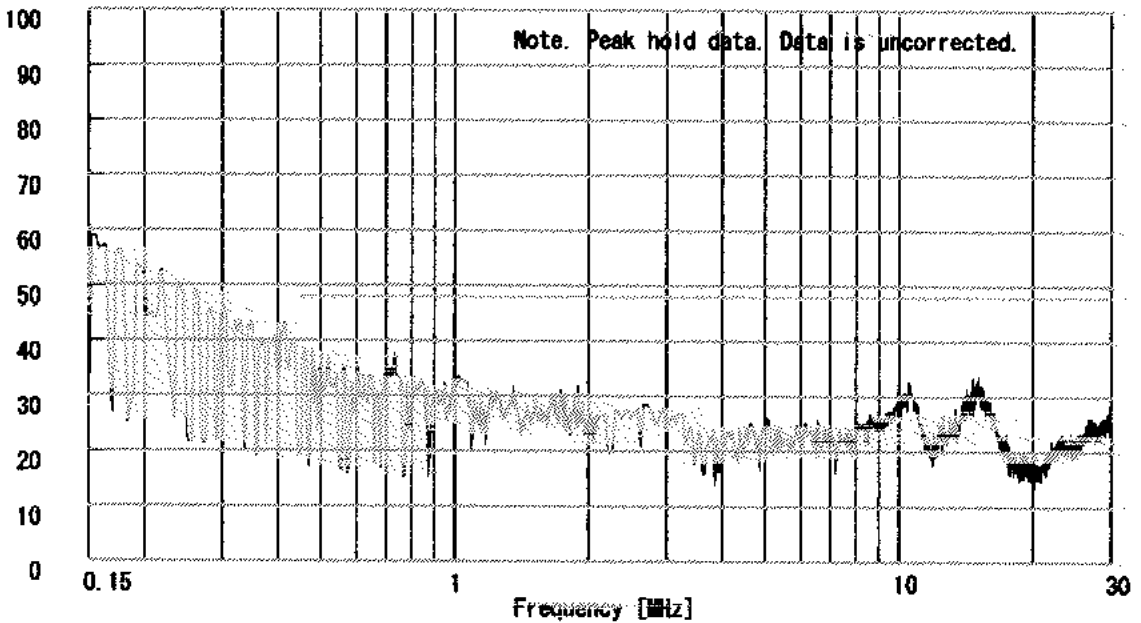
UL Apex Co., Ltd  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 25dBμV  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : ~~Tetsuya Takayama~~

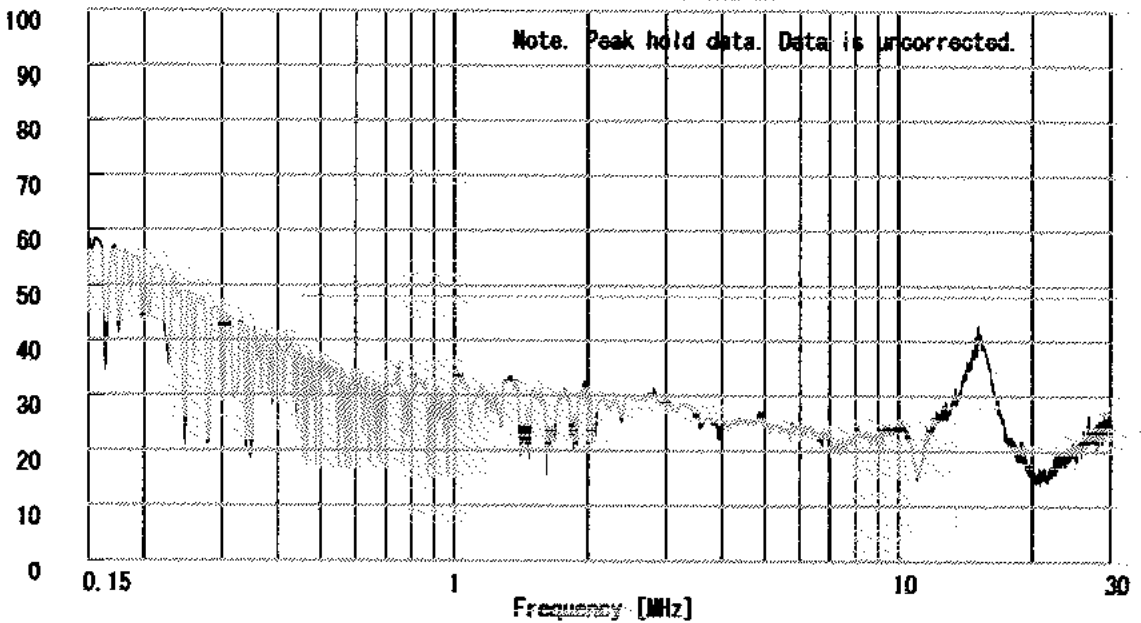
Emission Level [dBμV]

PHASE:N



Emission Level [dBμV]

PHASE:L1



# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
 Kind of Equipment : DVD Player and VCR  
 Model No. : PV-D744S  
 Serial No. : -  
 Power : AC120V/60Hz  
 Mode : AV Input 1 + Rec  
 Remarks : 1Vp-p  
 Date : 7/29/2003  
 Phase : Single Phase  
 Temperature : 26 °C  
 Humidity : 58 %  
 Regulation : FCC Part15B CLASS B

Engineer: Tsubasa Takayama

| No. | FREQ.<br>[MHz] | READING(N)   |              | READING(L1)  |              | LISN<br>FACTOR<br>[dBuV] | CABLE ATTN.    |        | RESULT | LIMITS       |              | MARGIN       |              |
|-----|----------------|--------------|--------------|--------------|--------------|--------------------------|----------------|--------|--------|--------------|--------------|--------------|--------------|
|     |                | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |                          | LOSS<br>[dBuV] | [dBuV] |        | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |
| 1.  | 0.5220         | 32.0         | -            | 29.4         | -            | 0.0                      | 0.2            | 0.0    | 32.2   | -            | 48.0         | 0.0          | 15.8         |
| 2.  | 0.7425         | 32.6         | -            | 30.8         | -            | 0.1                      | 0.2            | 0.0    | 32.9   | -            | 48.0         | 0.0          | 15.1         |
| 3.  | 0.8466         | 31.0         | -            | 31.6         | -            | 0.1                      | 0.2            | 0.0    | 31.9   | -            | 48.0         | 0.0          | 16.1         |
| 4.  | 1.0599         | 31.4         | -            | 31.5         | -            | 0.0                      | 0.3            | 0.0    | 31.8   | -            | 48.0         | 0.0          | 16.2         |
| 5.  | 2.6628         | 28.5         | -            | 28.3         | -            | 0.1                      | 0.4            | 0.0    | 29.0   | -            | 48.0         | 0.0          | 19.0         |
| 6.  | 10.3336        | 27.5         | -            | 21.3         | -            | 0.3                      | 0.7            | 0.0    | 28.5   | -            | 48.0         | 0.0          | 19.5         |
| 7.  | 14.7117        | 28.1         | -            | 29.5         | -            | 0.4                      | 0.9            | 0.0    | 30.8   | -            | 48.0         | 0.0          | 17.2         |

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

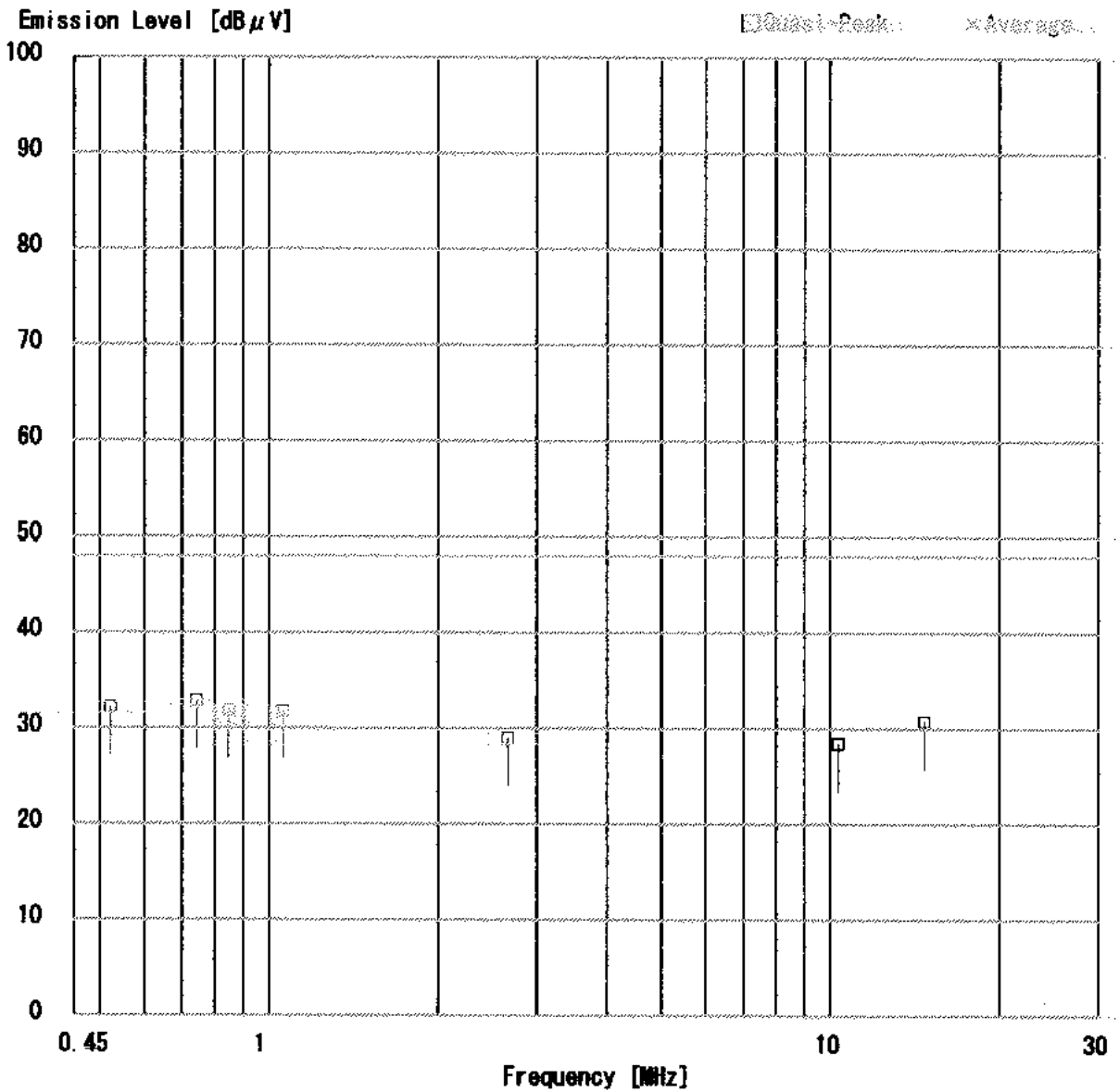
Except for the above table: adequate margin data below the limits.

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Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 1Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



# DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

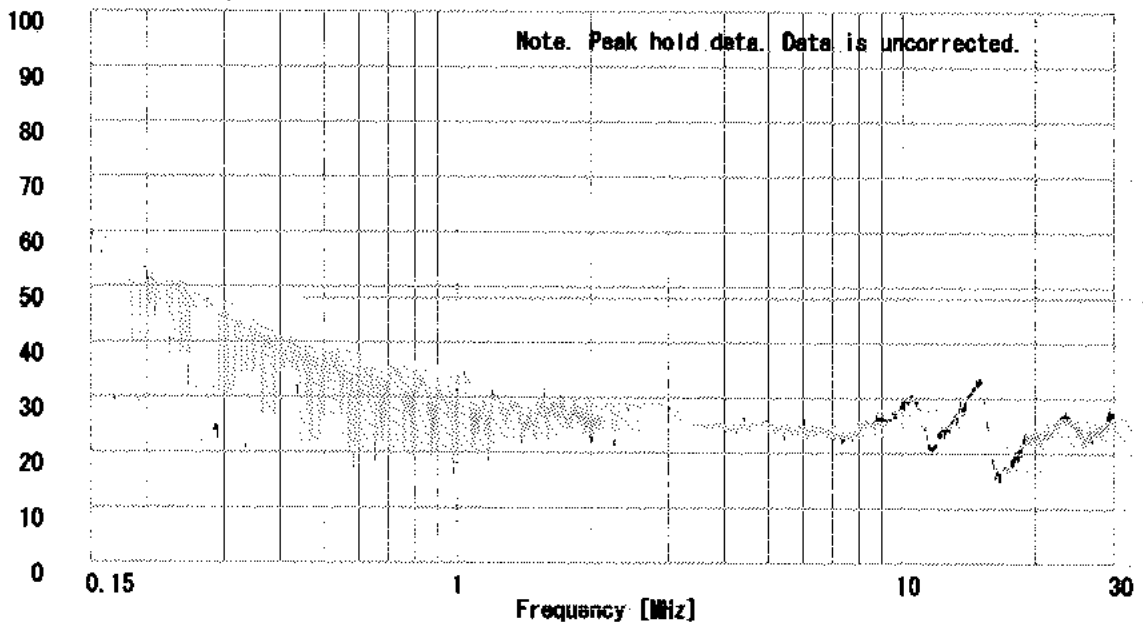
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PY-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 1Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : ~~Tsuneo Takayama~~

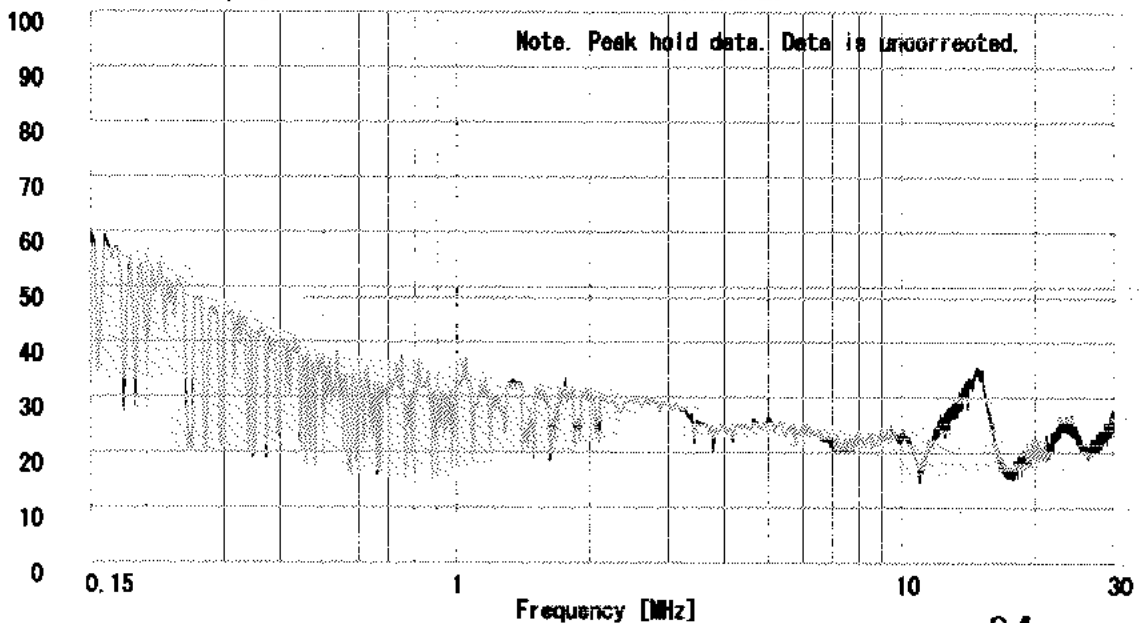
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



Page:

34

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Isuhara Takayama

| No. | FREQ.<br>[MHz] | READING (N)  |              | READING (L1) |              | LISN<br>FACTOR<br>[dBuV] | CABLE<br>LOSS<br>[dBuV] | ATTEN.<br>[dBuV] | RESULT       |              | LIMITS       |              | MARGIN       |              |
|-----|----------------|--------------|--------------|--------------|--------------|--------------------------|-------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|     |                | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |                          |                         |                  | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |
| 1.  | 0.5147         | 32.0         | -            | 29.1         | -            | 0.0                      | 0.2                     | 0.0              | 32.2         | -            | 48.0         | 0.0          | 15.8         | -            |
| 2.  | 0.7264         | 33.3         | -            | 31.3         | -            | 0.1                      | 0.2                     | 0.0              | 33.6         | -            | 48.0         | 0.0          | 14.4         | -            |
| 3.  | 0.8251         | 30.6         | -            | 31.1         | -            | 0.1                      | 0.2                     | 0.0              | 31.4         | -            | 48.0         | 0.0          | 16.6         | -            |
| 4.  | 1.0142         | 32.1         | -            | 32.2         | -            | 0.0                      | 0.3                     | 0.0              | 32.5         | -            | 48.0         | 0.0          | 15.5         | -            |
| 5.  | 2.6990         | 28.5         | -            | 28.3         | -            | 0.1                      | 0.4                     | 0.0              | 29.0         | -            | 48.0         | 0.0          | 19.0         | -            |
| 6.  | 10.5923        | 27.6         | -            | 21.6         | -            | 0.3                      | 0.7                     | 0.0              | 28.6         | -            | 48.0         | 0.0          | 19.4         | -            |
| 7.  | 14.6526        | 28.0         | -            | 30.3         | -            | 0.4                      | 0.9                     | 0.0              | 31.6         | -            | 48.0         | 0.0          | 16.4         | -            |

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

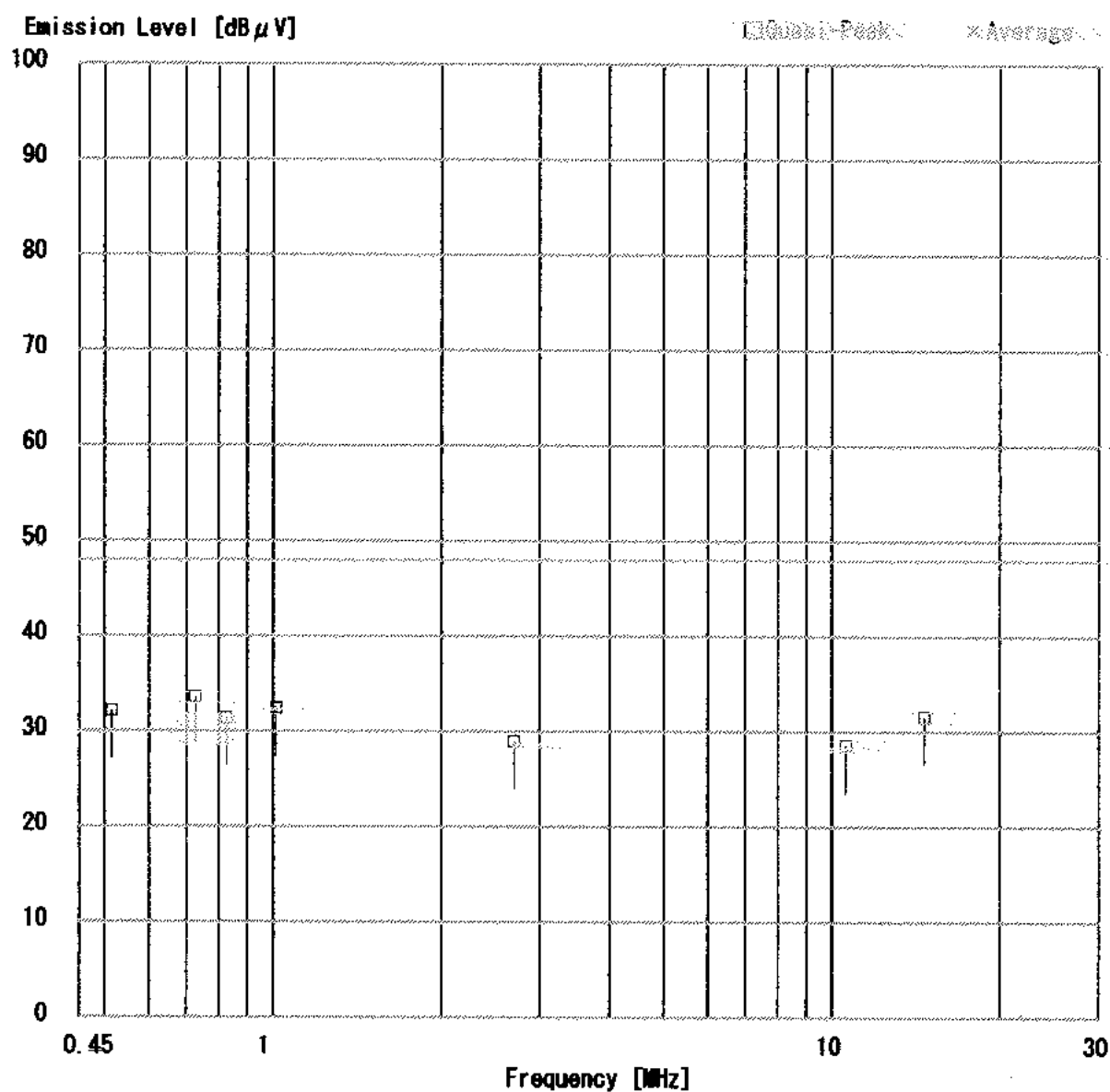
Except for the above table: adequate margin data below the limits.

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YOKOWA No.1 OPEN TEST SITE  
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Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



# DATA OF CONDUCTION TEST CHART

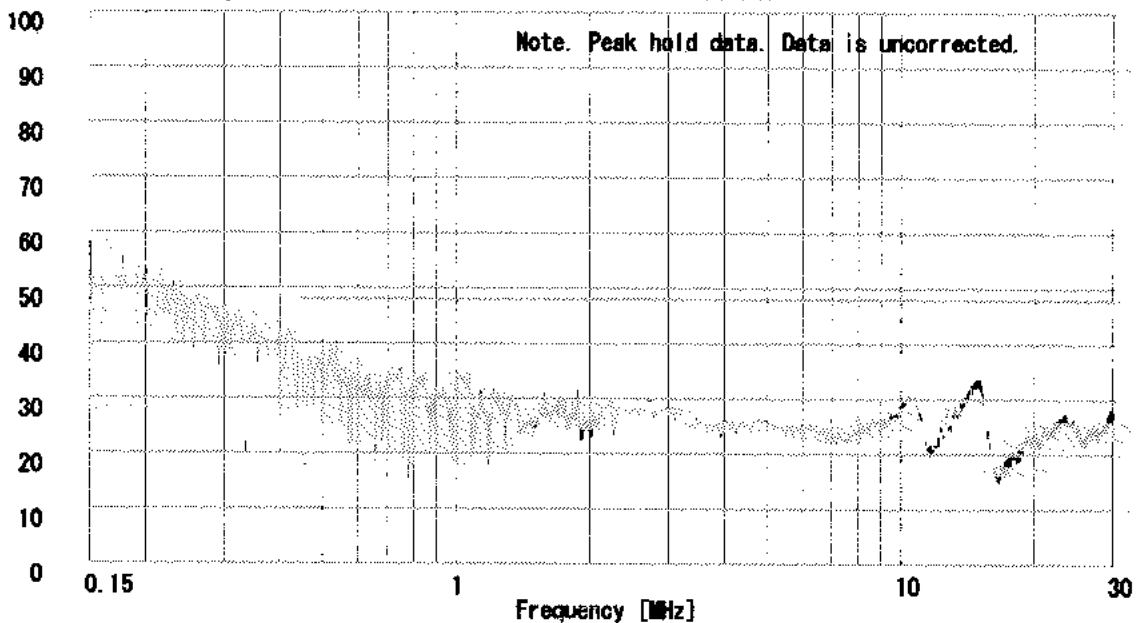
UL Apex Co., Ltd  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Taisuke Takayama

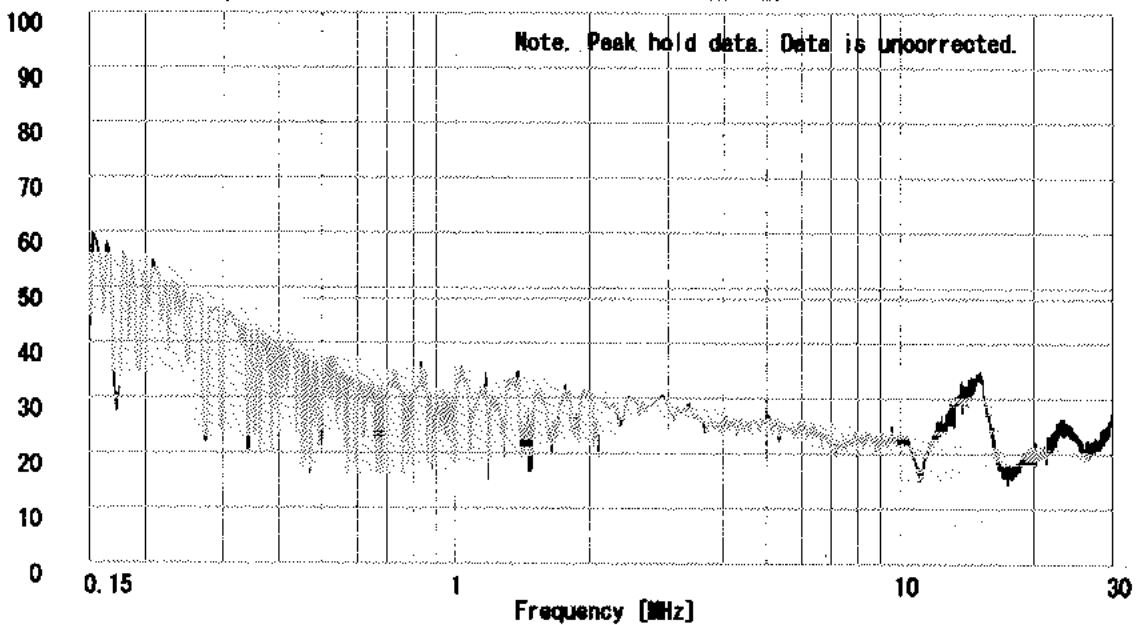
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
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Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 1Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Isubasa Takayama

| No. | FREQ.<br>[MHz] | READING(N)   |    | READING(L1)  |    | LISN<br>FACTOR<br>[dBuV] | CABLE<br>LOSS<br>[dBuV] | ATTEN.<br>[dBuV] | RESULT       |    | LIMITS       |     | MARGIN       |    |
|-----|----------------|--------------|----|--------------|----|--------------------------|-------------------------|------------------|--------------|----|--------------|-----|--------------|----|
|     |                | QP<br>[dBuV] | AV | QP<br>[dBuV] | AV |                          |                         |                  | QP<br>[dBuV] | AV | QP<br>[dBuV] | AV  | QP<br>[dBuV] | AV |
| 1.  | 0.5260         | 31.4         | -  | 29.4         | -  | 0.0                      | 0.2                     | 0.0              | 31.6         | -  | 48.0         | 0.0 | 16.4         | -  |
| 2.  | 0.7280         | 33.2         | -  | 31.3         | -  | 0.1                      | 0.2                     | 0.0              | 33.5         | -  | 48.0         | 0.0 | 14.5         | -  |
| 3.  | 0.8321         | 30.9         | -  | 31.4         | -  | 0.1                      | 0.2                     | 0.0              | 31.7         | -  | 48.0         | 0.0 | 16.3         | -  |
| 4.  | 1.0410         | 32.0         | -  | 32.2         | -  | 0.0                      | 0.3                     | 0.0              | 32.5         | -  | 48.0         | 0.0 | 15.5         | -  |
| 5.  | 2.6485         | 28.2         | -  | 28.4         | -  | 0.1                      | 0.4                     | 0.0              | 28.9         | -  | 48.0         | 0.0 | 19.1         | -  |
| 6.  | 10.6201        | 28.0         | -  | 21.6         | -  | 0.3                      | 0.7                     | 0.0              | 29.0         | -  | 48.0         | 0.0 | 19.0         | -  |
| 7.  | 14.3001        | 26.4         | -  | 28.6         | -  | 0.4                      | 0.8                     | 0.0              | 29.8         | -  | 48.0         | 0.0 | 18.2         | -  |

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

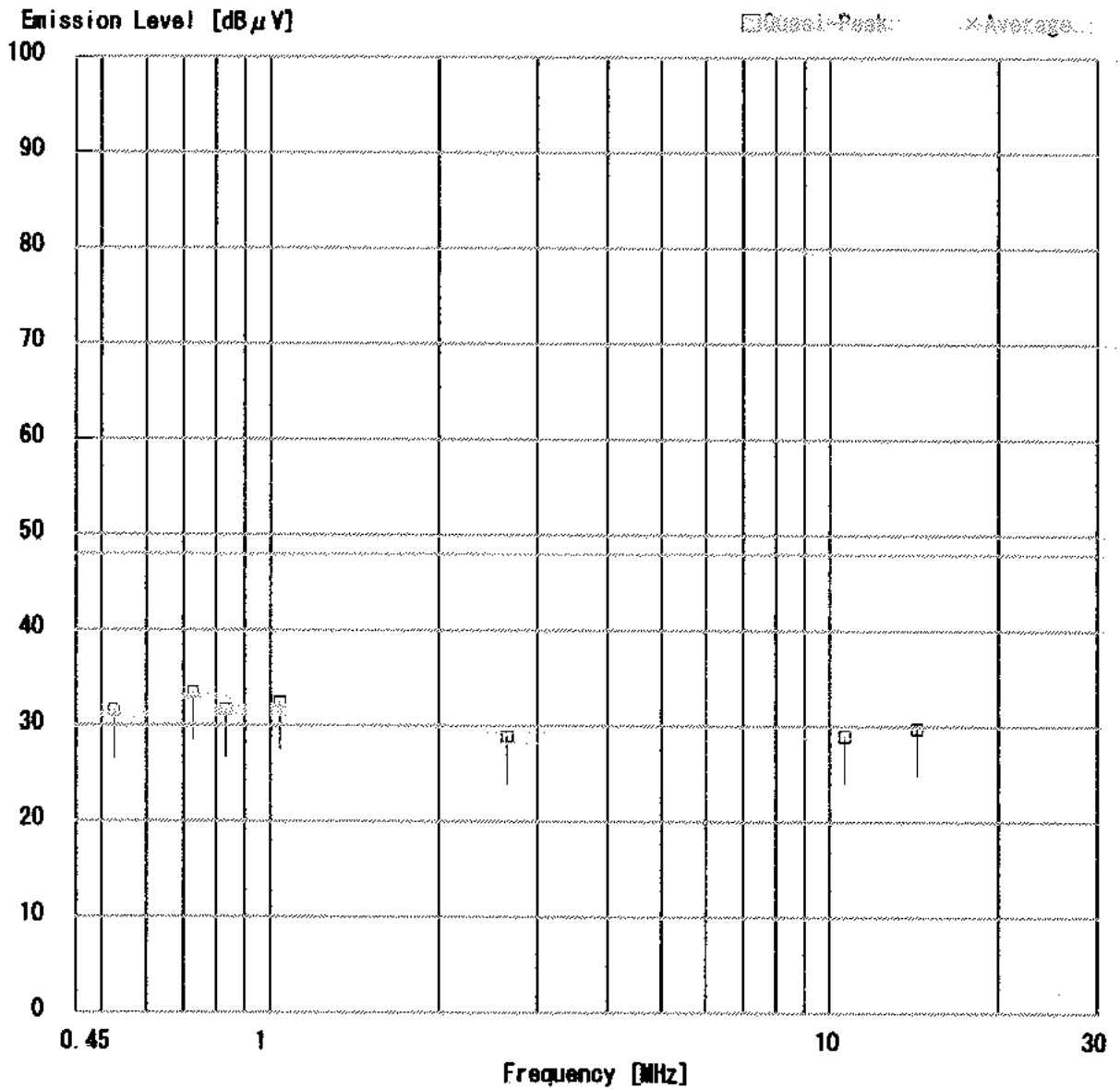
Except for the above table: adequate margin data below the limits.

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UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 1Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : ~~Isidoro Takayama~~



# DATA OF CONDUCTION TEST CHART

UL Apex Co., Ltd.

YOKOWA No.1 OPEN TEST SITE

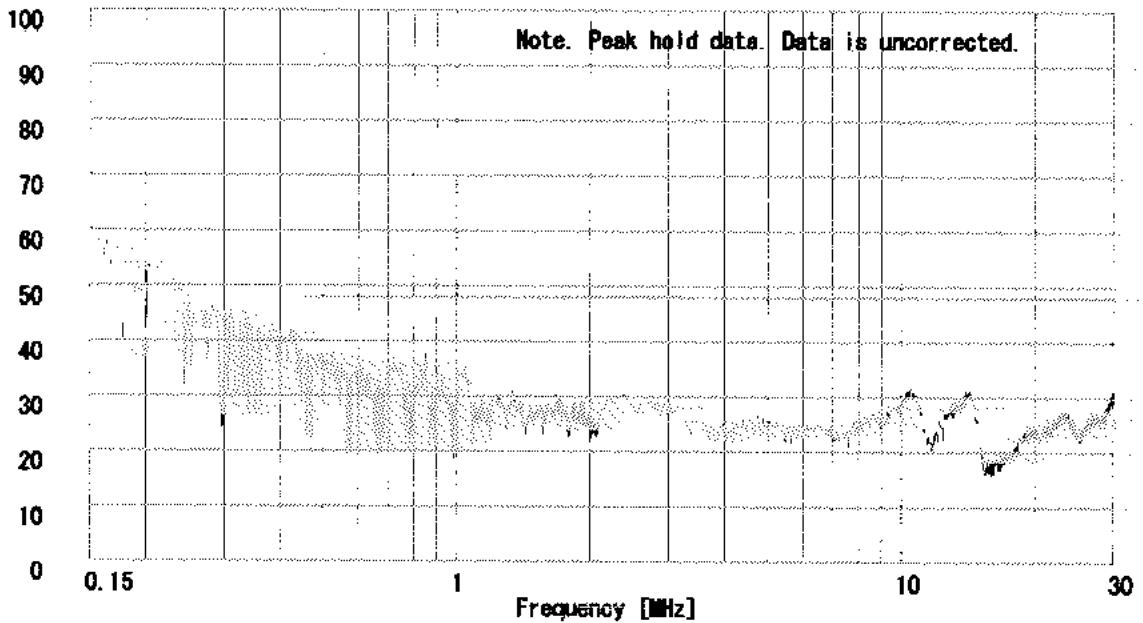
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PY-D744S  
Serial No. :  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 1Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Tsunasa Takayama

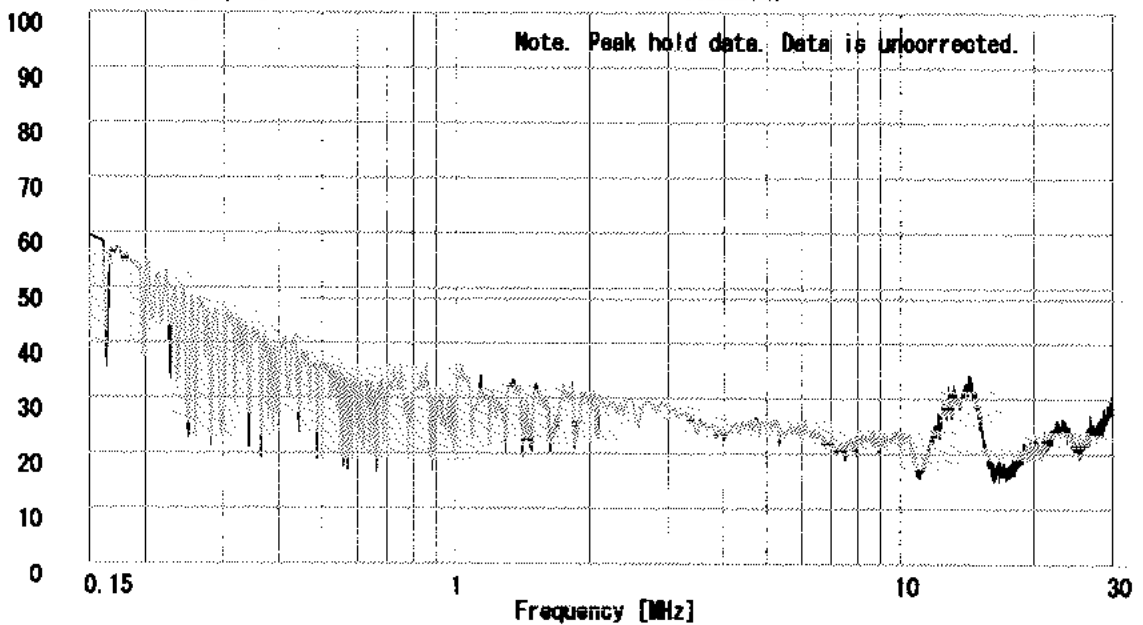
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PY-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Teubasa Takayama

| No. | FREQ.<br>[MHz] | READING (N)  |              | READING (L1) |              | LISN<br>FACTOR<br>[dBuV] | CABLE<br>LOSS<br>[dBuV] | ATTEN.<br>[dBuV] | RESULT       |              | LIMITS       |              | MARGIN       |              |
|-----|----------------|--------------|--------------|--------------|--------------|--------------------------|-------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|
|     |                | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |                          |                         |                  | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |
| 1.  | 0.5202         | 32.4         | -            | 29.2         | -            | 0.0                      | 0.2                     | 0.0              | 32.6         | -            | 48.0         | 0.0          | 15.4         | -            |
| 2.  | 0.7353         | 32.6         | -            | 31.2         | -            | 0.1                      | 0.2                     | 0.0              | 32.9         | -            | 48.0         | 0.0          | 15.1         | -            |
| 3.  | 0.8497         | 30.3         | -            | 30.9         | -            | 0.1                      | 0.2                     | 0.0              | 31.2         | -            | 48.0         | 0.0          | 16.8         | -            |
| 4.  | 1.0125         | 32.0         | -            | 32.1         | -            | 0.0                      | 0.3                     | 0.0              | 32.4         | -            | 48.0         | 0.0          | 15.6         | -            |
| 5.  | 2.7016         | 28.5         | -            | 27.9         | -            | 0.1                      | 0.4                     | 0.0              | 29.0         | -            | 48.0         | 0.0          | 19.0         | -            |
| 6.  | 10.3917        | 28.0         | -            | 21.2         | -            | 0.3                      | 0.7                     | 0.0              | 29.0         | -            | 48.0         | 0.0          | 19.0         | -            |
| 7.  | 14.0213        | 27.6         | -            | 29.0         | -            | 0.4                      | 0.8                     | 0.0              | 30.2         | -            | 48.0         | 0.0          | 17.8         | -            |

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

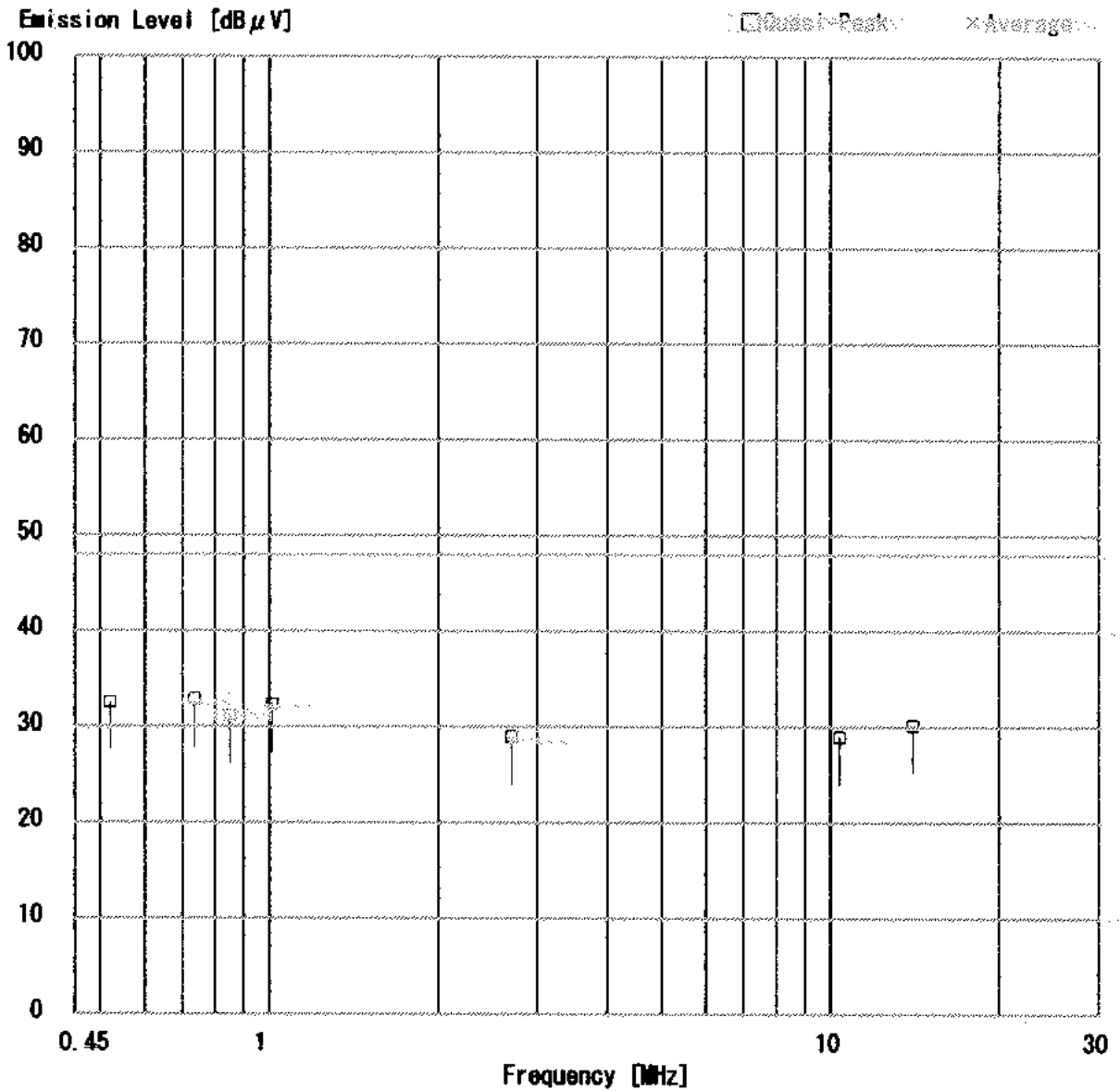
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Teubasa Takayama



# DATA OF CONDUCTION TEST CHART

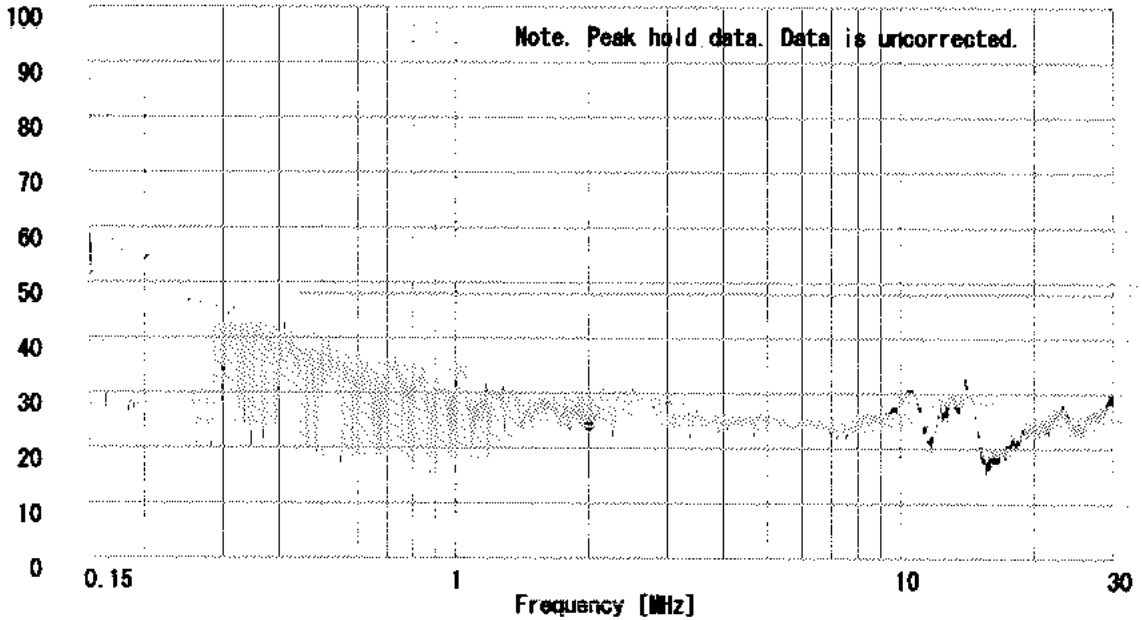
UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 5Vp-p  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Isubasa Takayama

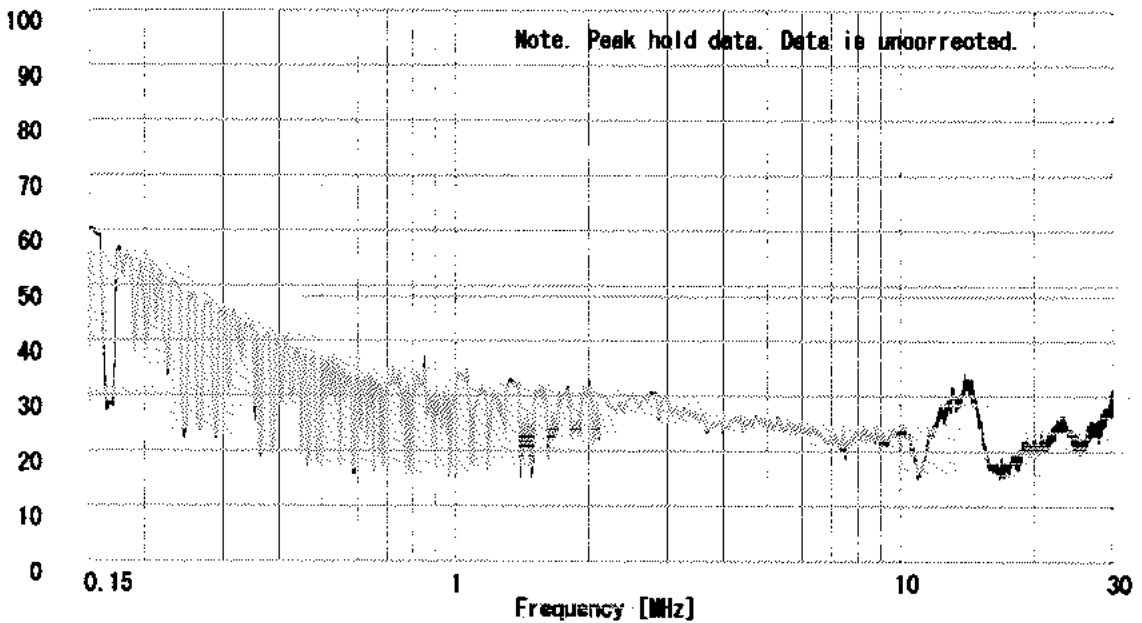
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer  Isabasa Takayama

| No. | FREQ.<br>[MHz] | READING(N) |    | READING(L1) |    | LISN<br>FACTOR | CABLE LOSS |        | ATTEN. | RESULT |      | LIMITS |      | MARGIN |    |
|-----|----------------|------------|----|-------------|----|----------------|------------|--------|--------|--------|------|--------|------|--------|----|
|     |                | QP         | AV | QP          | AV |                | [dBuV]     | [dBuV] |        | QP     | AV   | QP     | AV   | QP     | AV |
|     |                | [dBuV]     |    | [dBuV]      |    |                |            |        |        | [dBuV] |      | [dBuV] |      | [dBuV] |    |
| 1.  | 0.5374         | 30.5       | -  | 28.2        | -  | 0.0            | 0.2        | 0.0    | 30.7   | -      | 48.0 | 0.0    | 17.3 | -      |    |
| 2.  | 0.7588         | 30.5       | -  | 28.4        | -  | 0.1            | 0.2        | 0.0    | 30.8   | -      | 48.0 | 0.0    | 17.2 | -      |    |
| 3.  | 0.8490         | 28.2       | -  | 29.7        | -  | 0.1            | 0.2        | 0.0    | 30.0   | -      | 48.0 | 0.0    | 18.0 | -      |    |
| 4.  | 1.0702         | 29.0       | -  | 30.3        | -  | 0.0            | 0.3        | 0.0    | 30.6   | -      | 48.0 | 0.0    | 17.4 | -      |    |
| 5.  | 2.2923         | 29.5       | -  | 28.4        | -  | 0.1            | 0.4        | 0.0    | 30.0   | -      | 48.0 | 0.0    | 18.0 | -      |    |
| 6.  | 10.5400        | 26.2       | -  | 19.3        | -  | 0.3            | 0.7        | 0.0    | 27.2   | -      | 48.0 | 0.0    | 20.8 | -      |    |
| 7.  | 29.1626        | 23.1       | -  | 23.1        | -  | 1.3            | 1.2        | 0.0    | 25.6   | -      | 48.0 | 0.0    | 22.4 | -      |    |

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

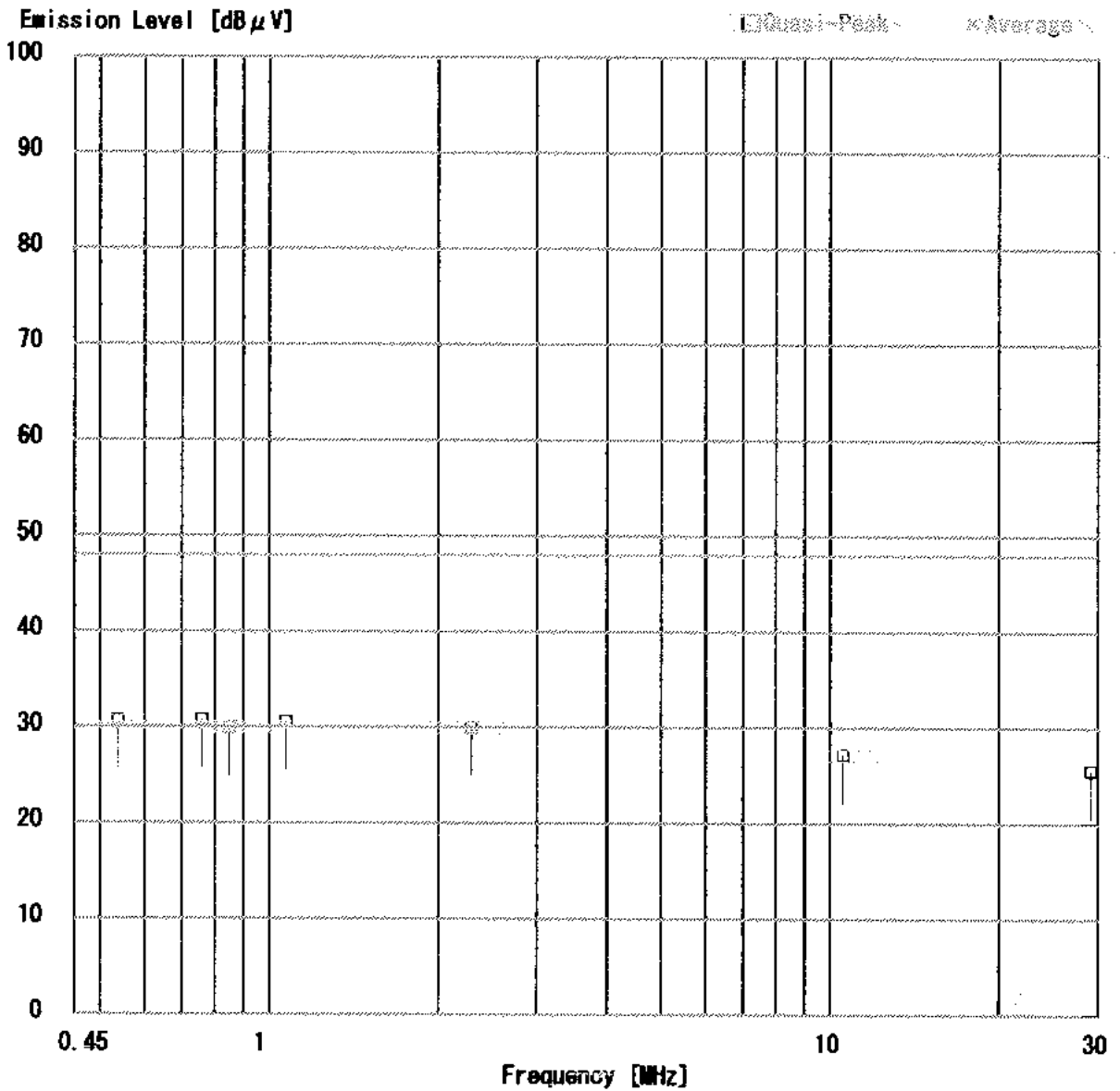
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer :  Teubasa Takayama



# DATA OF CONDUCTION TEST CHART

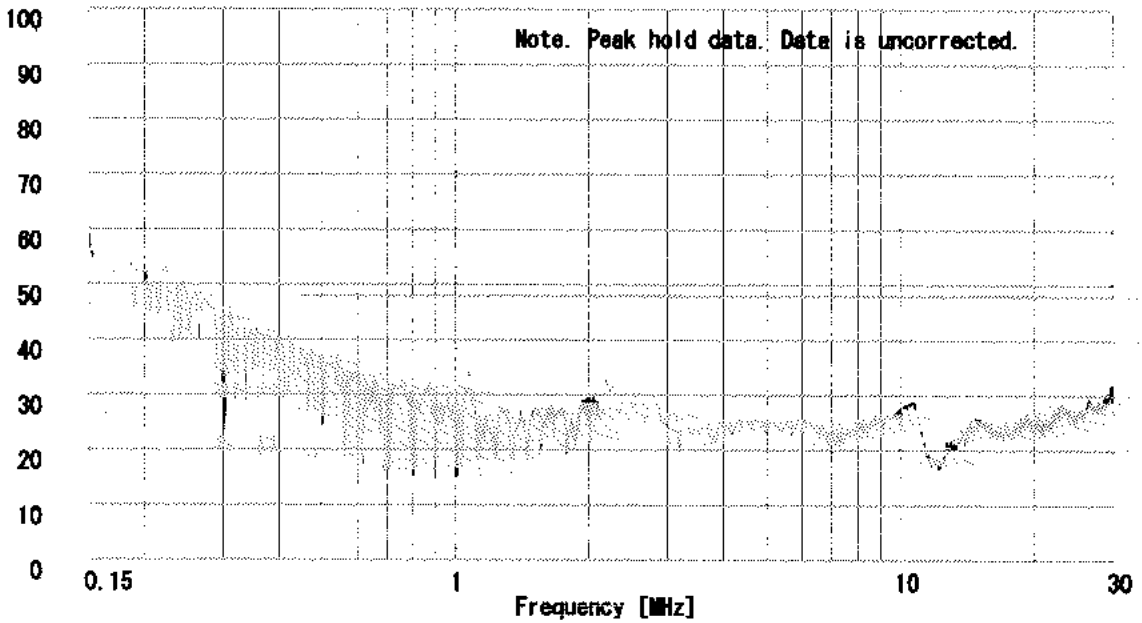
UL Apex Co., Ltd  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Tsubasa Takayama

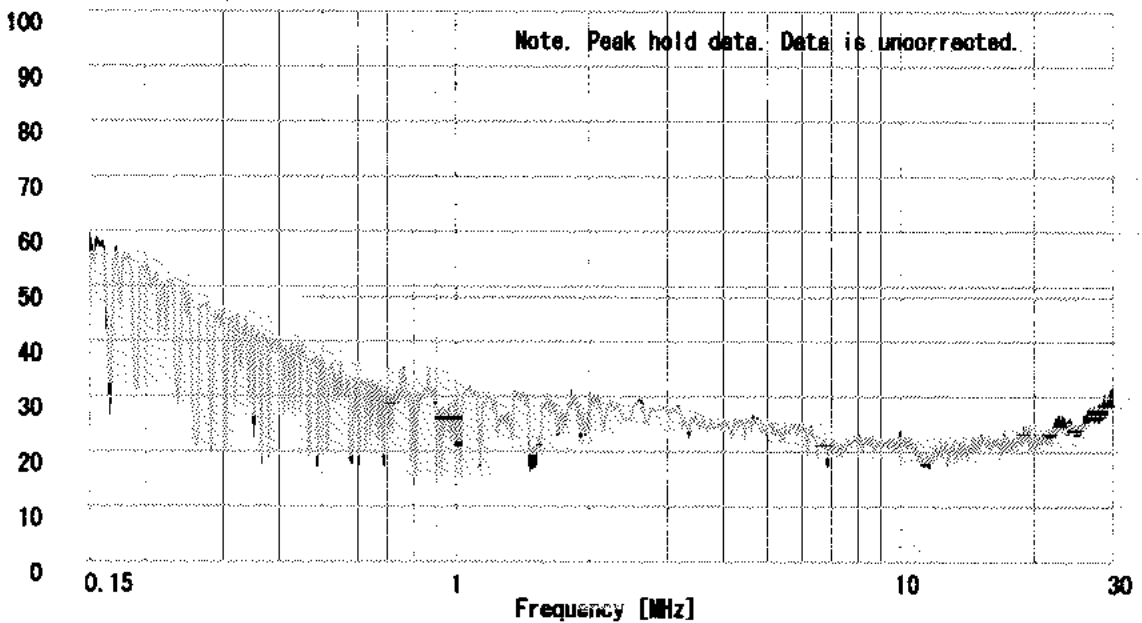
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



Page:

46

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | READING (N)  |              | READING (L1) |              | LISN<br>FACTOR<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT       |              | LIMITS       |              | MARGIN     |            |
|-----|----------------|--------------|--------------|--------------|--------------|------------------------|-----------------------|----------------|--------------|--------------|--------------|--------------|------------|------------|
|     |                | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] |                        |                       |                | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dBuV] | AV<br>[dBuV] | QP<br>[dB] | AV<br>[dB] |
| 1.  | 0.4547         | 29.8         | -            | 28.9         | -            | 0.0                    | 0.2                   | 0.0            | 30.0         | -            | 48.0         | 0.0          | 18.0       | -          |
| 2.  | 0.5561         | 30.0         | -            | 27.6         | -            | 0.0                    | 0.2                   | 0.0            | 30.2         | -            | 48.0         | 0.0          | 17.8       | -          |
| 3.  | 0.7705         | 30.3         | -            | 29.3         | -            | 0.1                    | 0.2                   | 0.0            | 30.6         | -            | 48.0         | 0.0          | 17.4       | -          |
| 4.  | 0.8495         | 29.3         | -            | 30.4         | -            | 0.1                    | 0.2                   | 0.0            | 30.7         | -            | 48.0         | 0.0          | 17.3       | -          |
| 5.  | 1.0521         | 29.9         | -            | 30.3         | -            | 0.0                    | 0.3                   | 0.0            | 30.6         | -            | 48.0         | 0.0          | 17.4       | -          |
| 6.  | 2.2312         | 29.4         | -            | 28.6         | -            | 0.1                    | 0.4                   | 0.0            | 29.9         | -            | 48.0         | 0.0          | 18.1       | -          |
| 7.  | 10.4124        | 26.6         | -            | 21.3         | -            | 0.3                    | 0.7                   | 0.0            | 27.6         | -            | 48.0         | 0.0          | 20.4       | -          |
| 8.  | 17.3867        | 29.8         | -            | 30.2         | -            | 0.5                    | 0.9                   | 0.0            | 31.6         | -            | 48.0         | 0.0          | 16.4       | -          |
| 9.  | 28.6344        | 34.9         | -            | 35.2         | -            | 1.3                    | 1.1                   | 0.0            | 37.6         | -            | 48.0         | 0.0          | 10.4       | -          |

CALCULATION: READING[dBμV] + LISN FACTOR[dB] + CABLE LOSS[dB] + ATTEN[dB].

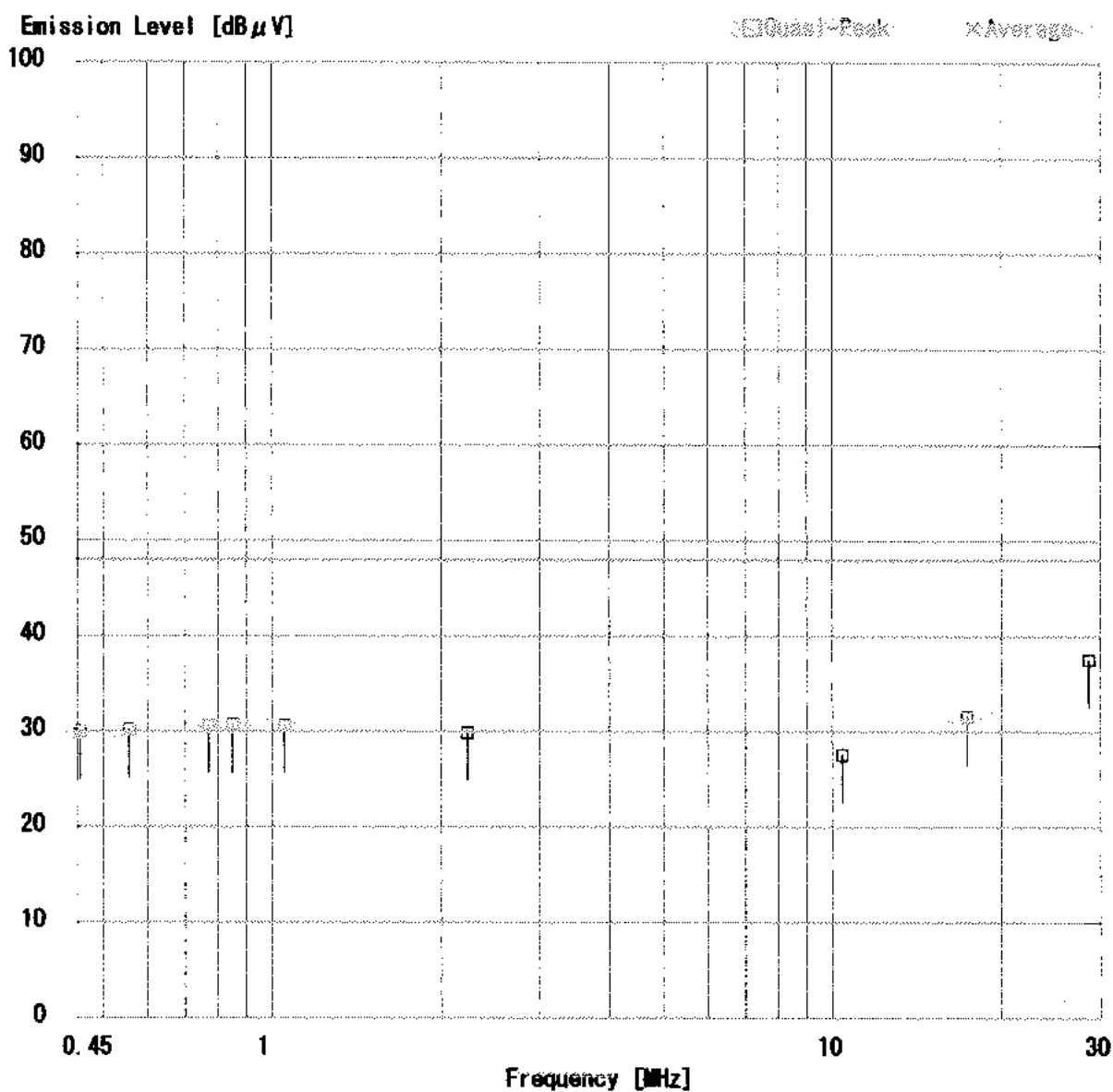
Except for the above table: adequate margin data below the limits.

# DATA OF CONDUCTION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation : FCC Part15B CLASS B

Engineer ~~Takahashi Takayama~~



# DATA OF CONDUCTION TEST CHART

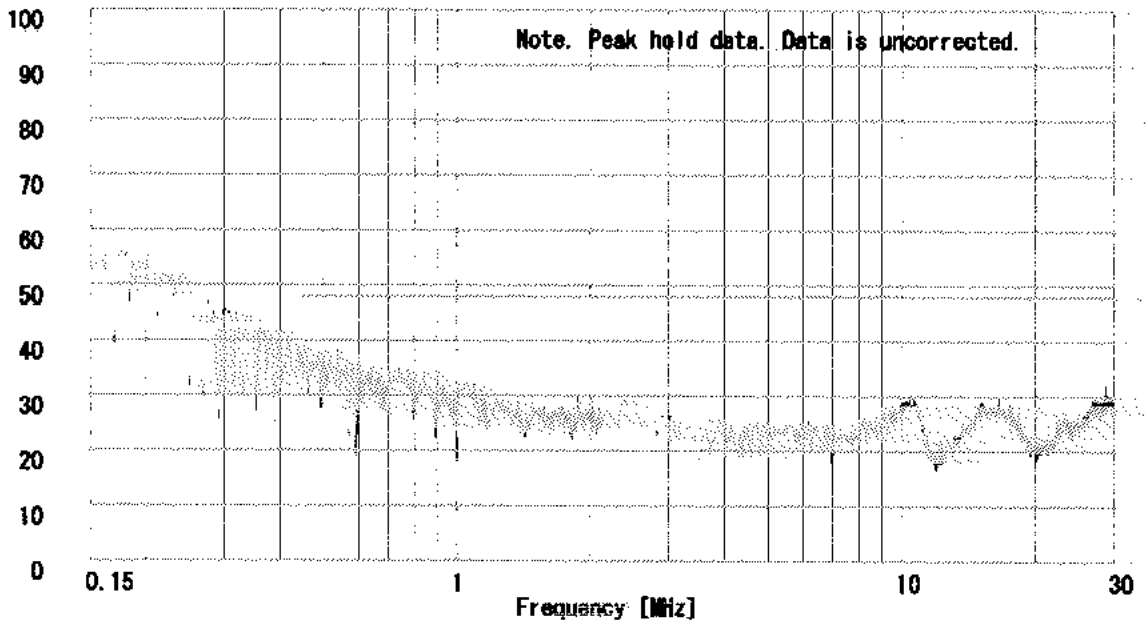
UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 7/29/2003  
Phase : Single Phase  
Temperature : 26 °C  
Humidity : 58 %  
Regulation 1 : FCC Part15B CLASS B  
Regulation 2 : None

Engineer : Tsubasa Takayama

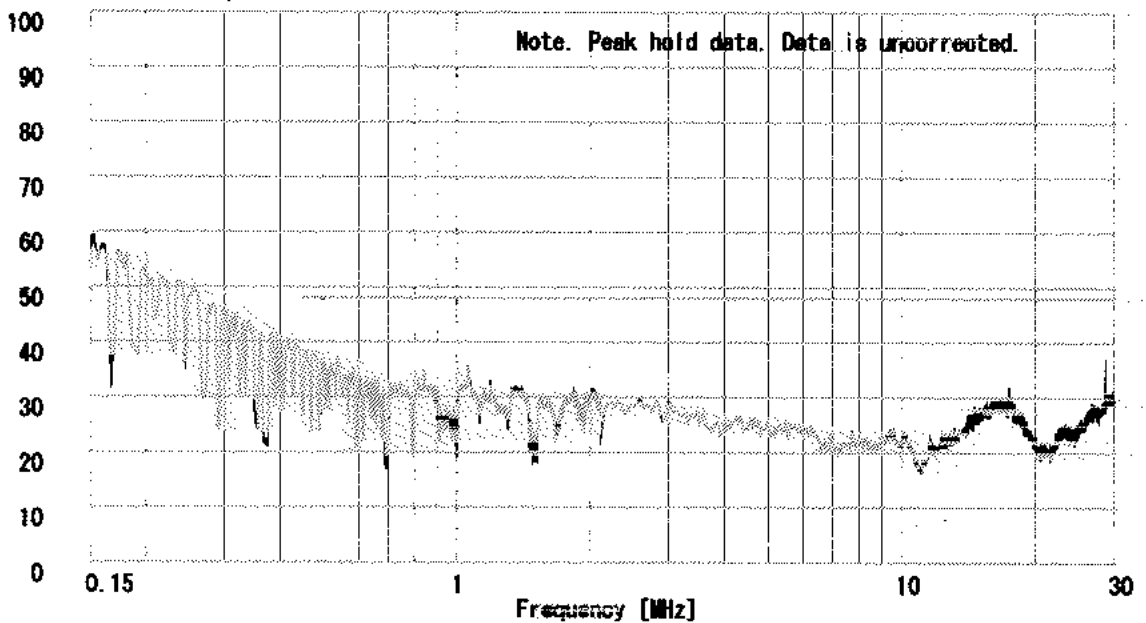
Emission Level [dB $\mu$ V]

PHASE:N



Emission Level [dB $\mu$ V]

PHASE:L1



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA NO.3 OPEN TEST SITE

COMPANY : Orion Electric Co., Ltd.  
EQUIPMENT : DVD Player and VCR  
MODEL No. : PV-D744S  
POWER : AC120V/60Hz  
DESCRIPTION : TV Reception+Rec

REPORT No. : 23LE0123-YW-1  
REGULATION : FCC PART15 B  
TEST DISTANCE : 3m  
ATTENUATION : 101-847MHz 6dB  
1030-1694MHz 0dB  
DATE : August 5, 2003

ENGINEER Tsubasa Takayama

| CH.              | FREQ<br>[MHz] | READINGG |      | ANT<br>TYPE | ANT.<br>FAC.<br>[dB] | CABLE<br>LOSS<br>[dB] | AMP<br>GAIN<br>[dB] | RESULTS  |      | LIMIT<br>[dBuV/m] | MARGIN |      |
|------------------|---------------|----------|------|-------------|----------------------|-----------------------|---------------------|----------|------|-------------------|--------|------|
|                  |               | HOR.     | VER. |             |                      |                       |                     | HOR.     | VER. |                   | HOR.   | VER. |
|                  |               | [dBuV]   |      |             |                      |                       |                     | [dBuV/m] |      |                   | [dB]   | [dB] |
| VHF Fundamental  |               |          |      |             |                      |                       |                     |          |      |                   |        |      |
| 2                | 101           | 25.6     | 28.6 | BC          | 10.1                 | 1.9                   | 28.6                | 15.0     | 18.0 | 43.5              | 28.5   | 25.5 |
| 3                | 107           | 27.2     | 26.3 | BC          | 11.1                 | 2.0                   | 28.7                | 17.6     | 16.7 | 43.5              | 25.9   | 26.8 |
| 4                | 113           | 25.3     | 26.3 | BC          | 12.2                 | 2.0                   | 28.9                | 16.6     | 17.6 | 43.5              | 26.9   | 25.9 |
| 5                | 123           | 25.6     | 26.3 | BC          | 13.5                 | 2.1                   | 28.7                | 18.5     | 19.2 | 43.5              | 25.0   | 24.3 |
| 6                | 129           | 26.6     | 27.2 | BC          | 13.8                 | 2.2                   | 28.9                | 19.7     | 20.3 | 43.5              | 23.8   | 23.2 |
| 7                | 221           | 25.3     | 26.3 | BC          | 16.4                 | 3.1                   | 28.8                | 22.0     | 23.0 | 46.0              | 24.0   | 23.0 |
| 8                | 227           | 24.3     | 24.9 | BC          | 16.4                 | 3.1                   | 28.9                | 20.9     | 21.5 | 46.0              | 25.1   | 24.5 |
| 9                | 233           | 25.9     | 25.3 | BC          | 16.5                 | 3.1                   | 28.9                | 22.6     | 22.0 | 46.0              | 23.4   | 24.0 |
| 10               | 239           | 24.3     | 24.7 | BC          | 16.5                 | 3.2                   | 28.9                | 21.1     | 21.5 | 46.0              | 24.9   | 24.5 |
| 11               | 245           | 24.8     | 25.3 | BC          | 16.6                 | 3.2                   | 28.9                | 21.7     | 22.2 | 46.0              | 24.3   | 23.8 |
| 12               | 251           | 23.9     | 24.1 | BC          | 16.7                 | 3.3                   | 28.9                | 21.0     | 21.2 | 46.0              | 25.0   | 24.8 |
| 13               | 257           | 24.8     | 24.9 | BC          | 17.0                 | 3.3                   | 28.9                | 22.2     | 22.3 | 46.0              | 23.8   | 23.7 |
| VHF 2nd Harmonic |               |          |      |             |                      |                       |                     |          |      |                   |        |      |
| 2                | 202           | 23.3     | 22.6 | BC          | 16.2                 | 2.9                   | 28.8                | 19.6     | 18.9 | 43.5              | 23.9   | 24.6 |
| 3                | 214           | 21.9     | 22.3 | BC          | 16.3                 | 3.0                   | 28.8                | 18.4     | 18.8 | 43.5              | 25.1   | 24.7 |
| 4                | 226           | 22.0     | 22.1 | BC          | 16.4                 | 3.1                   | 28.9                | 18.6     | 18.7 | 46.0              | 27.4   | 27.3 |
| 5                | 246           | 21.8     | 22.5 | BC          | 16.6                 | 3.2                   | 28.9                | 18.7     | 19.4 | 46.0              | 27.3   | 26.6 |
| 6                | 258           | 21.5     | 22.8 | BC          | 17.1                 | 3.3                   | 28.9                | 19.0     | 20.3 | 46.0              | 27.0   | 25.7 |
| 7                | 442           | 22.4     | 23.1 | LP          | 18.4                 | 5.0                   | 28.9                | 22.9     | 23.6 | 46.0              | 23.1   | 22.4 |
| 8                | 454           | 22.1     | 22.1 | LP          | 18.6                 | 5.0                   | 28.9                | 22.8     | 22.8 | 46.0              | 23.2   | 23.2 |
| 9                | 466           | 22.3     | 22.5 | LP          | 18.8                 | 5.1                   | 28.8                | 23.4     | 23.6 | 46.0              | 22.6   | 22.4 |
| 10               | 478           | 23.0     | 23.6 | LP          | 19.0                 | 5.2                   | 28.8                | 24.4     | 25.0 | 46.0              | 21.6   | 21.0 |
| 11               | 490           | 22.3     | 22.5 | LP          | 19.2                 | 5.2                   | 28.9                | 23.8     | 24.0 | 46.0              | 22.2   | 22.0 |
| 12               | 502           | 22.5     | 22.4 | LP          | 19.3                 | 5.4                   | 28.9                | 24.3     | 24.2 | 46.0              | 21.7   | 21.8 |
| 13               | 514           | 22.3     | 22.6 | LP          | 19.4                 | 5.4                   | 28.9                | 24.2     | 24.5 | 46.0              | 21.8   | 21.5 |

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA NO.3 OPEN TEST SITE

COMPANY : Orion Electric Co., Ltd.  
EQUIPMENT : DVD Player and VCR  
MODEL No. : PV-D744S  
POWER : AC120V/60Hz  
DESCRIPTION : TV Reception+Rec

REPORT No. : 23LE0123-YW-1  
REGULATION : FCC PART15 B  
TEST DISTANCE : 3m  
ATTENUATION : 101-847MHz 6dB  
1030-1694MHz 0dB  
DATE : August 5, 2003

ENGINEER : Tsubasa Takayama

| CH               | FREQ  | READINGG |      | ANT<br>TYPE | ANT.<br>FAC. | CABLE<br>LOSS | AMP<br>GAIN | RESULTS |      | LIMIT | MARGIN |          |
|------------------|-------|----------|------|-------------|--------------|---------------|-------------|---------|------|-------|--------|----------|
|                  | [MHz] | HOR.     | VER. |             |              |               |             | [dBuV]  | HOR. |       | VER.   | [dBuV/m] |
| UHF Fundamental  |       |          |      |             |              |               |             |         |      |       |        |          |
| 14               | 517   | 28.4     | 23.3 | LP          | 19.4         | 5.4           | 28.9        | 30.3    | 25.2 | 46.0  | 15.7   | 20.8     |
| 19               | 547   | 25.6     | 24.7 | LP          | 19.7         | 5.5           | 29.0        | 27.8    | 26.9 | 46.0  | 18.2   | 19.1     |
| 28               | 601   | 24.0     | 25.7 | LP          | 20.1         | 5.8           | 28.9        | 27.0    | 28.7 | 46.0  | 19.0   | 17.3     |
| 36               | 649   | 23.6     | 24.7 | LP          | 20.9         | 6.1           | 29.0        | 27.6    | 28.7 | 46.0  | 18.4   | 17.3     |
| 44               | 697   | 24.1     | 27.3 | LP          | 21.7         | 6.4           | 28.9        | 29.3    | 32.5 | 46.0  | 16.7   | 13.5     |
| 53               | 751   | 23.2     | 25.1 | LP          | 22.5         | 6.7           | 28.9        | 29.5    | 31.4 | 46.0  | 16.5   | 14.6     |
| 61               | 799   | 23.8     | 24.6 | LP          | 23.1         | 6.8           | 28.9        | 30.8    | 31.6 | 46.0  | 15.2   | 14.4     |
| 69               | 847   | 24.2     | 25.3 | LP          | 23.5         | 7.1           | 28.9        | 31.9    | 33.0 | 46.0  | 14.1   | 13.0     |
| UHF 2nd Harmonic |       |          |      |             |              |               |             |         |      |       |        |          |
| 14               | 1034  | 48.4     | 50.8 | HO          | 24.7         | 1.6           | 39.0        | 35.7    | 38.1 | 54.0  | 18.3   | 15.9     |
| 19               | 1094  | 48.8     | 51.4 | HO          | 24.9         | 1.7           | 39.0        | 36.4    | 39.0 | 54.0  | 17.6   | 15.0     |
| 28               | 1202  | 46.8     | 48.6 | HO          | 25.3         | 1.8           | 38.8        | 35.1    | 36.9 | 54.0  | 18.9   | 17.1     |
| 36               | 1298  | 47.7     | 48.2 | HO          | 25.7         | 1.9           | 38.7        | 36.6    | 37.1 | 54.0  | 17.4   | 16.9     |
| 44               | 1394  | 46.3     | 45.4 | HO          | 26.0         | 2.0           | 38.6        | 35.7    | 34.8 | 54.0  | 18.3   | 19.2     |
| 53               | 1502  | 48.0     | 49.8 | HO          | 26.4         | 2.1           | 38.5        | 38.0    | 39.8 | 54.0  | 16.0   | 14.2     |
| 61               | 1598  | 46.1     | 46.9 | HO          | 27.2         | 2.2           | 38.4        | 37.1    | 37.9 | 54.0  | 16.9   | 16.1     |
| 69               | 1694  | 45.9     | 44.3 | HO          | 28.0         | 2.3           | 38.3        | 37.9    | 36.3 | 54.0  | 16.1   | 17.7     |

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA NO.3 OPEN TEST SITE

COMPANY : Orion Electric Co., Ltd.  
EQUIPMENT : DVD Player and VCR  
MODEL No. : PV-D744S  
POWER : AC120V/60Hz  
DESCRIPTION : TV Reception+Rec

REPORT No. : 23LE0123-YW-1  
REGULATION : FCC PART15 B  
TEST DISTANCE : 3m  
ATTENUATION : 101-847MHz 6dB  
1030-1694MHz 0dB  
DATE : August 5, 2003

ENGINEER : Tsubasa Takayama

| CH.               | FREQ  | READINGG |      | ANT<br>TYPE | ANT.<br>FAC. | CABLE<br>LOSS | AMP<br>GAIN | RESULTS |      | LIMIT | MARGIN |      |
|-------------------|-------|----------|------|-------------|--------------|---------------|-------------|---------|------|-------|--------|------|
|                   | [MHz] | HOR.     | VER. |             |              |               |             | HOR.    | VER. |       | HOR.   | VER. |
| CATV Fundamental  |       |          |      |             |              |               |             |         |      |       |        |      |
| 1                 | 119   | 24.2     | 24.5 | BC          | 13.2         | 2.1           | 27.9        | 17.6    | 17.9 | 43.5  | 25.9   | 25.6 |
| 95                | 137   | 24.3     | 24.6 | BC          | 14.1         | 2.3           | 27.9        | 18.8    | 19.1 | 43.5  | 24.7   | 24.4 |
| 97                | 149   | 24.5     | 24.8 | BC          | 14.5         | 2.4           | 27.7        | 19.7    | 20.0 | 43.5  | 23.8   | 23.5 |
| 99                | 161   | 24.3     | 25.3 | BC          | 14.9         | 2.5           | 27.8        | 19.9    | 20.9 | 43.5  | 23.6   | 22.6 |
| 14                | 167   | 24.9     | 24.4 | BC          | 15.2         | 2.6           | 27.8        | 20.9    | 20.4 | 43.5  | 22.6   | 23.1 |
| 18                | 191   | 25.3     | 26.1 | BC          | 16.0         | 2.8           | 27.8        | 22.3    | 23.1 | 43.5  | 21.2   | 20.4 |
| 22                | 215   | 24.9     | 25.3 | BC          | 16.3         | 3.0           | 27.8        | 22.4    | 22.8 | 43.5  | 21.1   | 20.7 |
| 23                | 263   | 25.6     | 25.3 | BC          | 17.4         | 3.4           | 27.5        | 24.9    | 24.6 | 46.0  | 21.1   | 21.4 |
| 29                | 299   | 25.1     | 25.6 | BC          | 19.7         | 3.8           | 27.8        | 26.8    | 27.3 | 46.0  | 19.2   | 18.7 |
| 36                | 341   | 24.3     | 23.6 | LP          | 16.7         | 4.2           | 27.9        | 23.3    | 22.6 | 46.0  | 22.7   | 23.4 |
| 37                | 347   | 24.3     | 23.2 | LP          | 16.8         | 4.2           | 27.9        | 23.4    | 22.3 | 46.0  | 22.6   | 23.7 |
| 65                | 515   | 26.5     | 29.1 | LP          | 21.4         | 5.4           | 27.9        | 31.4    | 34.0 | 46.0  | 14.6   | 12.0 |
| 94                | 689   | 24.8     | 27.6 | LP          | 21.6         | 6.3           | 27.2        | 31.5    | 34.3 | 46.0  | 14.5   | 11.7 |
| 100               | 695   | 25.9     | 28.4 | LP          | 21.7         | 6.4           | 27.1        | 32.9    | 35.4 | 46.0  | 13.1   | 10.6 |
| 113               | 773   | 25.0     | 26.0 | LP          | 22.7         | 6.8           | 27.0        | 33.5    | 34.5 | 46.0  | 12.5   | 11.5 |
| 125               | 845   | 25.4     | 23.9 | LP          | 23.5         | 7.1           | 27.0        | 35.0    | 33.5 | 46.0  | 11.0   | 12.5 |
| CATV 2nd Harmonic |       |          |      |             |              |               |             |         |      |       |        |      |
| 1                 | 238   | 22.1     | 24.3 | BC          | 16.5         | 3.2           | 27.5        | 20.3    | 22.5 | 46.0  | 25.7   | 23.5 |
| 95                | 274   | 24.1     | 22.3 | BC          | 18.1         | 3.5           | 27.8        | 23.9    | 22.1 | 46.0  | 22.1   | 23.9 |
| 97                | 298   | 23.6     | 22.7 | BC          | 19.7         | 3.8           | 27.8        | 25.3    | 24.4 | 46.0  | 20.7   | 21.6 |
| 99                | 322   | 22.1     | 22.3 | LP          | 16.4         | 4.0           | 28.0        | 20.5    | 20.7 | 46.0  | 25.5   | 25.3 |
| 14                | 334   | 22.0     | 22.2 | LP          | 16.6         | 4.1           | 28.0        | 20.7    | 20.9 | 46.0  | 25.3   | 25.1 |
| 18                | 382   | 22.3     | 22.5 | LP          | 17.5         | 4.6           | 27.9        | 22.5    | 22.7 | 46.0  | 23.5   | 23.3 |
| 22                | 430   | 22.1     | 22.3 | LP          | 18.3         | 5.0           | 27.8        | 23.6    | 23.8 | 46.0  | 22.4   | 22.2 |
| 23                | 526   | 22.0     | 22.1 | LP          | 19.5         | 5.4           | 27.8        | 25.1    | 25.2 | 46.0  | 20.9   | 20.8 |
| 29                | 598   | 22.1     | 21.8 | LP          | 20.0         | 5.8           | 27.5        | 26.4    | 26.1 | 46.0  | 19.6   | 19.9 |
| 36                | 682   | 21.9     | 21.6 | LP          | 21.5         | 6.3           | 27.3        | 28.4    | 28.1 | 46.0  | 17.6   | 17.9 |
| 37                | 694   | 22.3     | 21.9 | LP          | 21.7         | 6.4           | 27.1        | 29.3    | 28.9 | 46.0  | 16.7   | 17.1 |
| 65                | 1030  | 46.9     | 47.5 | HO          | 24.7         | 6.0           | 39.0        | 38.6    | 39.2 | 54.0  | 15.4   | 14.8 |
| 94                | 1378  | 44.0     | 46.1 | HO          | 26.0         | 7.2           | 38.6        | 38.6    | 40.7 | 54.0  | 15.4   | 13.3 |
| 100               | 1390  | 45.4     | 46.7 | HO          | 26.0         | 7.2           | 38.6        | 40.0    | 41.3 | 54.0  | 14.0   | 12.7 |
| 113               | 1546  | 46.6     | 46.4 | HO          | 26.8         | 2.1           | 38.5        | 37.0    | 36.8 | 54.0  | 17.0   | 17.2 |
| 125               | 1690  | 47.0     | 47.5 | HO          | 27.9         | 2.3           | 38.3        | 38.9    | 39.4 | 54.0  | 15.1   | 14.6 |

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 25dBμV  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Isuhara Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 80.99          | BB          | 41.9           | 40.3           | 6.5                     | 28.8                | 1.6                   | 5.9            | 27.1             | 25.5             | 40.0                | 12.9        | 14.5        |
| 2.  | 135.01         | BB          | 36.5           | 37.5           | 14.0                    | 28.7                | 2.3                   | 6.0            | 30.1             | 31.1             | 43.5                | 13.4        | 12.4        |
| 3.  | 236.25         | BB          | 40.5           | 42.1           | 16.5                    | 28.9                | 3.2                   | 6.0            | 37.3             | 38.9             | 46.0                | 8.7         | 7.1         |
| 4.  | 243.01         | BB          | 32.9           | 40.3           | 16.5                    | 28.9                | 3.2                   | 5.9            | 29.6             | 37.0             | 46.0                | 16.4        | 9.0         |
| 5.  | 270.01         | BB          | 32.9           | 38.7           | 17.9                    | 28.9                | 3.5                   | 5.9            | 31.3             | 37.1             | 46.0                | 14.7        | 8.9         |
| 6.  | 297.09         | BB          | 33.0           | 34.3           | 19.6                    | 28.9                | 3.8                   | 6.0            | 33.5             | 34.8             | 46.0                | 12.5        | 11.2        |
| 7.  | 405.00         | BB          | 33.8           | 32.3           | 17.9                    | 28.9                | 4.8                   | 6.0            | 33.6             | 32.1             | 46.0                | 12.4        | 13.9        |
| 8.  | 590.65         | BB          | 26.9           | 33.6           | 20.0                    | 28.9                | 5.8                   | 6.0            | 29.8             | 36.5             | 46.0                | 16.2        | 9.5         |
| 9.  | 624.38         | BB          | 30.6           | 33.5           | 20.5                    | 28.9                | 6.0                   | 5.9            | 34.1             | 37.0             | 46.0                | 11.9        | 9.0         |
| 10. | 675.01         | BB          | 30.1           | 34.0           | 21.4                    | 29.0                | 6.3                   | 5.9            | 34.7             | 38.6             | 46.0                | 11.3        | 7.4         |
| 11. | 708.96         | BB          | 24.6           | 26.4           | 21.9                    | 28.9                | 6.5                   | 6.0            | 30.1             | 31.9             | 46.0                | 15.9        | 14.1        |
| 12. | 742.52         | BB          | 24.6           | 26.7           | 22.4                    | 28.9                | 6.6                   | 6.0            | 30.7             | 32.8             | 46.0                | 15.3        | 13.2        |
| 13. | 776.26         | BB          | 24.6           | 28.4           | 22.8                    | 28.9                | 6.8                   | 6.0            | 31.3             | 35.1             | 46.0                | 14.7        | 10.9        |
| 14. | 945.00         | BB          | 23.2           | 25.0           | 25.4                    | 29.0                | 7.7                   | 5.9            | 33.2             | 35.0             | 46.0                | 12.8        | 11.0        |

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

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

# DATA OF RADIATION TEST

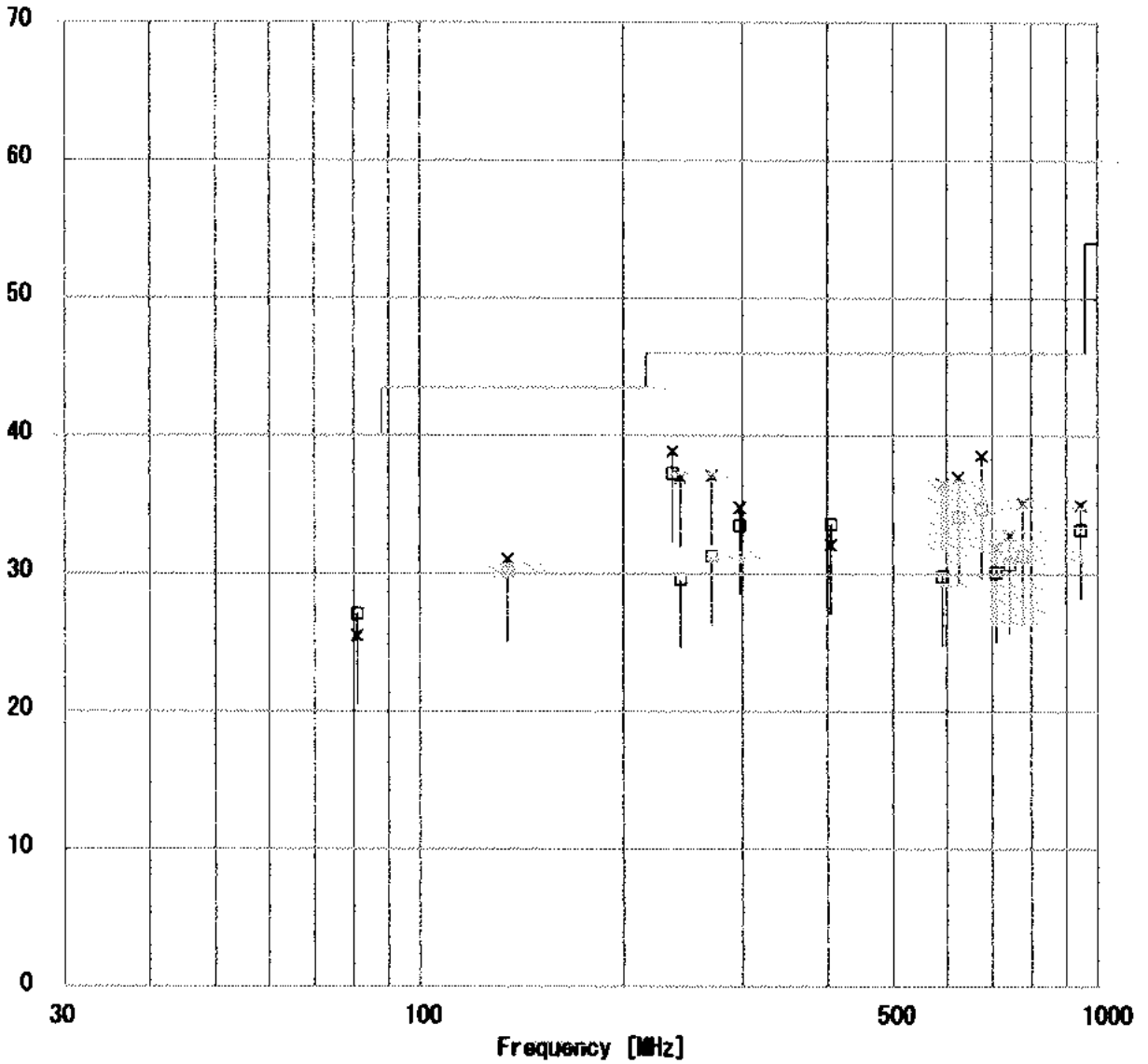
UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 25dBμV  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

Emission Level [dBμV/m]

□Horizontal ×Vertical



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 0dBmV  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Teubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING         |                 | ANT<br>FACTOR | AMP.<br>GAIN | CABLE<br>LOSS | ATTEN. | RESULT            |                   | LIMITS | MARGIN      |             |
|-----|----------------|-------------|-----------------|-----------------|---------------|--------------|---------------|--------|-------------------|-------------------|--------|-------------|-------------|
|     |                |             | HOR<br>[dB μ V] | VER<br>[dB μ V] |               |              |               |        | HOR<br>[dB μ V/m] | VER<br>[dB μ V/m] |        | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 742.52         | BB          | 24.6            | 26.7            | 22.4          | 28.9         | 6.6           | 6.0    | 30.7              | 32.8              | 46.0   | 15.3        | 13.2        |
| 2.  | 945.00         | BB          | 23.3            | 22.1            | 25.4          | 29.0         | 7.7           | 5.9    | 33.3              | 32.1              | 46.0   | 12.7        | 13.9        |

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

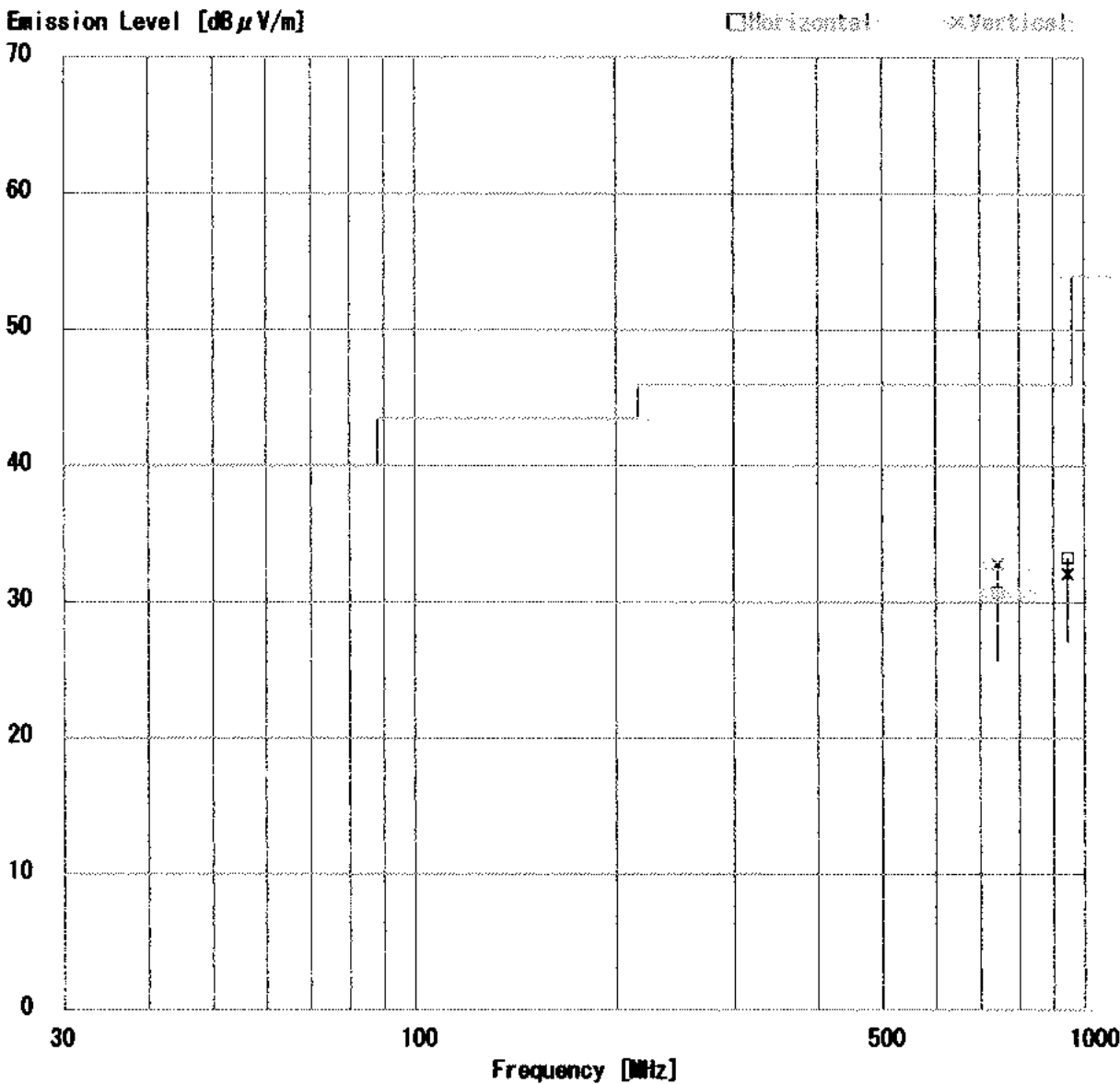
Except for the above table: adequate margin data below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : TV Reception + Rec  
Remarks : 0dBμV  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Isobasa Takayama



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 1Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Isubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 945.00         | BB          | 23.3           | 24.2           | 25.4                    | 29.0                | 7.7                   | 5.9            | 33.3             | 34.2             | 46.0                | 12.7        | 11.8        |

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

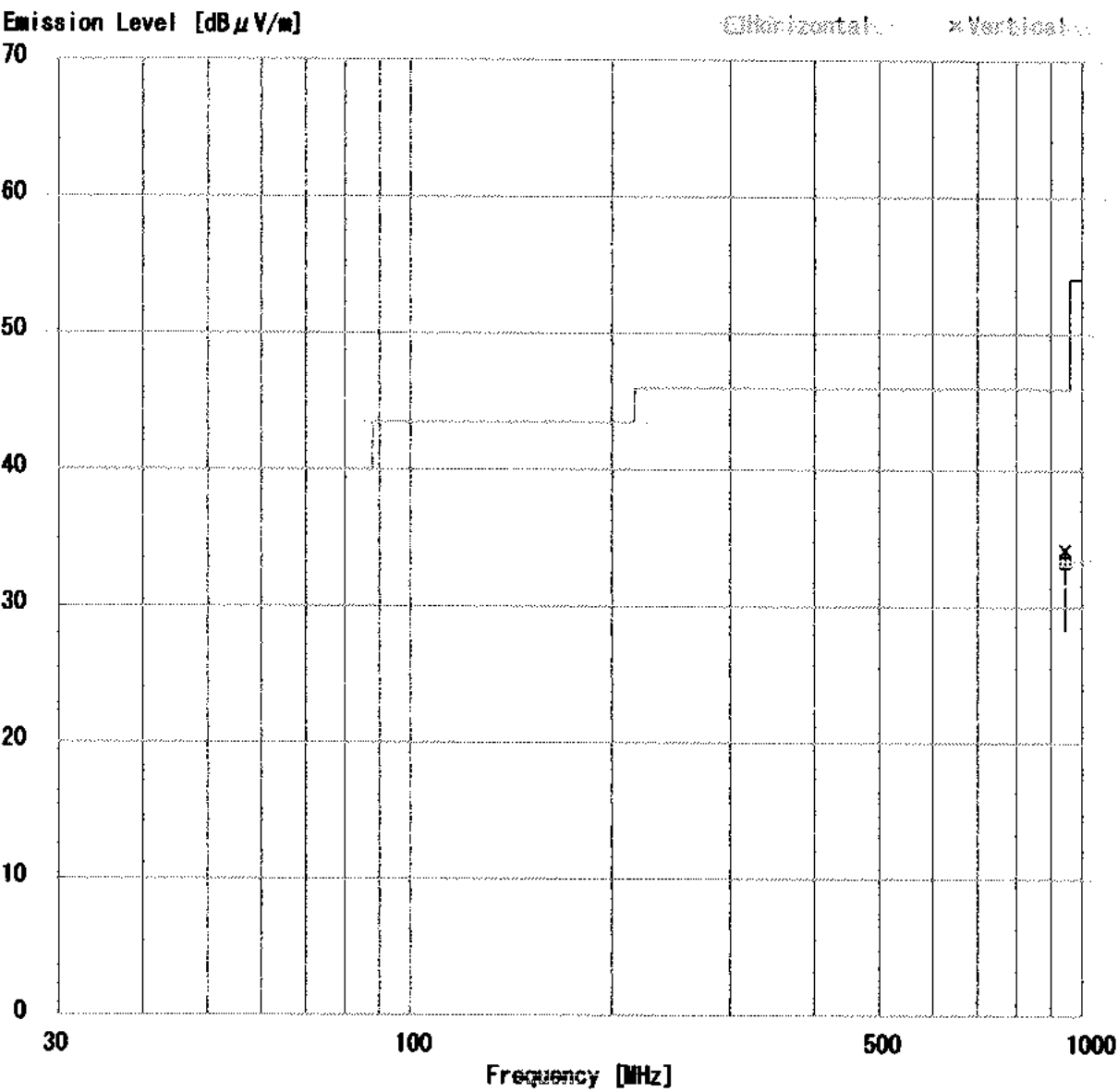
Except for the above table: adequate margin data below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 1Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer :  Tsubasa Takayama



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 1Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 945.00         | BB          | 23.1           | 24.2           | 25.4                    | 29.0                | 7.7                   | 5.9            | 33.1             | 34.2             | 46.0                | 12.9        | 11.8        |

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

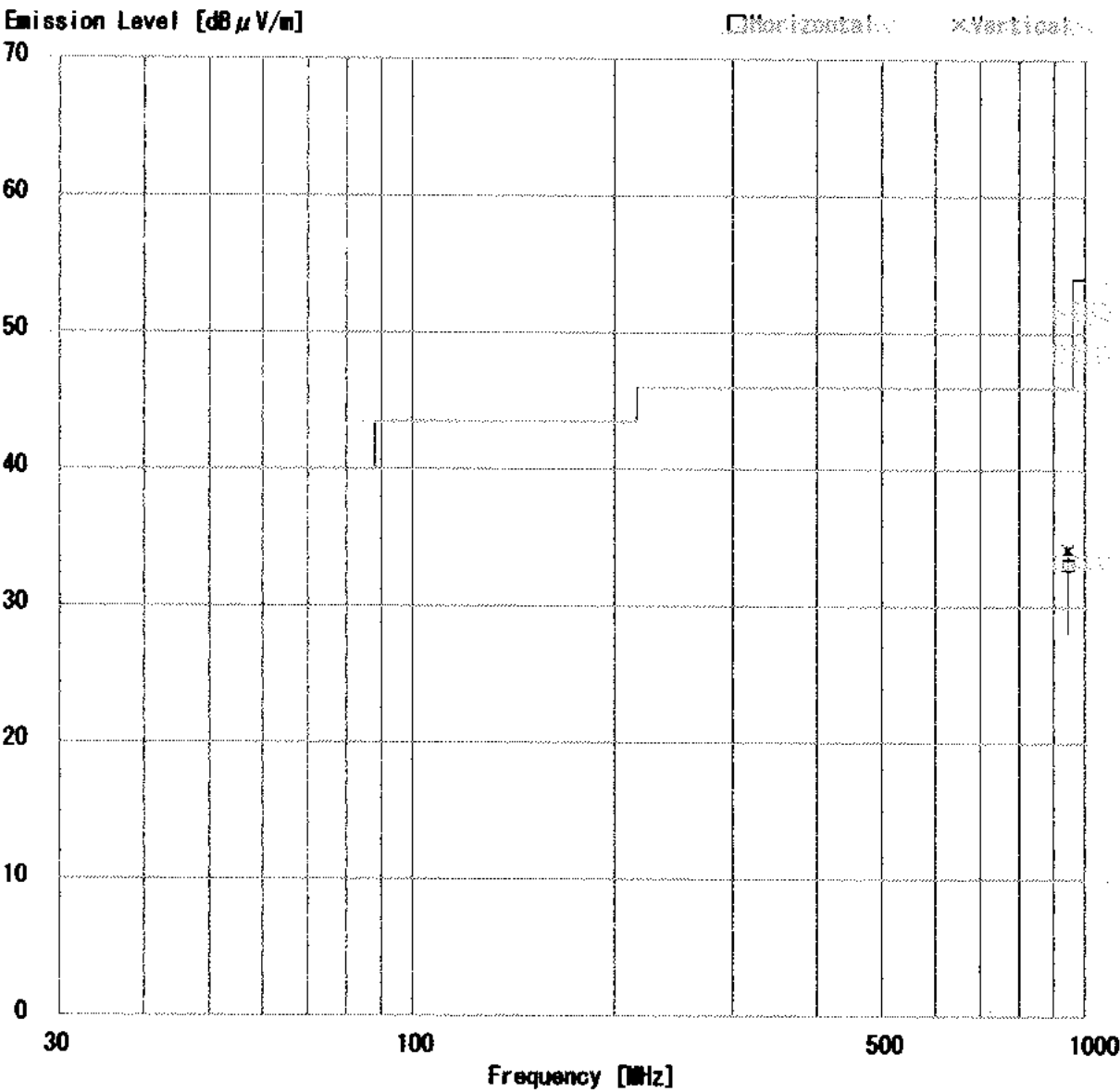
Except for the above table: adequate margin data below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 1Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tetsuya Takayama



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 5Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 81.00          | BB          | 41.3           | 45.7           | 6.5                     | 28.8                | 1.6                   | 5.9            | 26.5             | 30.9             | 40.0                | 13.5        | 9.1         |
| 2.  | 84.37          | BB          | 32.6           | 40.3           | 7.0                     | 28.6                | 1.6                   | 6.0            | 18.6             | 26.3             | 40.0                | 21.4        | 13.7        |
| 3.  | 118.12         | BB          | 40.2           | 43.7           | 13.1                    | 28.9                | 2.1                   | 6.0            | 32.5             | 36.0             | 43.5                | 11.0        | 7.5         |
| 4.  | 135.00         | BB          | 31.8           | 33.6           | 14.0                    | 28.7                | 2.2                   | 6.0            | 25.3             | 27.1             | 43.5                | 18.2        | 16.4        |
| 5.  | 185.62         | BB          | 37.6           | 29.3           | 15.9                    | 28.8                | 2.8                   | 6.0            | 33.5             | 25.2             | 43.5                | 10.0        | 18.3        |
| 6.  | 219.38         | BB          | 35.5           | 31.8           | 16.4                    | 28.8                | 3.1                   | 6.0            | 32.2             | 28.5             | 46.0                | 13.8        | 17.5        |
| 7.  | 236.25         | BB          | 41.3           | 40.5           | 16.5                    | 28.9                | 3.2                   | 6.0            | 38.1             | 37.3             | 46.0                | 7.9         | 8.7         |
| 8.  | 242.99         | BB          | 39.4           | 32.2           | 16.5                    | 28.9                | 3.2                   | 5.9            | 36.1             | 28.9             | 46.0                | 9.9         | 17.1        |
| 9.  | 270.01         | BB          | 32.5           | 25.8           | 17.9                    | 28.9                | 3.5                   | 5.9            | 30.9             | 24.2             | 46.0                | 15.1        | 21.8        |
| 10. | 297.00         | BB          | 37.7           | 30.8           | 19.6                    | 28.9                | 3.8                   | 6.0            | 38.2             | 31.3             | 46.0                | 7.8         | 14.7        |
| 11. | 405.02         | BB          | 34.6           | 32.3           | 17.9                    | 28.9                | 4.8                   | 6.0            | 34.4             | 32.1             | 46.0                | 11.6        | 13.9        |
| 12. | 590.63         | BB          | 27.0           | 32.8           | 20.0                    | 28.9                | 5.8                   | 6.0            | 29.9             | 35.7             | 46.0                | 16.1        | 10.3        |
| 13. | 624.38         | BB          | 29.0           | 30.8           | 20.5                    | 28.9                | 6.0                   | 5.9            | 32.5             | 34.3             | 46.0                | 13.5        | 11.7        |
| 14. | 675.01         | BB          | 30.0           | 32.3           | 21.4                    | 29.0                | 6.3                   | 5.9            | 34.6             | 36.9             | 46.0                | 11.4        | 9.1         |
| 15. | 708.77         | BB          | 28.0           | 31.4           | 21.9                    | 28.9                | 6.5                   | 6.0            | 33.5             | 36.9             | 46.0                | 12.5        | 9.1         |
| 16. | 742.52         | BB          | 29.0           | 32.8           | 22.4                    | 28.9                | 6.6                   | 6.0            | 35.1             | 38.9             | 46.0                | 10.9        | 7.1         |
| 17. | 776.26         | BB          | 31.5           | 29.9           | 22.8                    | 28.9                | 6.8                   | 6.0            | 38.2             | 36.6             | 46.0                | 7.8         | 9.4         |
| 18. | 945.00         | BB          | 23.1           | 22.3           | 25.4                    | 29.0                | 7.7                   | 5.9            | 33.1             | 32.3             | 46.0                | 12.9        | 13.7        |
| 19. | 978.76         | BB          | 25.0           | 28.0           | 26.6                    | 29.1                | 7.9                   | 5.9            | 36.3             | 39.3             | 54.0                | 17.7        | 14.7        |

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

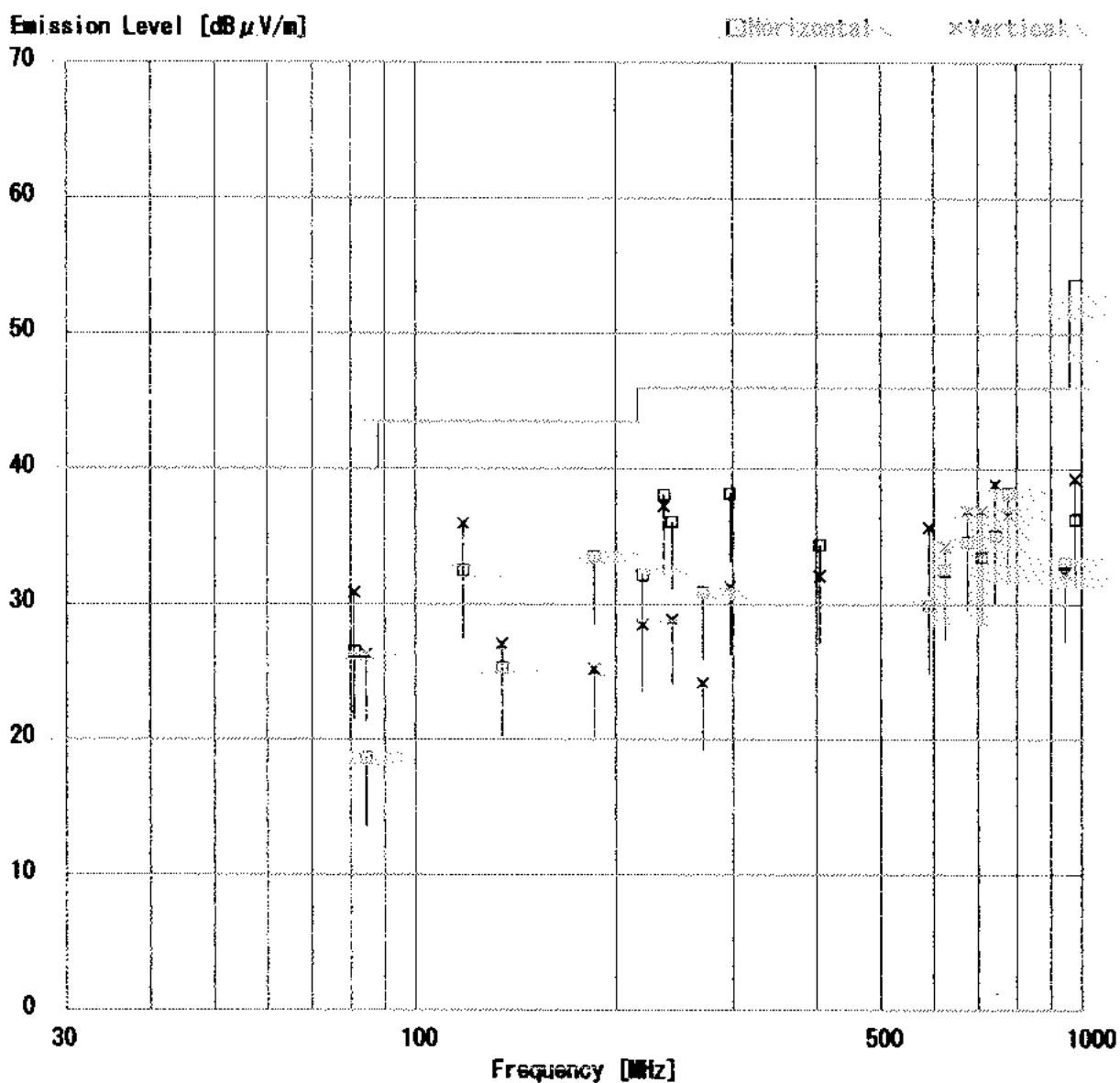
Except for the above table: adequate margin data below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 1 + Rec  
Remarks : 5Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 5Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 81.00          | BB          | 40.2           | 46.2           | 6.5                     | 28.8                | 1.6                   | 5.9            | 25.4             | 31.4             | 40.0                | 14.6        | 8.6         |
| 2.  | 84.37          | BB          | 40.6           | 43.0           | 7.0                     | 28.6                | 1.6                   | 6.0            | 26.6             | 29.0             | 40.0                | 13.4        | 11.0        |
| 3.  | 118.12         | BB          | 38.3           | 42.5           | 13.1                    | 28.9                | 2.1                   | 6.0            | 30.6             | 34.8             | 43.5                | 12.9        | 8.7         |
| 4.  | 135.00         | BB          | 31.2           | 34.9           | 14.0                    | 28.7                | 2.2                   | 6.0            | 24.7             | 28.4             | 43.5                | 18.8        | 15.1        |
| 5.  | 185.62         | BB          | 37.4           | 30.2           | 15.9                    | 28.8                | 2.8                   | 6.0            | 33.3             | 26.1             | 43.5                | 10.2        | 17.4        |
| 6.  | 219.38         | BB          | 35.1           | 28.7           | 16.4                    | 28.8                | 3.1                   | 6.0            | 31.8             | 25.4             | 46.0                | 14.2        | 20.6        |
| 7.  | 236.25         | BB          | 41.6           | 41.0           | 16.5                    | 28.9                | 3.2                   | 6.0            | 38.4             | 37.8             | 46.0                | 7.6         | 8.2         |
| 8.  | 242.99         | BB          | 39.1           | 32.4           | 16.5                    | 28.9                | 3.2                   | 5.9            | 35.8             | 29.1             | 46.0                | 10.2        | 16.9        |
| 9.  | 270.01         | BB          | 33.2           | 31.0           | 17.9                    | 28.9                | 3.5                   | 5.9            | 31.6             | 29.4             | 46.0                | 14.4        | 16.6        |
| 10. | 297.00         | BB          | 38.0           | 33.1           | 19.6                    | 28.9                | 3.8                   | 6.0            | 38.5             | 33.6             | 46.0                | 7.5         | 12.4        |
| 11. | 405.02         | BB          | 32.9           | 32.5           | 17.9                    | 28.9                | 4.8                   | 6.0            | 32.7             | 32.3             | 46.0                | 13.3        | 13.7        |
| 12. | 590.63         | BB          | 28.3           | 32.2           | 20.0                    | 28.9                | 5.8                   | 6.0            | 31.2             | 35.1             | 46.0                | 14.8        | 10.9        |
| 13. | 624.38         | BB          | 27.8           | 31.8           | 20.5                    | 28.9                | 6.0                   | 5.9            | 31.3             | 35.3             | 46.0                | 14.7        | 10.7        |
| 14. | 675.01         | BB          | 30.7           | 32.5           | 21.4                    | 29.0                | 6.3                   | 5.9            | 35.3             | 37.1             | 46.0                | 10.7        | 8.9         |
| 15. | 708.77         | BB          | 30.9           | 32.6           | 21.9                    | 28.9                | 6.5                   | 6.0            | 36.4             | 38.1             | 46.0                | 9.6         | 7.9         |
| 16. | 742.52         | BB          | 24.8           | 28.2           | 22.4                    | 28.9                | 6.6                   | 6.0            | 30.9             | 34.3             | 46.0                | 15.1        | 11.7        |
| 17. | 776.26         | BB          | 24.3           | 28.8           | 22.8                    | 28.9                | 6.8                   | 6.0            | 31.0             | 35.5             | 46.0                | 15.0        | 10.5        |
| 18. | 945.00         | BB          | 22.9           | 24.2           | 25.4                    | 29.0                | 7.7                   | 5.9            | 32.9             | 34.2             | 46.0                | 13.1        | 11.8        |
| 19. | 978.76         | BB          | 25.1           | 27.9           | 26.6                    | 29.1                | 7.9                   | 5.9            | 36.4             | 39.2             | 54.0                | 17.6        | 14.8        |

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

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

# DATA OF RADIATION TEST

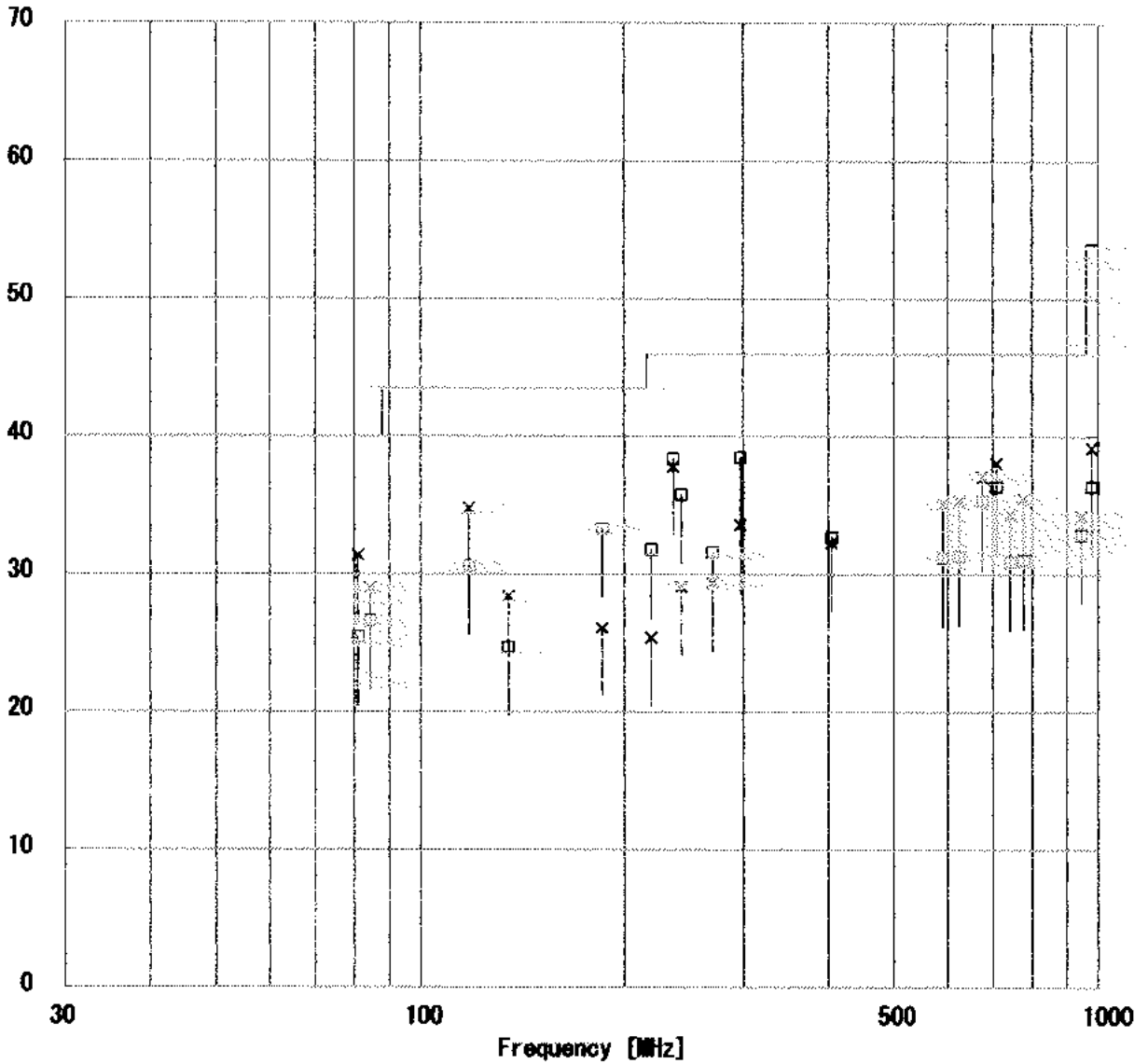
UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : AV Input 2 + Rec  
Remarks : 5Vp-p  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

Emission Level [dB $\mu$ V/m]

□ Horizontal × Vertical



# DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.3 OPEN TEST SITE

Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
 Kind of Equipment : DVD Player and VCR  
 Model No. : PV-D744S  
 Serial No. : -  
 Power : AC120V/60Hz  
 Mode : VCR Playback  
 Remarks : -  
 Date : 8/5/2003  
 Test Distance : 3 m  
 Temperature : 25 °C  
 Humidity : 65 %  
 Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 30.10          | BB          | 25.9           | 30.2           | 18.8                    | 28.9                | 1.1                   | 5.9            | 22.8             | 27.1             | 40.0                | 17.2        | 12.9        |
| 2.  | 81.00          | BB          | 39.6           | 43.9           | 6.5                     | 28.8                | 1.6                   | 5.9            | 24.8             | 29.1             | 40.0                | 15.2        | 10.9        |
| 3.  | 84.37          | BB          | 36.2           | 43.7           | 7.0                     | 28.6                | 1.6                   | 6.0            | 22.2             | 29.7             | 40.0                | 17.8        | 10.3        |
| 4.  | 118.12         | BB          | 34.0           | 40.7           | 13.1                    | 28.9                | 2.1                   | 6.0            | 26.3             | 33.0             | 43.5                | 17.2        | 10.5        |
| 5.  | 134.99         | BB          | 38.6           | 41.0           | 14.0                    | 28.7                | 2.2                   | 6.0            | 32.1             | 34.5             | 43.5                | 11.4        | 9.0         |
| 6.  | 185.61         | BB          | 30.9           | 29.6           | 15.9                    | 28.8                | 2.8                   | 6.0            | 26.8             | 25.5             | 43.5                | 16.7        | 18.0        |
| 7.  | 219.37         | BB          | 35.8           | 33.6           | 16.4                    | 28.8                | 3.1                   | 6.0            | 32.5             | 30.3             | 46.0                | 13.5        | 15.7        |
| 8.  | 236.25         | BB          | 39.6           | 34.9           | 16.5                    | 28.9                | 3.2                   | 6.0            | 36.4             | 31.7             | 46.0                | 9.6         | 14.3        |
| 9.  | 243.00         | BB          | 42.1           | 35.4           | 16.5                    | 28.9                | 3.2                   | 5.9            | 38.8             | 32.1             | 46.0                | 7.2         | 13.9        |
| 10. | 270.01         | BB          | 35.8           | 28.1           | 17.9                    | 28.9                | 3.5                   | 5.9            | 34.2             | 26.5             | 46.0                | 11.8        | 19.5        |
| 11. | 297.00         | BB          | 36.8           | 30.8           | 19.6                    | 28.9                | 3.8                   | 6.0            | 37.3             | 31.3             | 46.0                | 8.7         | 14.7        |
| 12. | 405.03         | BB          | 36.6           | 31.4           | 17.9                    | 28.9                | 4.8                   | 6.0            | 36.4             | 31.2             | 46.0                | 9.6         | 14.8        |
| 13. | 590.63         | BB          | 26.5           | 32.3           | 20.0                    | 28.9                | 5.8                   | 6.0            | 29.4             | 35.2             | 46.0                | 16.6        | 10.8        |
| 14. | 624.38         | BB          | 29.0           | 32.9           | 20.5                    | 28.9                | 6.0                   | 5.9            | 32.5             | 36.4             | 46.0                | 13.5        | 9.6         |
| 15. | 675.01         | BB          | 25.5           | 27.1           | 21.4                    | 29.0                | 6.3                   | 5.9            | 30.1             | 31.7             | 46.0                | 15.9        | 14.3        |
| 16. | 708.77         | BB          | 31.6           | 33.5           | 21.9                    | 28.9                | 6.5                   | 6.0            | 37.1             | 39.0             | 46.0                | 8.9         | 7.0         |
| 17. | 742.50         | BB          | 24.3           | 27.2           | 22.4                    | 28.9                | 6.6                   | 6.0            | 30.4             | 33.3             | 46.0                | 15.6        | 12.7        |
| 18. | 776.26         | BB          | 29.6           | 30.8           | 22.8                    | 28.9                | 6.8                   | 6.0            | 36.3             | 37.5             | 46.0                | 9.7         | 8.5         |
| 19. | 945.00         | BB          | 22.8           | 23.7           | 25.4                    | 29.0                | 7.7                   | 5.9            | 32.8             | 33.7             | 46.0                | 13.2        | 12.3        |
| 20. | 978.76         | BB          | 25.9           | 27.7           | 26.6                    | 29.1                | 7.9                   | 5.9            | 37.2             | 39.0             | 54.0                | 16.8        | 15.0        |

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

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

# DATA OF RADIATION TEST

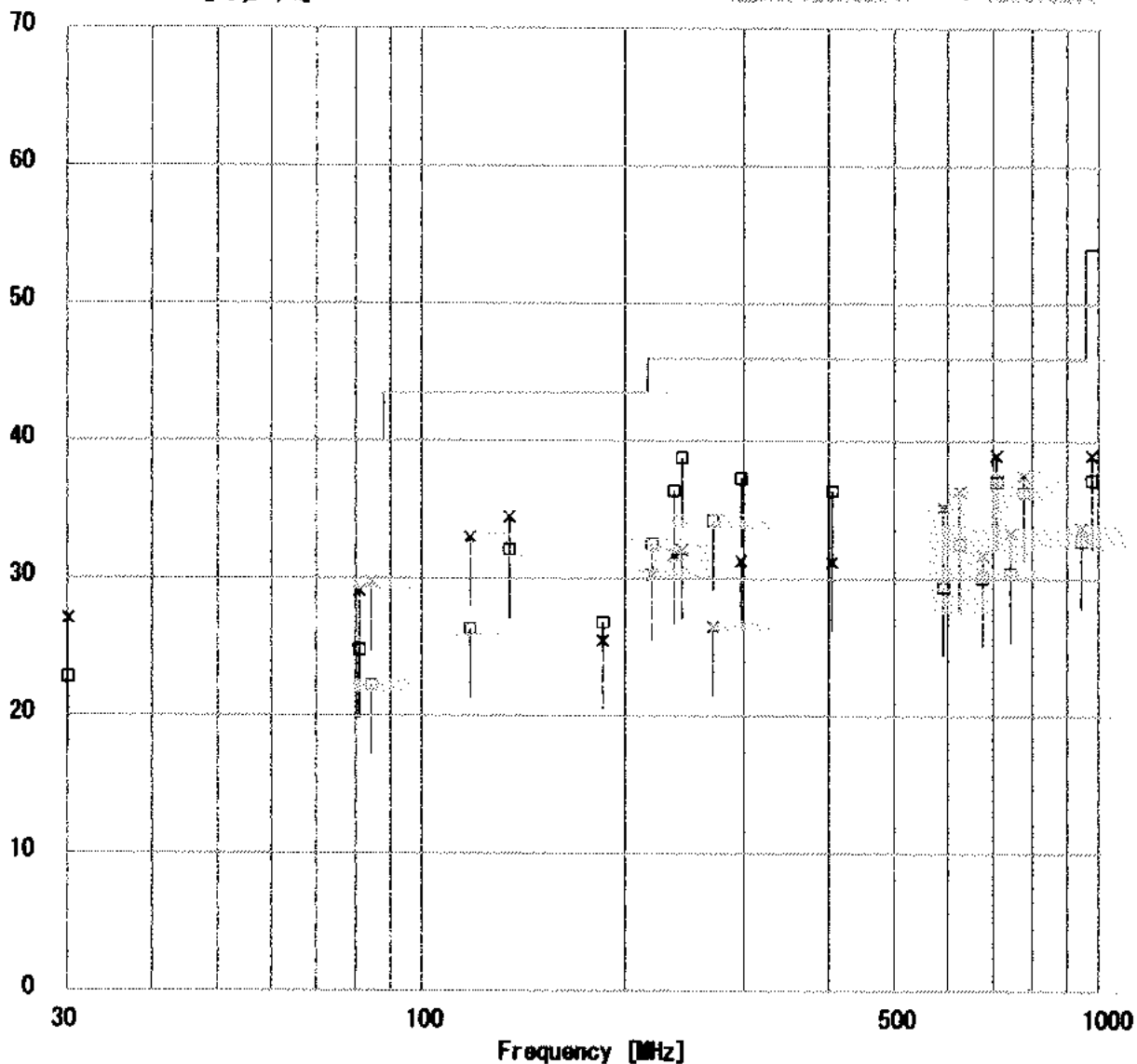
UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : -  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tetsuya Takayama

Emission Level [dB  $\mu$ V/m]

[□]Horizontal [x]Vertical



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : Test Channel #3  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 61.25          | BB          | 30.3           | 29.6           | 8.2                     | 28.7                | 1.5                   | 5.9            | 17.2             | 16.5             | 40.0                | 22.8        | 23.5        |
| 2.  | 65.75          | BB          | 28.4           | 29.7           | 7.4                     | 28.9                | 1.5                   | 6.0            | 14.4             | 15.7             | 40.0                | 25.6        | 24.3        |
| 3.  | 122.50         | BB          | 26.3           | 24.6           | 13.5                    | 28.8                | 2.1                   | 6.0            | 19.1             | 17.4             | 43.5                | 24.4        | 26.1        |
| 4.  | 245.00         | BB          | 23.6           | 24.4           | 16.6                    | 28.9                | 3.2                   | 5.9            | 20.4             | 21.2             | 46.0                | 25.6        | 24.8        |

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

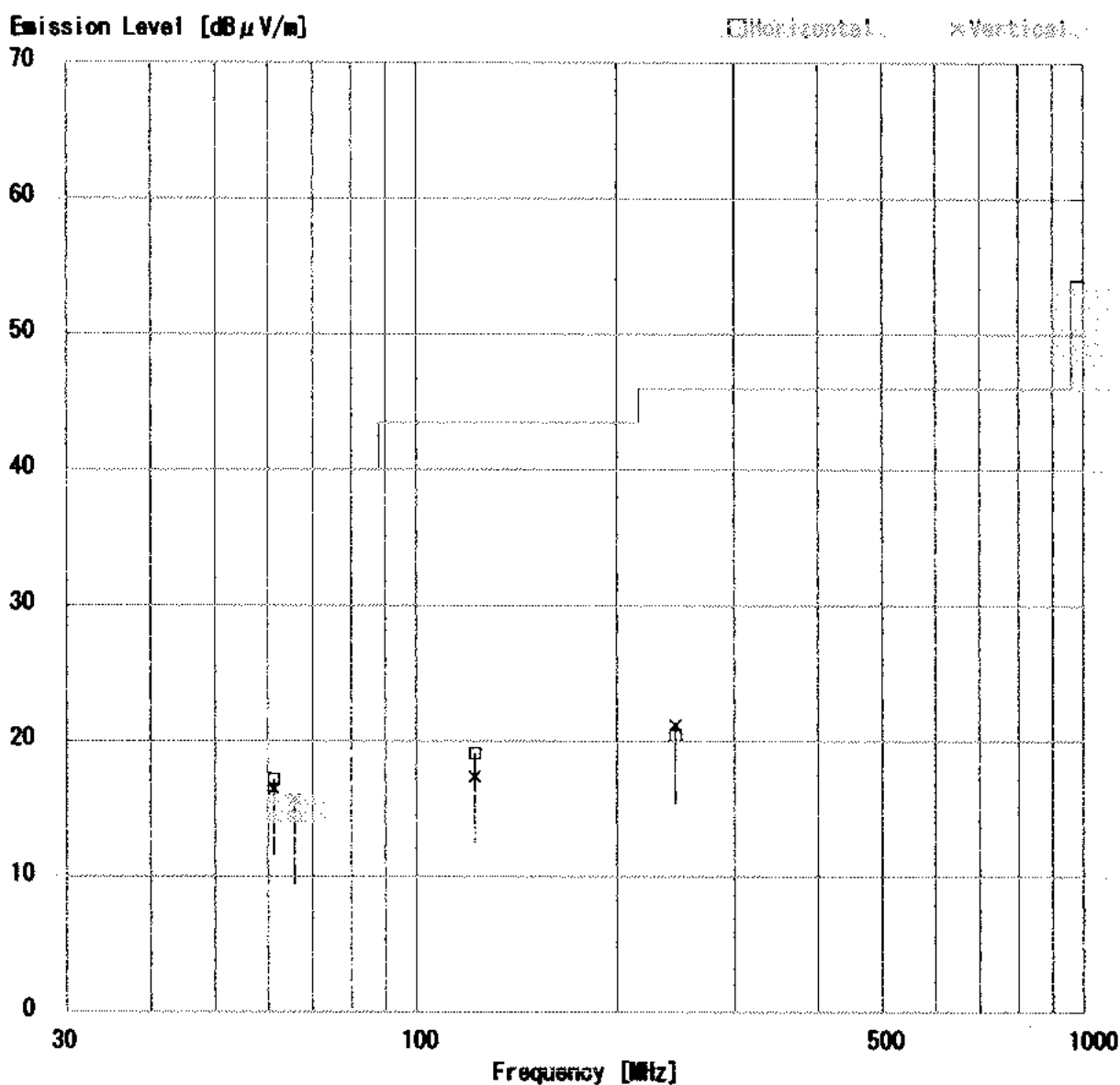
Except for the above table: adequate margin data below the limits.  
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YM-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : Test Channel #3  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : Test Channel #4  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tetsuya Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 67.25          | BB          | 29.6           | 30.1           | 7.1                     | 28.8                | 1.6                   | 6.0            | 15.5             | 16.0             | 40.0                | 24.5        | 24.0        |
| 2.  | 71.75          | BB          | 28.6           | 29.3           | 6.6                     | 28.7                | 1.6                   | 6.0            | 14.1             | 14.8             | 40.0                | 25.9        | 25.2        |
| 3.  | 134.50         | BB          | 25.3           | 26.3           | 14.0                    | 28.7                | 2.2                   | 6.0            | 18.8             | 19.8             | 43.5                | 24.7        | 23.7        |
| 4.  | 201.75         | BB          | 23.6           | 24.4           | 16.2                    | 28.8                | 2.9                   | 6.0            | 19.9             | 20.7             | 43.5                | 23.6        | 22.8        |

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

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

# DATA OF RADIATION TEST

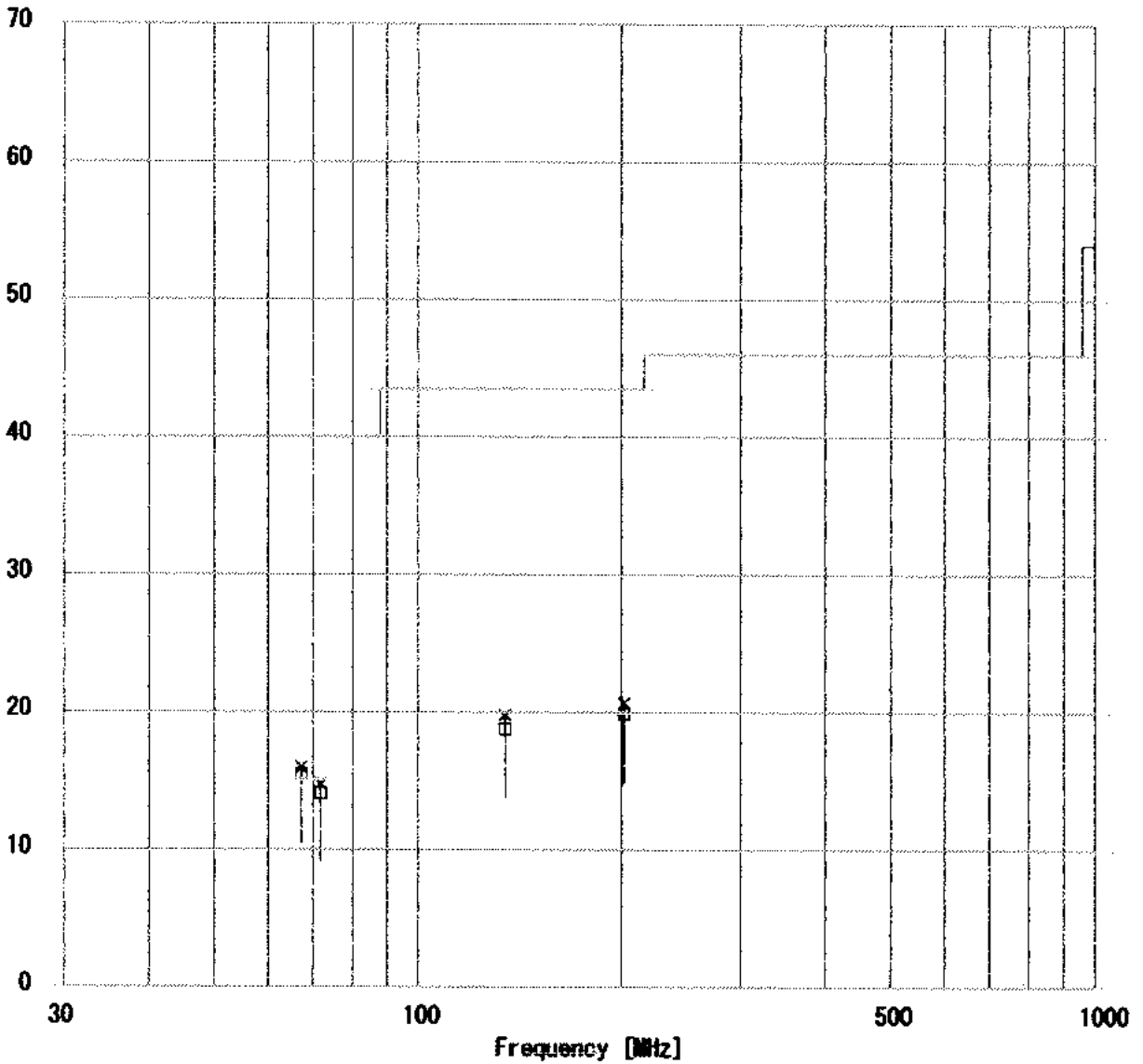
UL Apex Co., Ltd.  
YOKOWA No.3 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : VCR Playback  
Remarks : Test Channel #4  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Isobasa Takayama

Emission Level [dB $\mu$ V/m]

□ Horizontal \* Vertical



# DATA OF RADIATION TEST

UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer Tsubasa Takayama

| No. | FREQ.<br>[MHz] | ANT<br>TYPE | READING        |                | ANT<br>FACTOR<br>[dB/m] | AMP<br>GAIN<br>[dB] | CABLE<br>LOSS<br>[dB] | ATTEN.<br>[dB] | RESULT           |                  | LIMITS<br>[dB μV/m] | MARGIN      |             |
|-----|----------------|-------------|----------------|----------------|-------------------------|---------------------|-----------------------|----------------|------------------|------------------|---------------------|-------------|-------------|
|     |                |             | HOR<br>[dB μV] | VER<br>[dB μV] |                         |                     |                       |                | HOR<br>[dB μV/m] | VER<br>[dB μV/m] |                     | HOR<br>[dB] | VER<br>[dB] |
| 1.  | 30.50          | BB          | 25.0           | 32.2           | 18.6                    | 28.9                | 1.1                   | 5.9            | 21.7             | 28.9             | 40.0                | 18.3        | 11.1        |
| 2.  | 81.02          | BB          | 35.5           | 43.2           | 6.5                     | 28.8                | 1.6                   | 5.9            | 20.7             | 28.4             | 40.0                | 19.3        | 11.6        |
| 3.  | 118.15         | BB          | 25.2           | 34.5           | 13.1                    | 28.9                | 2.1                   | 6.0            | 17.5             | 26.8             | 43.5                | 26.0        | 16.7        |
| 4.  | 135.00         | BB          | 29.2           | 42.9           | 14.0                    | 28.7                | 2.2                   | 6.0            | 22.7             | 36.4             | 43.5                | 20.8        | 7.1         |
| 5.  | 242.99         | BB          | 37.0           | 28.3           | 16.5                    | 28.9                | 3.2                   | 5.9            | 33.7             | 25.0             | 46.0                | 12.3        | 21.0        |
| 6.  | 250.00         | BB          | 29.9           | 33.0           | 16.6                    | 28.9                | 3.3                   | 5.9            | 26.8             | 29.9             | 46.0                | 19.2        | 16.1        |
| 7.  | 270.00         | BB          | 37.0           | 35.1           | 17.9                    | 28.9                | 3.4                   | 5.9            | 35.3             | 33.4             | 46.0                | 10.7        | 12.6        |
| 8.  | 405.01         | BB          | 34.4           | 33.0           | 17.9                    | 28.9                | 4.8                   | 6.0            | 34.2             | 32.8             | 46.0                | 11.8        | 13.2        |
| 9.  | 607.49         | BB          | 28.3           | 33.9           | 20.2                    | 28.9                | 5.9                   | 6.0            | 31.5             | 37.1             | 46.0                | 14.5        | 8.9         |
| 10. | 624.17         | BB          | 26.4           | 32.1           | 20.5                    | 28.9                | 6.0                   | 5.9            | 29.9             | 35.6             | 46.0                | 16.1        | 10.4        |
| 11. | 641.26         | BB          | 27.5           | 31.6           | 20.8                    | 29.0                | 6.1                   | 5.9            | 31.3             | 35.4             | 46.0                | 14.7        | 10.6        |
| 12. | 945.00         | BB          | 22.8           | 22.7           | 25.4                    | 29.0                | 7.7                   | 5.9            | 32.8             | 32.7             | 46.0                | 13.2        | 13.3        |

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

# DATA OF RADIATION TEST

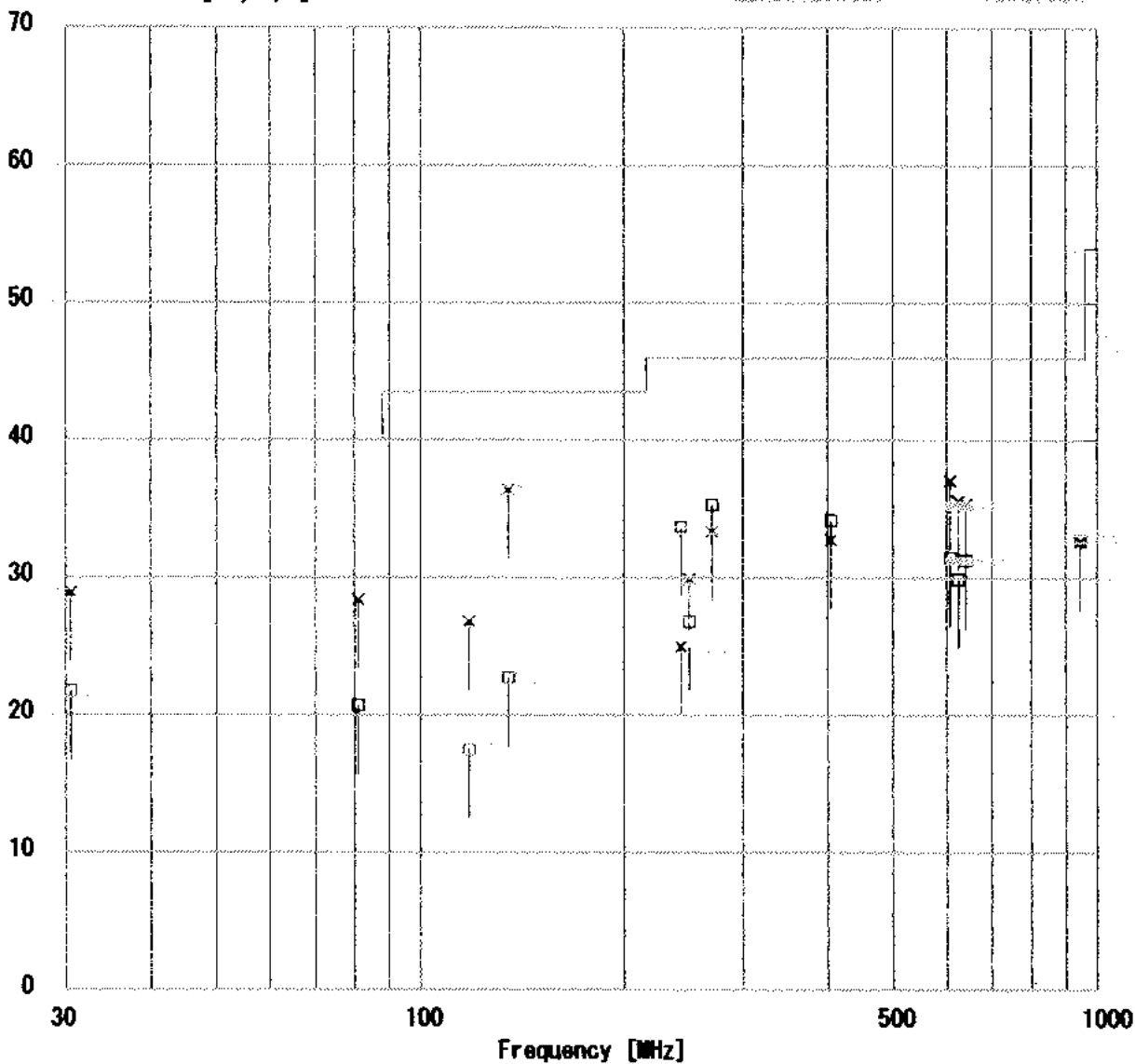
UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-0744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

Emission Level [dB $\mu$ V/m]

□ Horizontal × Vertical



# DATA OF RADIATION TEST

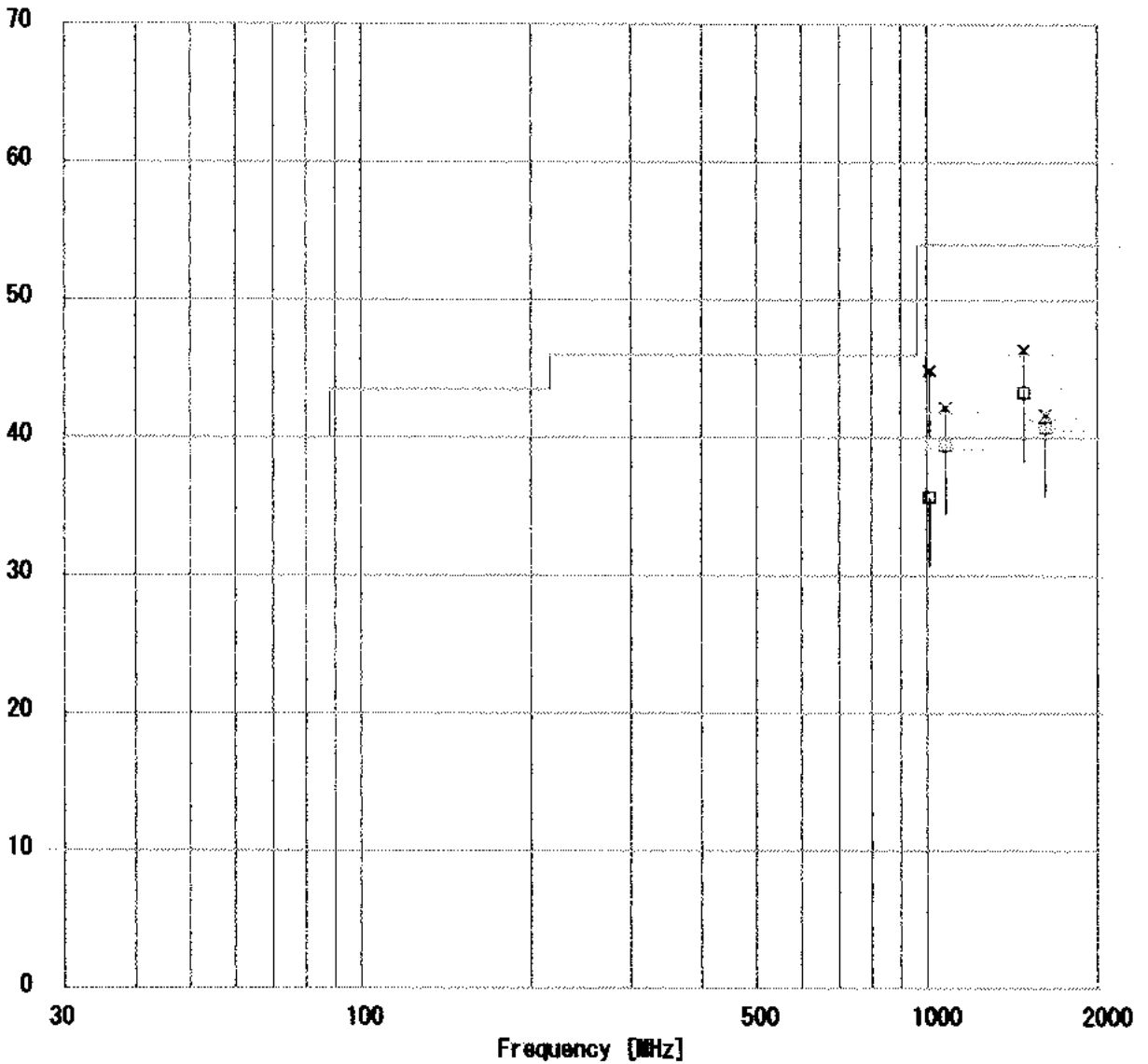
UL Apex Co., Ltd.  
YOKOWA No.1 OPEN TEST SITE  
Report No. : 23LE0123-YW-1

Applicant : Orion Electric Co., Ltd.  
Kind of Equipment : DVD Player and VCR  
Model No. : PV-D744S  
Serial No. : -  
Power : AC120V/60Hz  
Mode : DVD Play  
Remarks : -  
Date : 8/5/2003  
Test Distance : 3 m  
Temperature : 25 °C  
Humidity : 65 %  
Regulation : FCC Part15B CLASS B

Engineer ~~Takayama~~

Emission Level [dB $\mu$ V/m]

☐ Horizontal ☒ Vertical



# DATA OF ANTENNA TERMINAL TEST

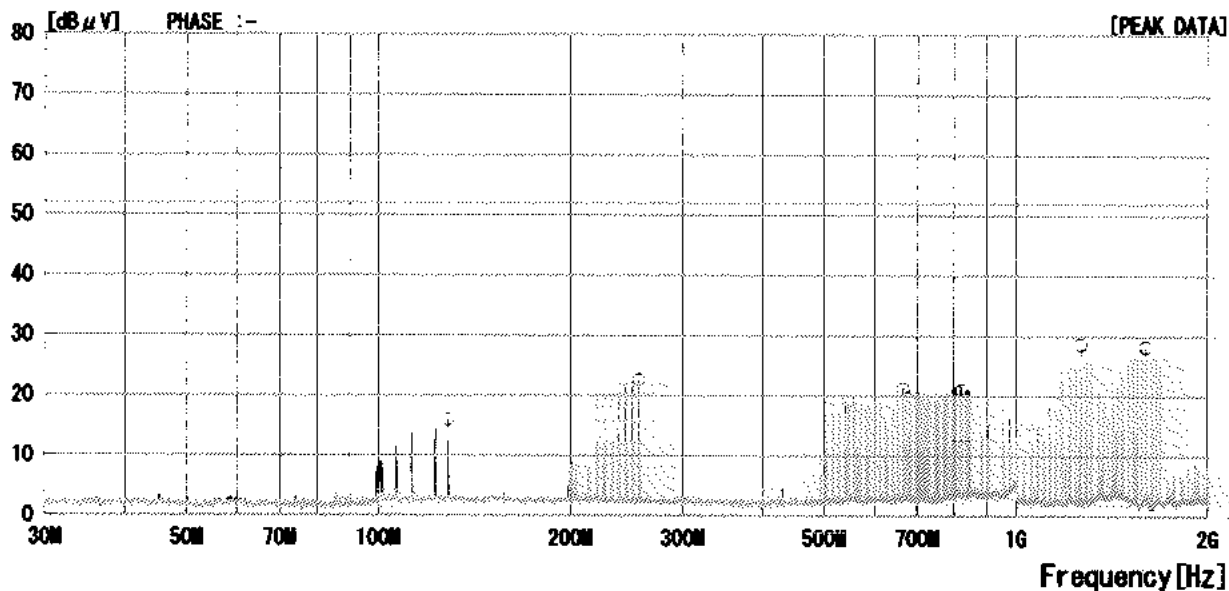
UL Apex Co., Ltd.  
Date : 2003/08/01 22:04:53

COMPANY : Orion Electric Co., Ltd.  
EQUIPMENT : DVD/VCR  
MODEL : PY-D744S  
OPERATION MODE : TV Tuning mode

REPORT NO : 23LE0123-YW-1  
DATE : August 1, 2003  
REGULATION : FCC Part15 Subpart B  
TEST ENGINEER : Tsubasa Takayama

TEMP./HUMID. : 24°C/61%

LIMIT : FCC 15B ANTENNA TERMINAL



| NO | FREQ<br>[MHz] | READING(PK)<br>[dBμV] | C.F<br>[dB] | RESULT<br>[dBμV] | LIMIT        |              | MARGIN     |            | PHASE |
|----|---------------|-----------------------|-------------|------------------|--------------|--------------|------------|------------|-------|
|    |               |                       |             |                  | QP<br>[dBμV] | AV<br>[dBμV] | QP<br>[dB] | AV<br>[dB] |       |
| 1  | 128.57100     | 48.2                  | -32.2       | 16.0             | 52.0         | —            | 36.0       | —          | -     |
| 2  | 258.00299     | 54.4                  | -31.8       | 22.6             | 52.0         | —            | 29.4       | —          | -     |
| 3  | 545.71802     | 51.0                  | -31.8       | 19.2             | 52.0         | —            | 32.8       | —          | -     |
| 4  | 685.14301     | 53.0                  | -31.7       | 21.3             | 52.0         | —            | 30.7       | —          | -     |
| 5  | 822.14801     | 52.6                  | -31.6       | 21.0             | 52.0         | —            | 31.0       | —          | -     |
| 6  | 1262.12598    | 68.6                  | -40.0       | 28.6             | 52.0         | —            | 23.4       | —          | -     |
| 7  | 1597.84998    | 67.7                  | -39.5       | 28.2             | 52.0         | —            | 23.8       | —          | -     |

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

# DATA OF ANTENNA TERMINAL TEST

UL Apex Co., Ltd.  
Date : 2003/08/01 22:14:28

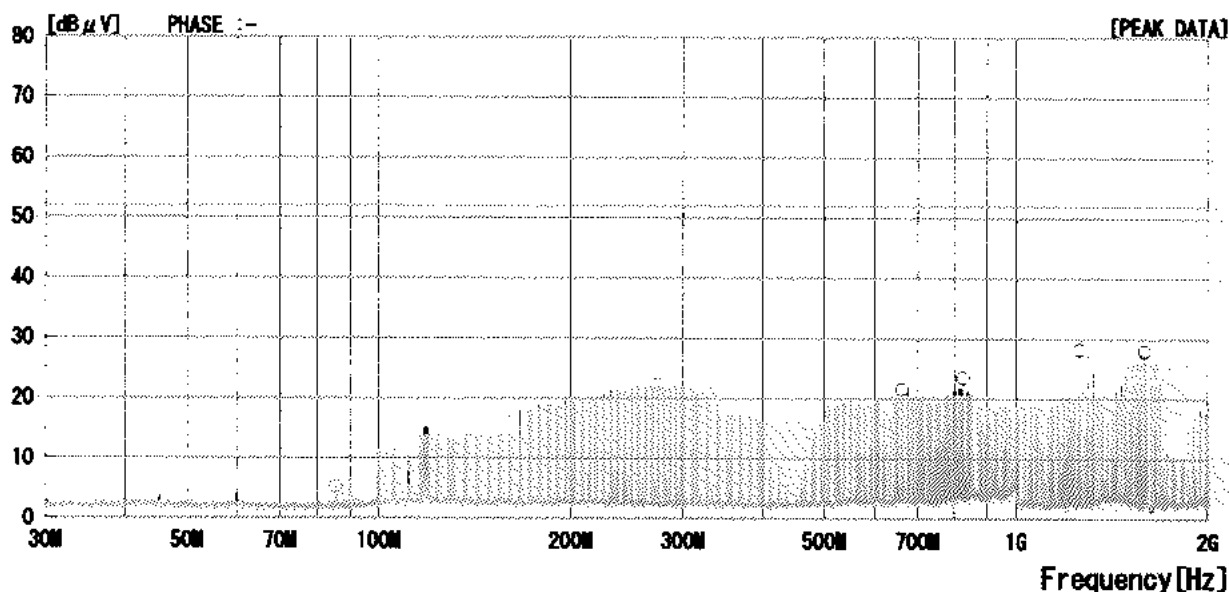
COMPANY : Orion Electric Co., Ltd.  
EQUIPMENT : DVD/VCR  
MODEL : PV-D744S  
OPERATION MODE : CATV Tuning mode

REPORT NO : 23LE0123-YW-1  
DATE : August 1, 2003  
REGULATION : FCC Part15 Subpart B  
TEST ENGINEER : Tetsuya Takayama

TEMP./HUMID. : 24°C/61%

LIMIT : FCC 15B ANTENNA TERMINAL

*[Signature]*



| NO | FREQ<br>[MHz] | READING (PK)<br>[dBμV] | C.F<br>[dB] | RESULT<br>[dBμV] | LIMIT        |              | MARGIN     |            | PHASE |
|----|---------------|------------------------|-------------|------------------|--------------|--------------|------------|------------|-------|
|    |               |                        |             |                  | QP<br>[dBμV] | AV<br>[dBμV] | QP<br>[dB] | AV<br>[dB] |       |
| 1  | 85.69900      | 37.4                   | -32.1       | 5.3              | 52.0         | —            | 46.7       | —          | -     |
| 2  | 274.00201     | 54.4                   | -32.0       | 22.4             | 52.0         | —            | 29.6       | —          | -     |
| 3  | 661.71503     | 53.4                   | -31.8       | 21.6             | 52.0         | —            | 30.4       | —          | -     |
| 4  | 825.14801     | 55.2                   | -31.7       | 23.5             | 52.0         | —            | 28.5       | —          | -     |
| 5  | 1254.98303    | 68.2                   | -40.0       | 28.2             | 52.0         | —            | 23.8       | —          | -     |
| 6  | 1591.42200    | 67.5                   | -39.5       | 28.0             | 52.0         | —            | 24.0       | —          | -     |

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

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : TV Reception + Rec(0dBmV)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29, 2003  
Temp. / Humid. : 23°C / 65%

Engineer

Takashi Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 86.5                    | 22.2                         | 64.3           | 69.5             | 5.2            |
| 4   | 67.25              | 85.7                    | 22.1                         | 63.6           | 69.5             | 5.9            |

### Audio signal

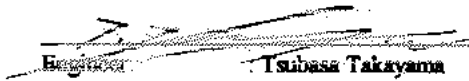
| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.3                    | 22.1                         | 51.2           | 56.5             | 5.3            |
|     | 65.75              | 72.1                    | 22.1                         | 50.0           | 56.5             | 6.5            |
| 4   | 62.75              | 72.6                    | 22.2                         | 50.4           | 56.5             | 6.1            |
|     | 71.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : TV Reception + Rec (25dBmV)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29 , 2003  
Temp. / Humid. : 23°C / 65%

  
Tsubasa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.9                    | 22.2                         | 65.7           | 69.5             | 3.8            |
| 4   | 67.25              | 87.5                    | 22.1                         | 65.4           | 69.5             | 4.1            |

### Audio signal

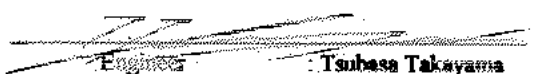
| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.5                    | 22.1                         | 51.4           | 56.5             | 5.1            |
|     | 65.75              | 72.5                    | 22.1                         | 50.4           | 56.5             | 6.1            |
| 4   | 62.75              | 72.6                    | 22.2                         | 50.4           | 56.5             | 6.1            |
|     | 71.75              | 71.4                    | 22.1                         | 49.3           | 56.5             | 7.2            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : AV Input 1 + Rec (1V p-p)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29, 2003  
Temp. / Humid. : 23°C / 65%

  
Engineer : Tsubasa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.9                    | 22.2                         | 65.7           | 69.5             | 3.8            |
| 4   | 67.25              | 85.3                    | 22.1                         | 63.2           | 69.5             | 6.3            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.4                    | 22.1                         | 51.3           | 56.5             | 5.2            |
|     | 65.75              | 72.4                    | 22.1                         | 50.3           | 56.5             | 6.2            |
| 4   | 62.75              | 72.4                    | 22.2                         | 50.2           | 56.5             | 6.3            |
|     | 71.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : AV Input 1 + Rec (5V p-p)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29 , 2003  
Temp. / Humid. : 23°C / 65%

  
Engineer : Tsubasa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.5                    | 22.2                         | 65.3           | 69.5             | 4.2            |
| 4   | 67.25              | 85.7                    | 22.1                         | 63.6           | 69.5             | 5.9            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.3                    | 22.1                         | 51.2           | 56.5             | 5.3            |
|     | 65.75              | 72.2                    | 22.1                         | 50.1           | 56.5             | 6.4            |
| 4   | 62.75              | 72.5                    | 22.2                         | 50.3           | 56.5             | 6.2            |
|     | 71.75              | 71.4                    | 22.1                         | 49.3           | 56.5             | 7.2            |

## RF output level

UL Apex Co., Ltd.  
Yokohama EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : AV Input 2 + Rec (1V p-p)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29 , 2003  
Temp. / Humid. : 23°C / 65%

Engineer:  Tetsuya Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.9                    | 22.2                         | 65.7           | 69.5             | 3.8            |
| 4   | 67.25              | 85.7                    | 22.1                         | 63.6           | 69.5             | 5.9            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.2                    | 22.1                         | 51.1           | 56.5             | 5.4            |
|     | 65.75              | 71.9                    | 22.1                         | 49.8           | 56.5             | 6.7            |
| 4   | 62.75              | 72.6                    | 22.2                         | 50.4           | 56.5             | 6.1            |
|     | 71.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : AV Input 2 + Rec (5V p-p)

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29, 2003  
Temp. / Humid. : 23°C / 65%

Engineer

Tsubasa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.3                    | 22.2                         | 65.1           | 69.5             | 4.4            |
| 4   | 67.25              | 86.5                    | 22.1                         | 64.4           | 69.5             | 5.1            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.3                    | 22.1                         | 51.2           | 56.5             | 5.3            |
|     | 65.75              | 72.1                    | 22.1                         | 50.0           | 56.5             | 6.5            |
| 4   | 62.75              | 72.5                    | 22.2                         | 50.3           | 56.5             | 6.2            |
|     | 71.75              | 71.2                    | 22.1                         | 49.1           | 56.5             | 7.4            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : VCR Playback

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29 , 2003  
Temp. / Humid. : 23°C / 65%

~~Engineer~~

Tsubasa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 86.9                    | 22.2                         | 64.7           | 69.5             | 4.8            |
| 4   | 67.25              | 86.8                    | 22.1                         | 64.7           | 69.5             | 4.8            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 72.6                    | 22.1                         | 50.5           | 56.5             | 6.0            |
|     | 65.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |
| 4   | 62.75              | 72.5                    | 22.2                         | 50.3           | 56.5             | 6.2            |
|     | 71.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |

## RF output level

UL Apex Co., Ltd.  
Yokowa EMC Lab.

Company : ORION ELECTRIC CO., LTD.  
Equipment : DVD Player and VCR  
Model number : PV-D744S  
Power : AC 120 V / 60 Hz  
Description : DVD Play

Report Number : 23LE0123-YW-1  
Regulation : FCC Part 15 Subpart B  
Date : July 29 , 2003  
Temp. / Humid. : 23°C / 65%

  
Engineer

Tadahisa Takayama

### Video signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 61.25              | 87.3                    | 22.2                         | 65.1           | 69.5             | 4.4            |
| 4   | 67.25              | 87.2                    | 22.1                         | 65.1           | 69.5             | 4.4            |

### Audio signal

| Ch. | Frequency<br>[MHz] | Meter reading<br>[dBuV] | Correction<br>factor<br>[dB] | Result<br>[dB] | Limits<br>[dBuV] | Margin<br>[dB] |
|-----|--------------------|-------------------------|------------------------------|----------------|------------------|----------------|
| 3   | 56.75              | 73.3                    | 22.1                         | 51.2           | 56.5             | 5.3            |
|     | 65.75              | 72.1                    | 22.1                         | 50.0           | 56.5             | 6.5            |
| 4   | 62.75              | 72.5                    | 22.2                         | 50.3           | 56.5             | 6.2            |
|     | 71.75              | 71.3                    | 22.1                         | 49.2           | 56.5             | 7.3            |

# DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

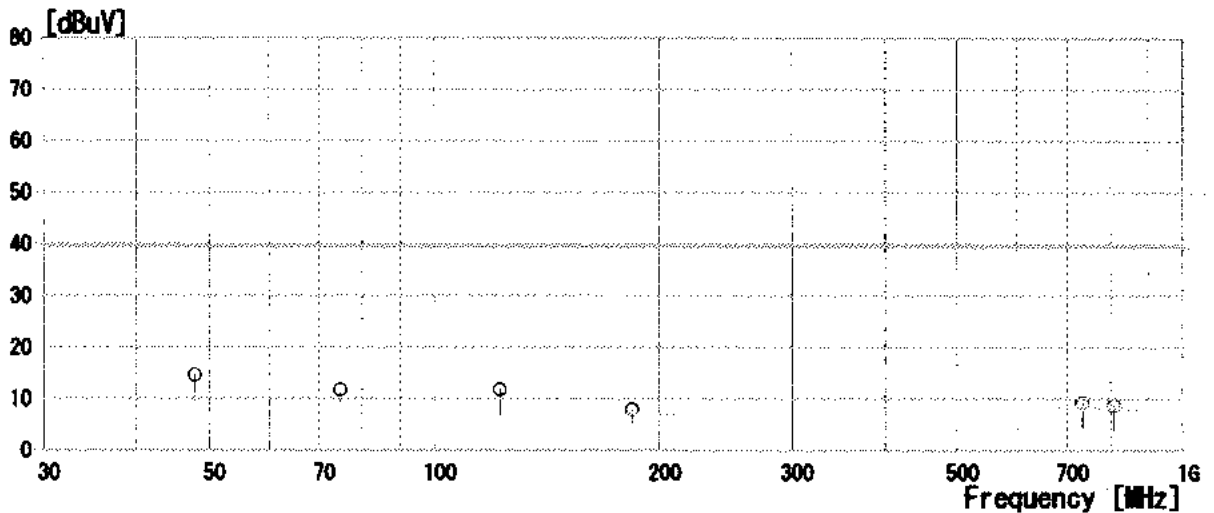
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : TV Reception + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : OdBuV  
Remarks 2 : 3CH Output

Report No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Takahisa Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 47.800        | 36.4    | —  | -21.8             | 14.6   | —  | 39.5   | —  | 24.9   | —  |
| 2   | 74.800        | 33.4    | —  | -21.7             | 11.7   | —  | 39.5   | —  | 27.8   | —  |
| 3   | 122.300       | 33.3    | —  | -21.4             | 11.9   | —  | 39.5   | —  | 27.6   | —  |
| 4   | 183.700       | 29.3    | —  | -21.3             | 8.0    | —  | 39.5   | —  | 31.5   | —  |
| 5   | 734.300       | 30.3    | —  | -21.0             | 9.3    | —  | 39.5   | —  | 30.2   | —  |
| 6   | 809.300       | 29.6    | —  | -20.8             | 8.8    | —  | 39.5   | —  | 30.7   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



# DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokosuka EMC Laboratory

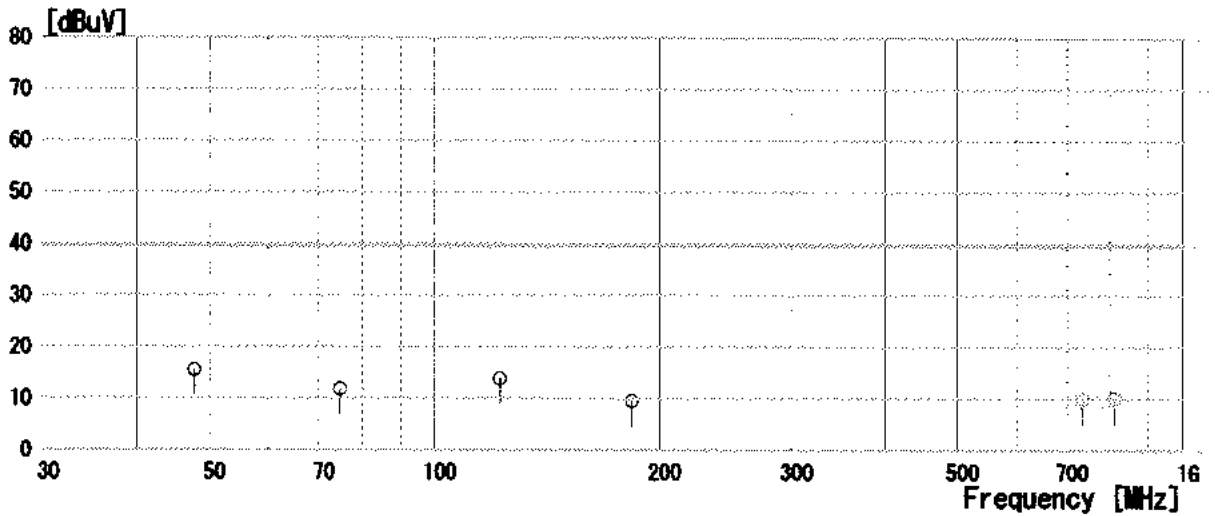
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : TV Reception + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 25 dBμV  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

~~Tested by: Takayama~~

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBμV]  |    |                   | [dBμV] |    | [dBμV] |    | [dB]   |    |
| 1   | 47.800        | 37.3    | —  | -21.8             | 15.5   | —  | 39.5   | —  | 24.0   | —  |
| 2   | 74.800        | 33.5    | —  | -21.7             | 11.8   | —  | 39.5   | —  | 27.7   | —  |
| 3   | 122.300       | 35.3    | —  | -21.4             | 13.9   | —  | 39.5   | —  | 25.6   | —  |
| 4   | 183.700       | 30.9    | —  | -21.3             | 9.6    | —  | 39.5   | —  | 29.9   | —  |
| 5   | 734.300       | 31.0    | —  | -21.0             | 9.9    | —  | 39.5   | —  | 29.6   | —  |
| 6   | 810.300       | 30.8    | —  | -20.8             | 10.0   | —  | 39.5   | —  | 29.5   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



# DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokawa EMC Laboratory

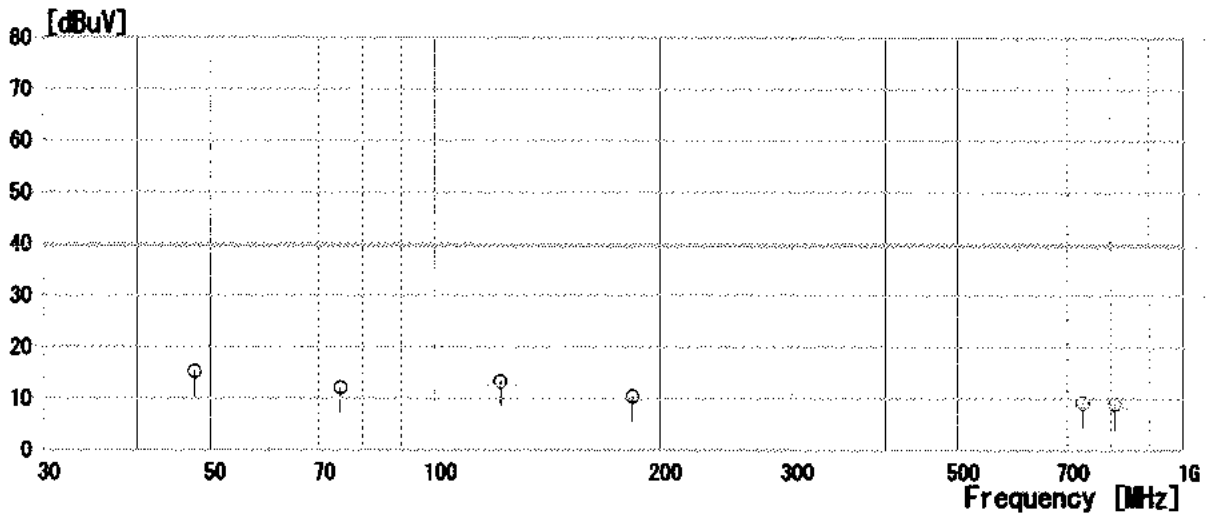
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : Av Input 1 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 3CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tsubasa Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 47.760        | 37.1    | —  | -21.8             | 15.3   | —  | 39.5   | —  | 24.2   | —  |
| 2   | 74.800        | 33.8    | —  | -21.7             | 12.1   | —  | 39.5   | —  | 27.4   | —  |
| 3   | 122.300       | 34.8    | —  | -21.4             | 13.4   | —  | 39.5   | —  | 26.1   | —  |
| 4   | 183.700       | 31.8    | —  | -21.3             | 10.5   | —  | 39.5   | —  | 29.0   | —  |
| 5   | 734.300       | 30.3    | —  | -21.0             | 9.3    | —  | 39.5   | —  | 30.2   | —  |
| 6   | 810.300       | 29.8    | —  | -20.8             | 9.0    | —  | 39.5   | —  | 30.5   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



# DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

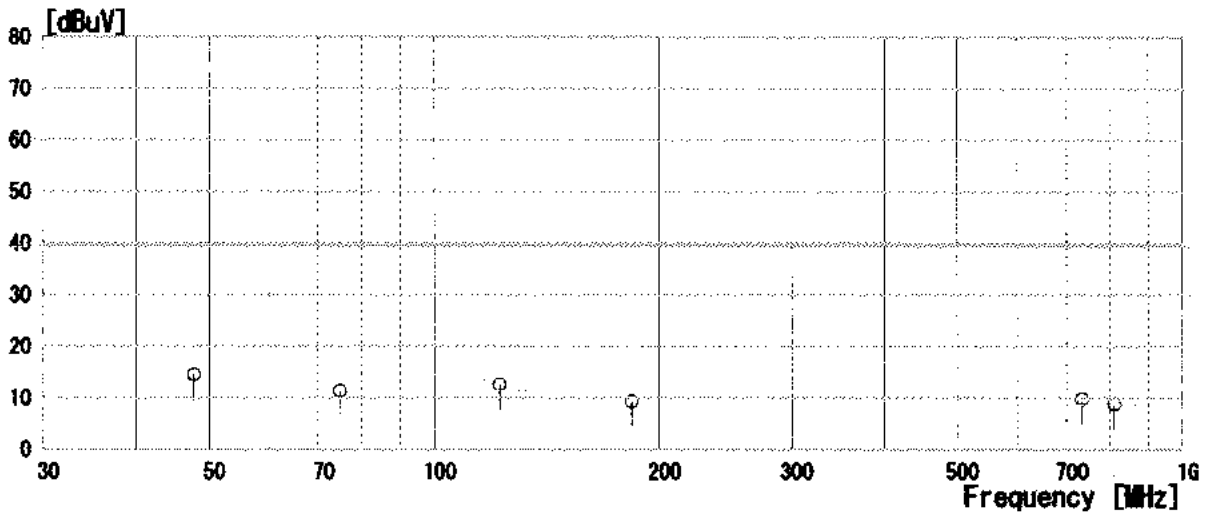
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : Av Input 1 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 3CH Output

Report No. : Z3LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tsubasa Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP    | AV<br>[dBμV] | QP     | AV<br>[dB] |
| 1   | 47.780        | 36.3    | —            | -21.8             | 14.5   | —            | 39.5  | —            | 25.0   | —          |
| 2   | 74.800        | 33.0    | —            | -21.7             | 11.3   | —            | 39.5  | —            | 28.2   | —          |
| 3   | 122.300       | 34.0    | —            | -21.4             | 12.6   | —            | 39.5  | —            | 26.9   | —          |
| 4   | 183.700       | 30.7    | —            | -21.3             | 9.4    | —            | 39.5  | —            | 30.1   | —          |
| 5   | 734.300       | 30.9    | —            | -21.0             | 9.9    | —            | 39.5  | —            | 29.6   | —          |
| 6   | 810.300       | 29.6    | —            | -20.8             | 8.8    | —            | 39.5  | —            | 30.7   | —          |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



# DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

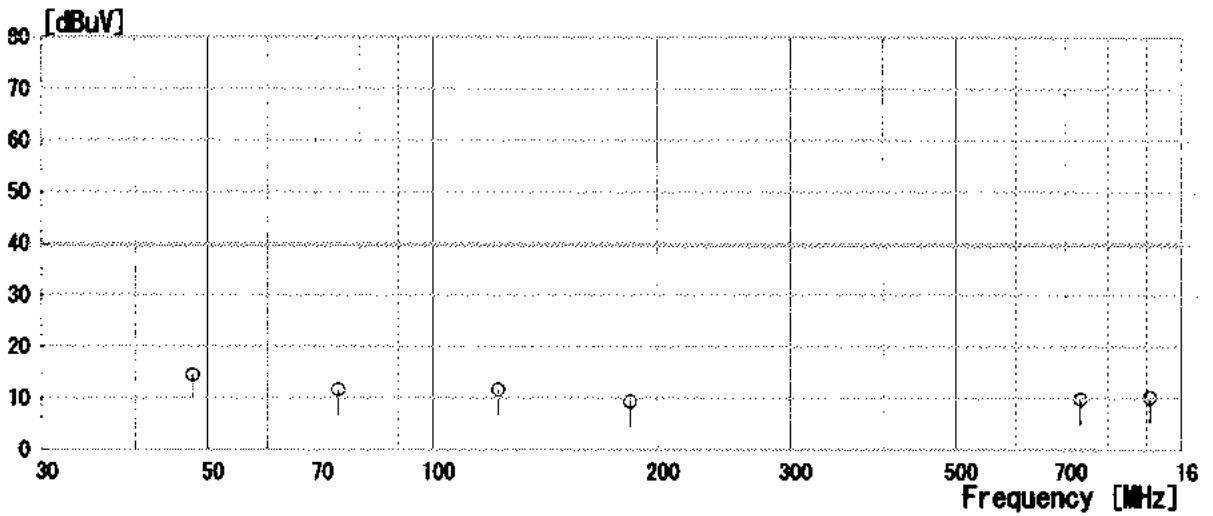
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : Av Input 2 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 3CH Output

Report No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tetsuya Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 47.780        | 36.3    | —  | -21.8             | 14.5   | —  | 39.5   | —  | 25.0   | —  |
| 2   | 74.800        | 33.3    | —  | -21.7             | 11.6   | —  | 39.5   | —  | 27.9   | —  |
| 3   | 122.300       | 33.1    | —  | -21.4             | 11.7   | —  | 39.5   | —  | 27.8   | —  |
| 4   | 183.700       | 30.7    | —  | -21.3             | 9.4    | —  | 39.5   | —  | 30.1   | —  |
| 5   | 734.300       | 30.9    | —  | -21.0             | 9.9    | —  | 39.5   | —  | 29.6   | —  |
| 6   | 908.600       | 30.5    | —  | -20.3             | 10.2   | —  | 39.5   | —  | 29.3   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co.,Ltd.  
Yokohama EMC Laboratory

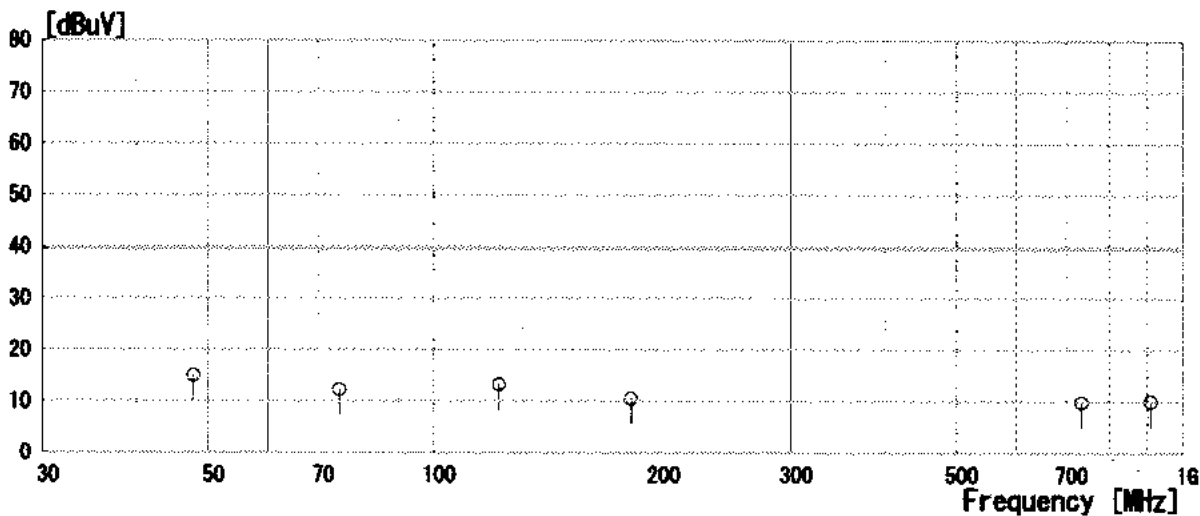
Company : Orion Electric Co.,Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : Av Input 2 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: ~~Isao~~ Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBuV] |                   | QP     | AV<br>[dBuV] | QP    | AV<br>[dBuV] | QP     | AV<br>[dB] |
| 1   | 47.760        | 36.8    | -----        | -21.8             | 15.0   | -----        | 39.5  | -----        | 24.5   | -----      |
| 2   | 74.800        | 33.9    | -----        | -21.7             | 12.2   | -----        | 39.5  | -----        | 27.3   | -----      |
| 3   | 122.300       | 34.7    | -----        | -21.4             | 13.3   | -----        | 39.5  | -----        | 26.2   | -----      |
| 4   | 183.700       | 31.9    | -----        | -21.3             | 10.6   | -----        | 39.5  | -----        | 28.9   | -----      |
| 5   | 734.300       | 30.9    | -----        | -21.0             | 9.9    | -----        | 39.5  | -----        | 29.6   | -----      |
| 6   | 908.600       | 30.4    | -----        | -20.3             | 10.1   | -----        | 39.5  | -----        | 29.4   | -----      |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

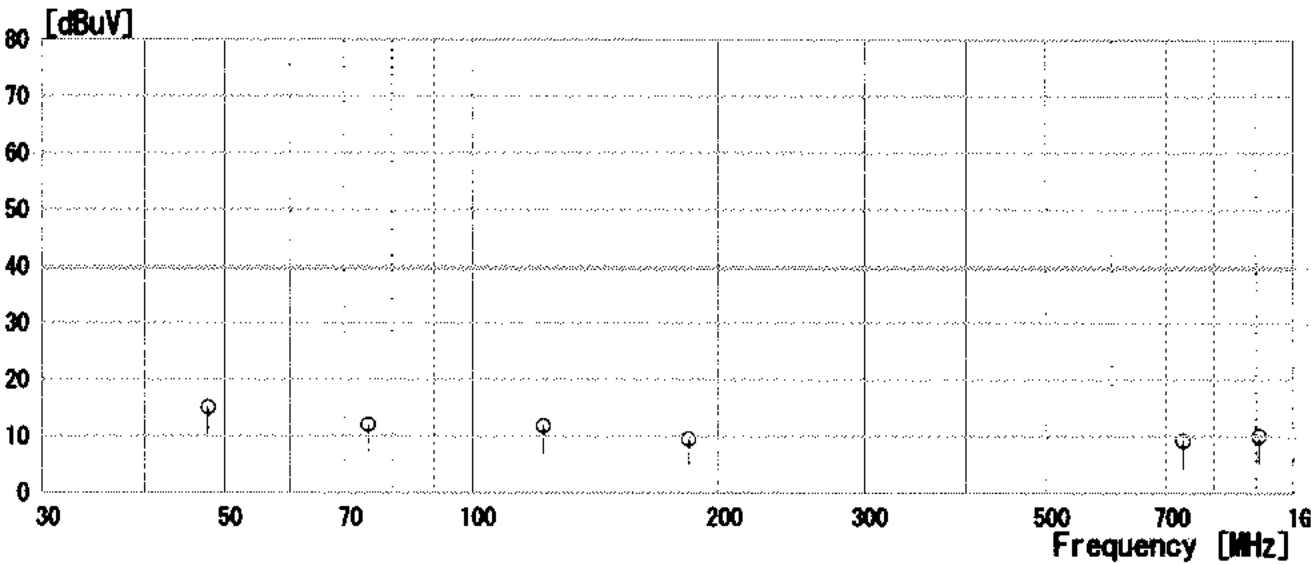
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : VCR Playback  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Takayama Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | OP      | AV |                   | OP     | AV | OP     | AV | OP     | AV |
|     |               | [dBμV]  |    |                   | [dBμV] |    | [dBμV] |    | [dB]   |    |
| 1   | 47.760        | 36.9    | —  | -21.8             | 15.1   | —  | 39.5   | —  | 24.4   | —  |
| 2   | 74.800        | 33.7    | —  | -21.7             | 12.0   | —  | 39.5   | —  | 27.5   | —  |
| 3   | 122.300       | 33.3    | —  | -21.4             | 11.9   | —  | 39.5   | —  | 27.6   | —  |
| 4   | 183.700       | 30.9    | —  | -21.3             | 9.6    | —  | 39.5   | —  | 29.9   | —  |
| 5   | 734.300       | 30.3    | —  | -21.0             | 9.3    | —  | 39.5   | —  | 30.2   | —  |
| 6   | 908.600       | 30.4    | —  | -20.3             | 10.1   | —  | 39.5   | —  | 29.4   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

Company : Orion Electric Co., Ltd.

Equipment : DVD Player and VCR

Model Name : PY-D744S

Operation Mode : DVD Play

Port : RF Output Terminal

Power : AC120V/60Hz

Remarks 1 : -

Remarks 2 : 3CH Output

Report No. : 23LE0123-YW-1

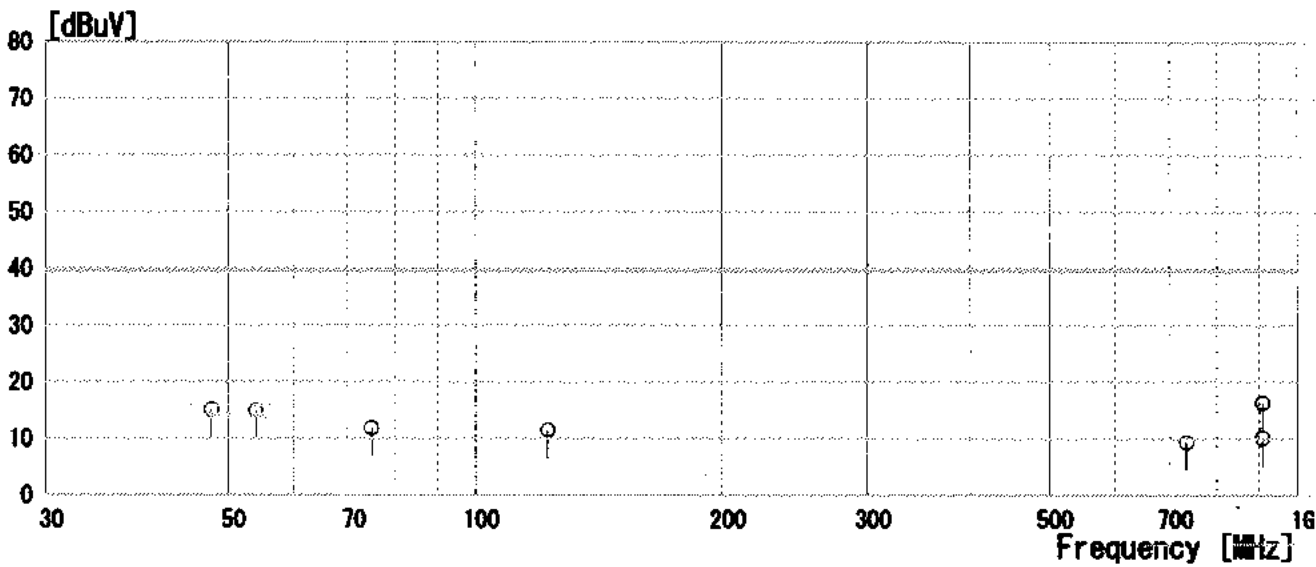
Date : July 29, 2003

Regulation : FCC Part15 Subpart B

Engineer : Isomasa Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 47.760        | 36.9    |    | -21.8             | 15.1   |    | 39.5   |    | 24.4   |    |
| 2   | 54.100        | 36.7    |    | -21.7             | 15.0   |    | 39.5   |    | 24.5   |    |
| 3   | 74.800        | 33.5    |    | -21.7             | 11.8   |    | 39.5   |    | 27.7   |    |
| 4   | 122.600       | 32.9    |    | -21.4             | 11.5   |    | 39.5   |    | 28.0   |    |
| 5   | 734.300       | 30.4    |    | -21.0             | 9.4    |    | 39.5   |    | 30.1   |    |
| 6   | 908.600       | 30.5    |    | -20.3             | 10.2   |    | 39.5   |    | 29.3   |    |
|     | 908.600       | 36.7    |    | -20.3             | 16.4   |    | 39.5   |    | 23.1   |    |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

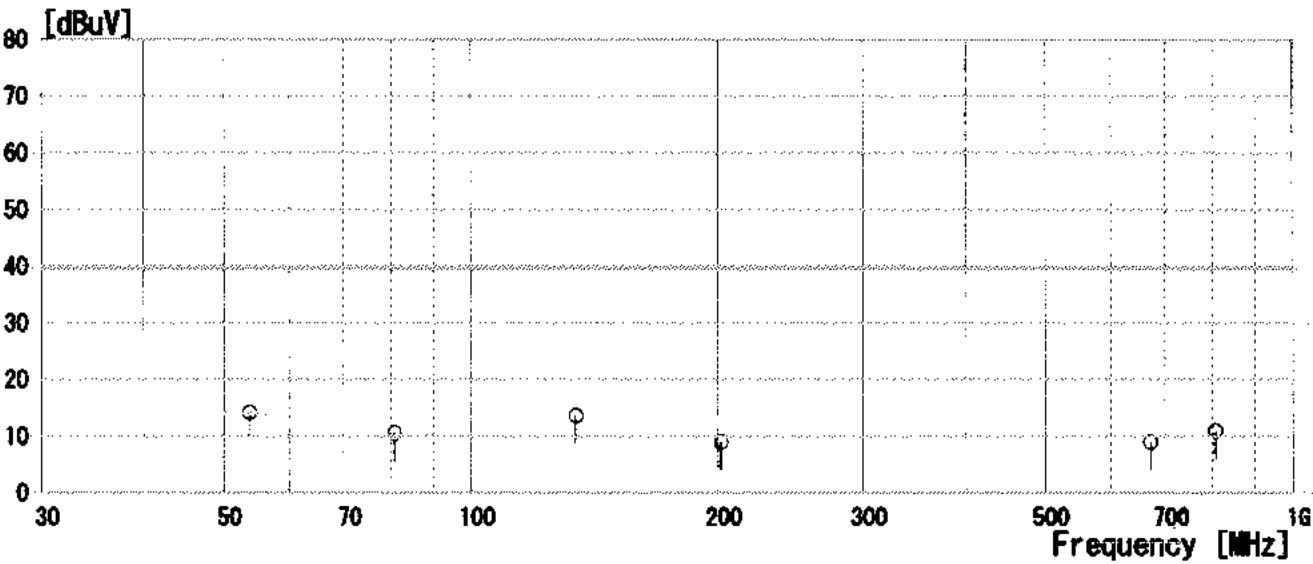
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : TV Reception + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 0dBμV  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Tsubasa Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP    | AV<br>[dBμV] | QP     | AV<br>[dB] |
| 1   | 53.800        | 35.9    | —            | -21.8             | 14.1   | —            | 39.5  | —            | 25.4   | —          |
| 2   | 80.800        | 32.2    | —            | -21.6             | 10.6   | —            | 39.5  | —            | 28.9   | —          |
| 3   | 134.300       | 35.0    | —            | -21.4             | 13.6   | —            | 39.5  | —            | 25.9   | —          |
| 4   | 201.700       | 30.3    | —            | -21.3             | 9.0    | —            | 39.5  | —            | 30.5   | —          |
| 5   | 672.100       | 30.2    | —            | -21.2             | 9.0    | —            | 39.5  | —            | 30.5   | —          |
| 6   | 806.400       | 31.7    | —            | -20.8             | 10.9   | —            | 39.5  | —            | 28.6   | —          |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

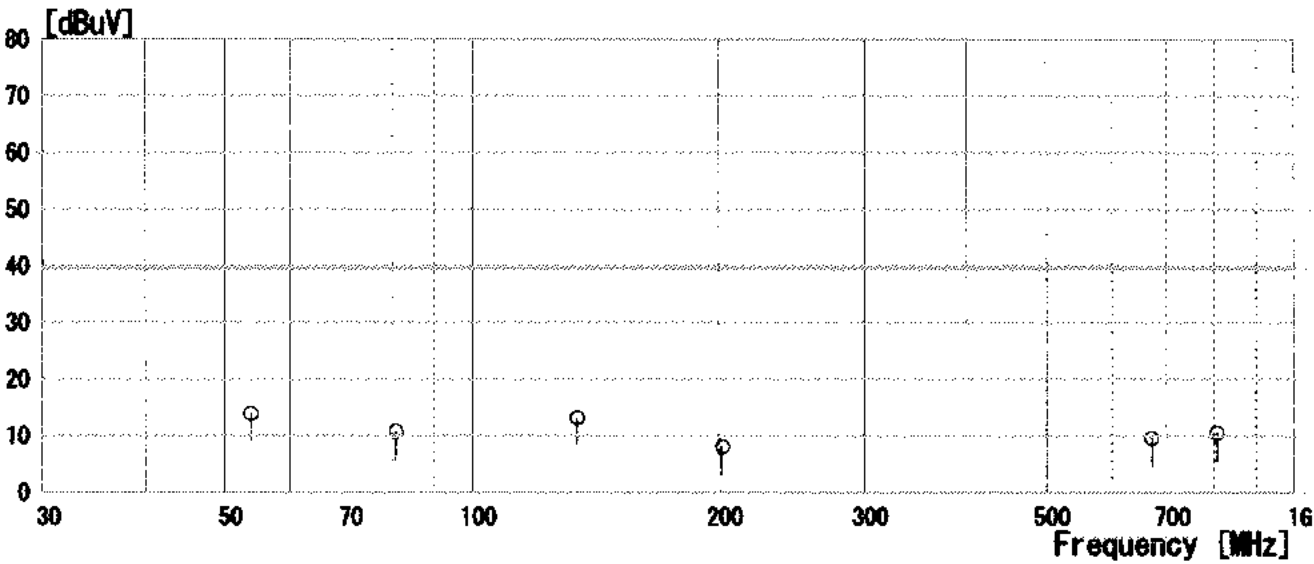
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : TV Reception + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 25dBμV  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : ISHIOKA Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | OP      | AV |                   | OP     | AV | OP     | AV | OP     | AV |
|     |               | [dBμV]  |    |                   | [dBμV] |    | [dBμV] |    | [dB]   |    |
| 1   | 53.800        | 35.7    | —  | -21.8             | 13.9   | —  | 39.5   | —  | 25.6   | —  |
| 2   | 80.800        | 32.4    | —  | -21.6             | 10.8   | —  | 39.5   | —  | 28.7   | —  |
| 3   | 134.300       | 34.6    | —  | -21.4             | 13.2   | —  | 39.5   | —  | 26.3   | —  |
| 4   | 201.700       | 29.4    | —  | -21.3             | 8.1    | —  | 39.5   | —  | 31.4   | —  |
| 5   | 672.100       | 30.8    | —  | -21.2             | 9.6    | —  | 39.5   | —  | 29.9   | —  |
| 6   | 806.400       | 31.3    | —  | -20.8             | 10.5   | —  | 39.5   | —  | 29.0   | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

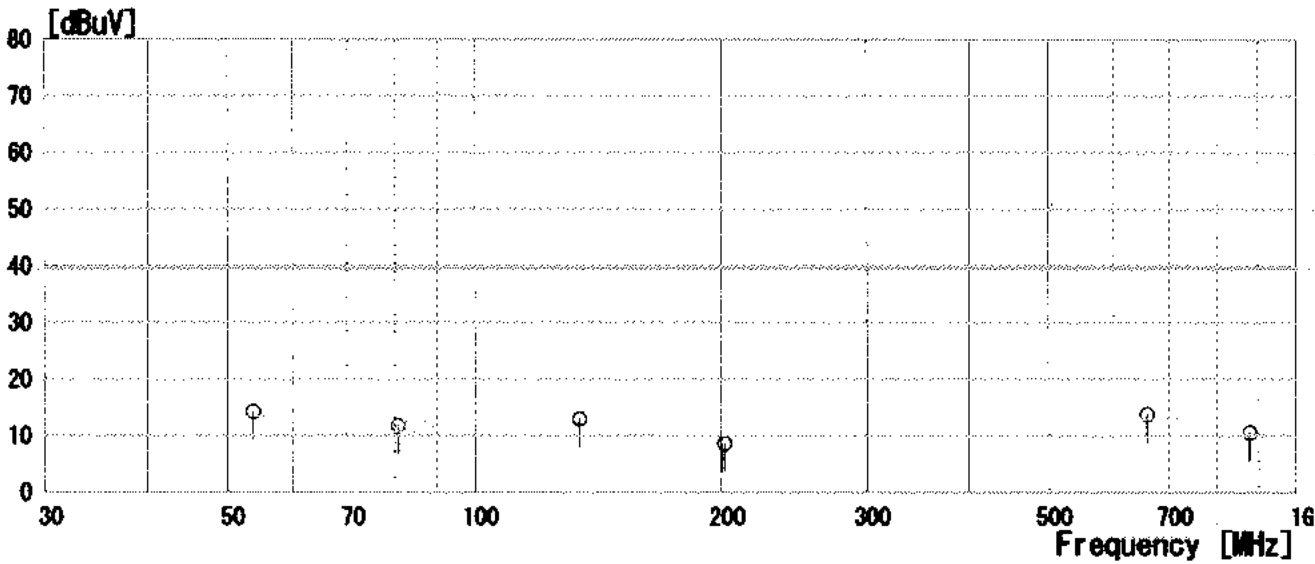
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : Av Input 1 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer Tetsuya Iwayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBuV] |                   | QP     | AV<br>[dBuV] | QP    | AV<br>[dBuV] | QP     | AV<br>[dB] |
| 1   | 53.800        | 36.0    | -----        | -21.8             | 14.2   | -----        | 39.5  | -----        | 25.3   | -----      |
| 2   | 80.800        | 33.4    | -----        | -21.6             | 11.8   | -----        | 39.5  | -----        | 27.7   | -----      |
| 3   | 134.300       | 34.4    | -----        | -21.4             | 13.0   | -----        | 39.5  | -----        | 26.5   | -----      |
| 4   | 201.700       | 29.9    | -----        | -21.3             | 8.6    | -----        | 39.5  | -----        | 30.9   | -----      |
| 5   | 658.900       | 35.0    | -----        | -21.2             | 13.8   | -----        | 39.5  | -----        | 25.7   | -----      |
| 6   | 878.570       | 31.0    | -----        | -20.4             | 10.6   | -----        | 39.5  | -----        | 28.9   | -----      |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co.,Ltd.  
Yokohama EMC Laboratory

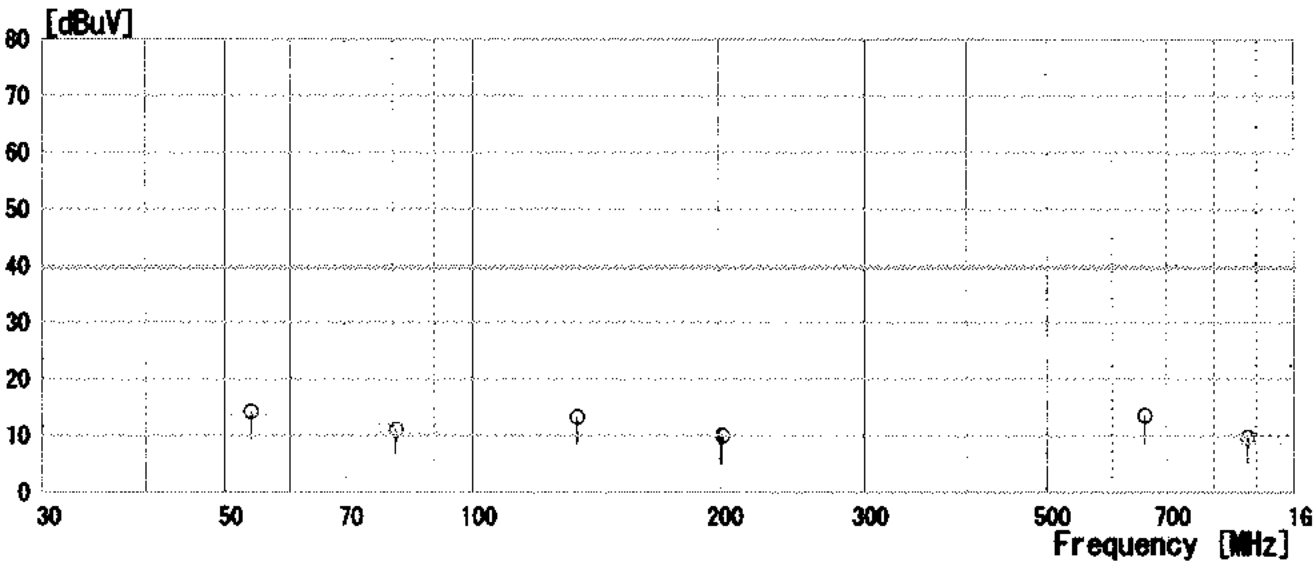
Company : Orion Electric Co.,Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : Av Input 1 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tetsuya Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | OP      | AV<br>[dBμV] |                   | OP     | AV<br>[dBμV] | OP    | AV<br>[dBμV] | OP     | AV<br>[dB] |
| 1   | 53.800        | 36.0    |              | -21.8             | 14.2   |              | 39.5  |              | 25.3   |            |
| 2   | 80.800        | 32.7    |              | -21.6             | 11.1   |              | 39.5  |              | 28.4   |            |
| 3   | 134.300       | 34.7    |              | -21.4             | 13.3   |              | 39.5  |              | 26.2   |            |
| 4   | 201.700       | 31.3    |              | -21.3             | 10.0   |              | 39.5  |              | 29.5   |            |
| 5   | 658.900       | 34.8    |              | -21.2             | 13.6   |              | 39.5  |              | 25.9   |            |
| 6   | 878.570       | 30.2    |              | -20.4             | 9.8    |              | 39.5  |              | 29.7   |            |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

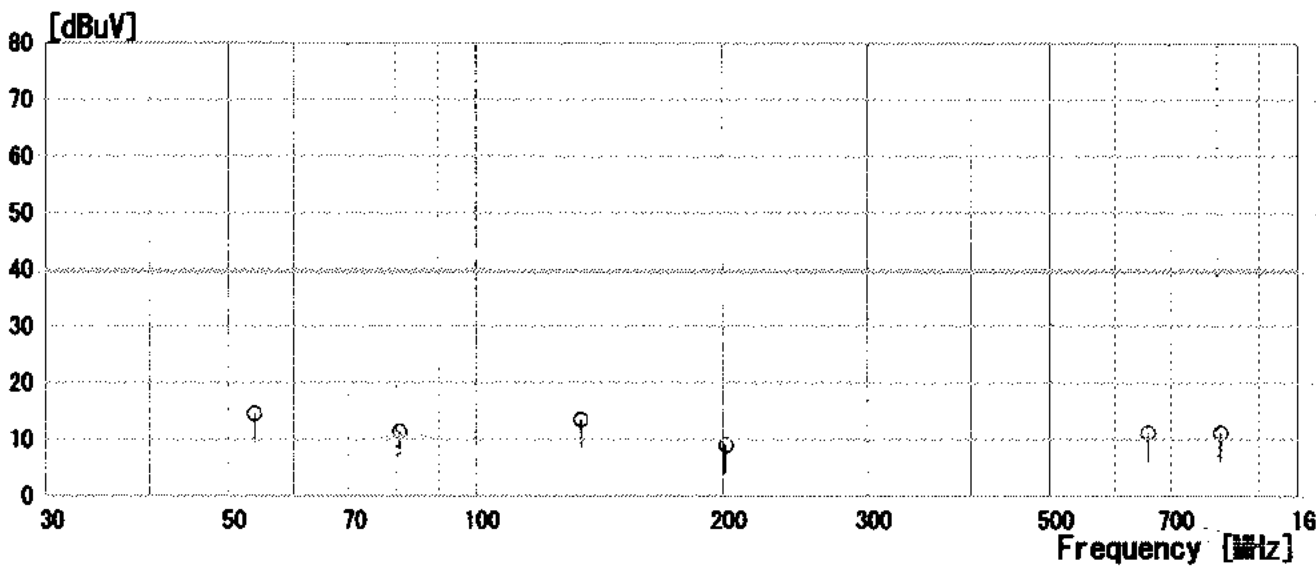
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : Av Input 2 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer Takahisa Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBuV] |                   | QP     | AV<br>[dBuV] | QP    | AV<br>[dBuV] | QP     | AV<br>[dB] |
| 1   | 53.800        | 36.3    |              | -21.8             | 14.5   |              | 39.5  |              | 25.0   |            |
| 2   | 80.800        | 33.0    |              | -21.6             | 11.4   |              | 39.5  |              | 28.1   |            |
| 3   | 134.300       | 34.9    |              | -21.4             | 13.5   |              | 39.5  |              | 26.0   |            |
| 4   | 201.700       | 30.3    |              | -21.3             | 9.0    |              | 39.5  |              | 30.5   |            |
| 5   | 658.600       | 32.4    |              | -21.2             | 11.2   |              | 39.5  |              | 28.3   |            |
| 6   | 806.400       | 31.9    |              | -20.8             | 11.1   |              | 39.5  |              | 28.4   |            |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co. Ltd.  
Yokosa EMC Laboratory

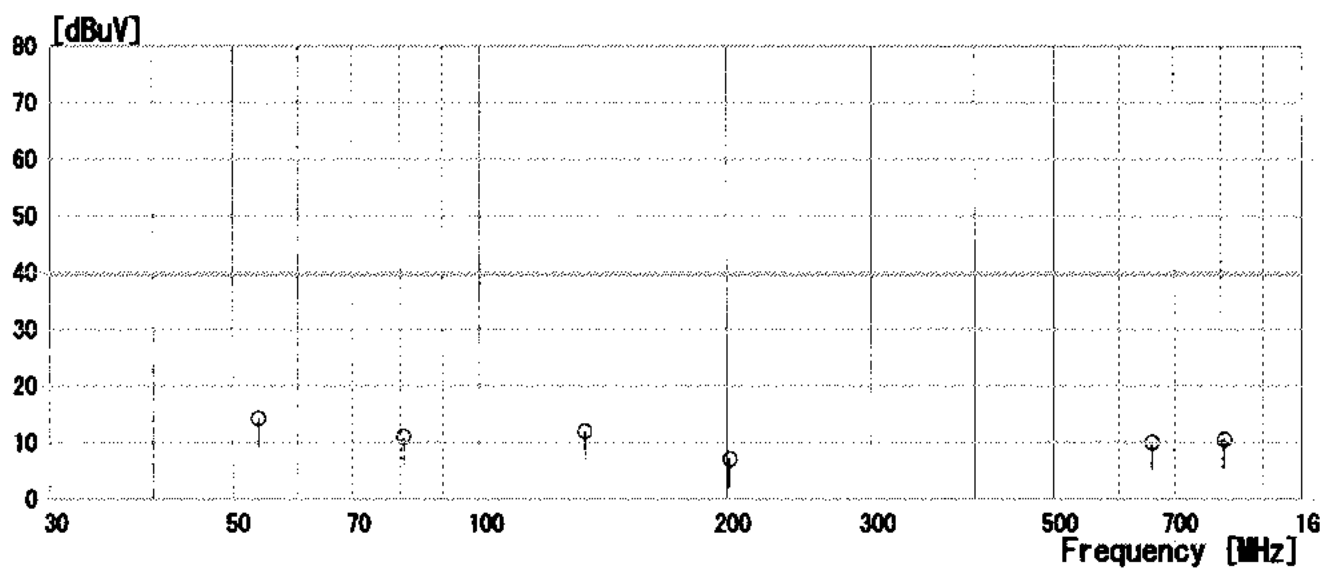
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : Av Input 2 + Rec  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tetsuya Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP    | AV<br>[dBμV] | QP     | AV<br>[dB] |
| 1   | 53.800        | 36.0    | —            | -21.8             | 14.2   | —            | 39.5  | —            | 25.3   | —          |
| 2   | 80.800        | 32.7    | —            | -21.6             | 11.1   | —            | 39.5  | —            | 28.4   | —          |
| 3   | 134.300       | 33.4    | —            | -21.4             | 12.0   | —            | 39.5  | —            | 27.5   | —          |
| 4   | 201.700       | 28.4    | —            | -21.3             | 7.1    | —            | 39.5  | —            | 32.4   | —          |
| 5   | 658.600       | 31.2    | —            | -21.2             | 10.0   | —            | 39.5  | —            | 29.5   | —          |
| 6   | 806.400       | 31.3    | —            | -20.8             | 10.5   | —            | 39.5  | —            | 29.0   | —          |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

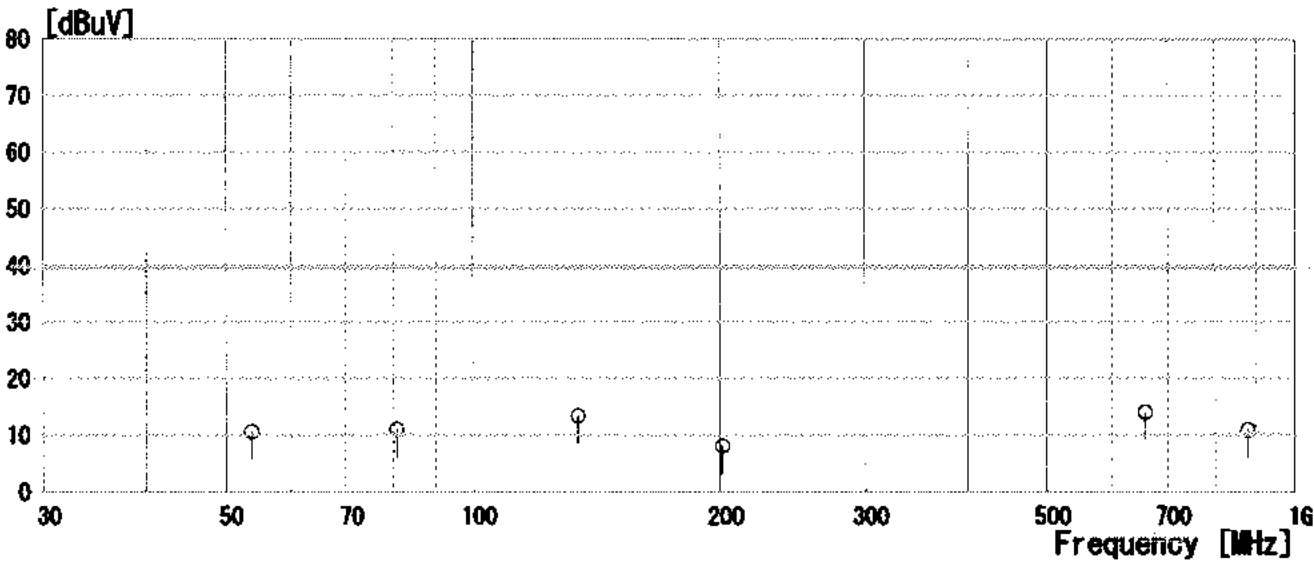
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : VCR Playback  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Tsubasa Takayama

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | QP      | AV    |                   | QP     | AV    | QP     | AV    | QP     | AV    |
|     |               | [dBμV]  |       |                   | [dBμV] |       | [dBμV] |       | [dB]   |       |
| 1   | 53.800        | 32.4    | ----- | -21.8             | 10.6   | ----- | 39.5   | ----- | 28.9   | ----- |
| 2   | 80.800        | 32.7    | ----- | -21.6             | 11.1   | ----- | 39.5   | ----- | 28.4   | ----- |
| 3   | 134.300       | 34.8    | ----- | -21.4             | 13.4   | ----- | 39.5   | ----- | 26.1   | ----- |
| 4   | 201.300       | 29.4    | ----- | -21.3             | 8.1    | ----- | 39.5   | ----- | 31.4   | ----- |
| 5   | 658.600       | 35.3    | ----- | -21.2             | 14.1   | ----- | 39.5   | ----- | 25.4   | ----- |
| 6   | 877.900       | 31.4    | ----- | -20.4             | 11.0   | ----- | 39.5   | ----- | 28.5   | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF RF SPURIOUS

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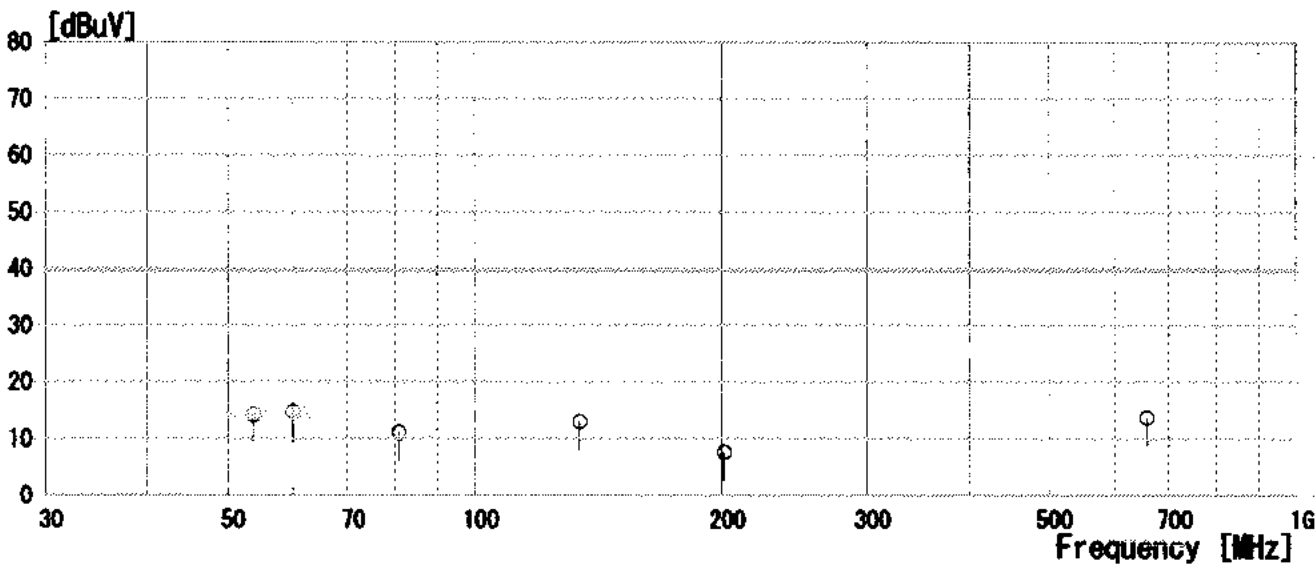
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : DVD Play  
Port : RF Output Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Shigeo Takayama

| No. | FREQ<br>[MHz] | READING |        | C. FACTOR<br>[dB] | RESULT |        | LIMIT  |        | MARGIN |       |
|-----|---------------|---------|--------|-------------------|--------|--------|--------|--------|--------|-------|
|     |               | QP      | AV     |                   | QP     | AV     | QP     | AV     | QP     | AV    |
|     |               | [dBμV]  | [dBμV] |                   | [dBμV] | [dBμV] | [dBμV] | [dBμV] | [dB]   | [dB]  |
| 1   | 53.800        | 35.9    | -----  | -21.8             | 14.1   | -----  | 39.5   | -----  | 25.4   | ----- |
| 2   | 60.100        | 36.4    | -----  | -21.7             | 14.7   | -----  | 39.5   | -----  | 24.8   | ----- |
| 3   | 80.900        | 32.7    | -----  | -21.6             | 11.1   | -----  | 39.5   | -----  | 28.4   | ----- |
| 4   | 134.300       | 34.4    | -----  | -21.4             | 13.0   | -----  | 39.5   | -----  | 26.5   | ----- |
| 5   | 201.400       | 28.9    | -----  | -21.3             | 7.6    | -----  | 39.5   | -----  | 31.9   | ----- |
| 6   | 658.600       | 34.9    | -----  | -21.2             | 13.7   | -----  | 39.5   | -----  | 25.8   | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

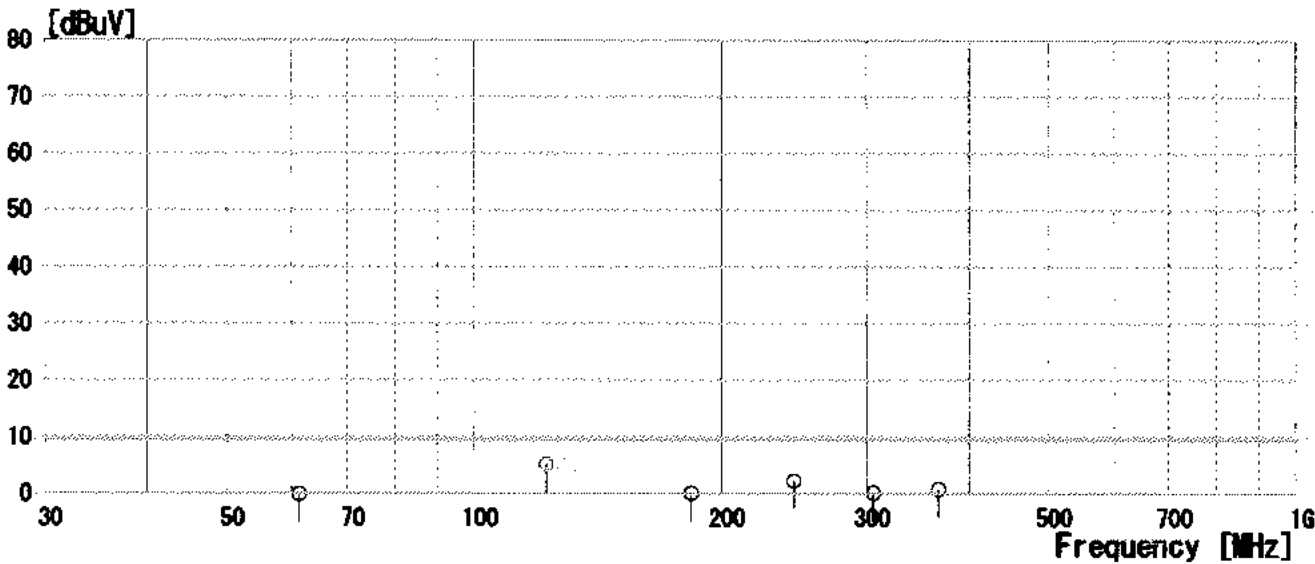
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : AV Input 1 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Isomasa Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP    | AV<br>[dBμV] | QP     | AV<br>[dB] |
| 1   | 61.250        | 21.6    | -----        | -21.7             | -0.1   | -----        | 9.5   | -----        | 9.6    | -----      |
| 2   | 122.500       | 26.6    | -----        | -21.4             | 5.2    | -----        | 9.5   | -----        | 4.3    | -----      |
| 3   | 183.750       | 21.4    | -----        | -21.3             | 0.1    | -----        | 9.5   | -----        | 9.4    | -----      |
| 4   | 245.000       | 23.5    | -----        | -21.3             | 2.2    | -----        | 9.5   | -----        | 7.3    | -----      |
| 5   | 306.250       | 21.4    | -----        | -21.3             | 0.1    | -----        | 9.5   | -----        | 9.4    | -----      |
| 6   | 367.500       | 22.1    | -----        | -21.3             | 0.8    | -----        | 9.5   | -----        | 8.7    | -----      |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

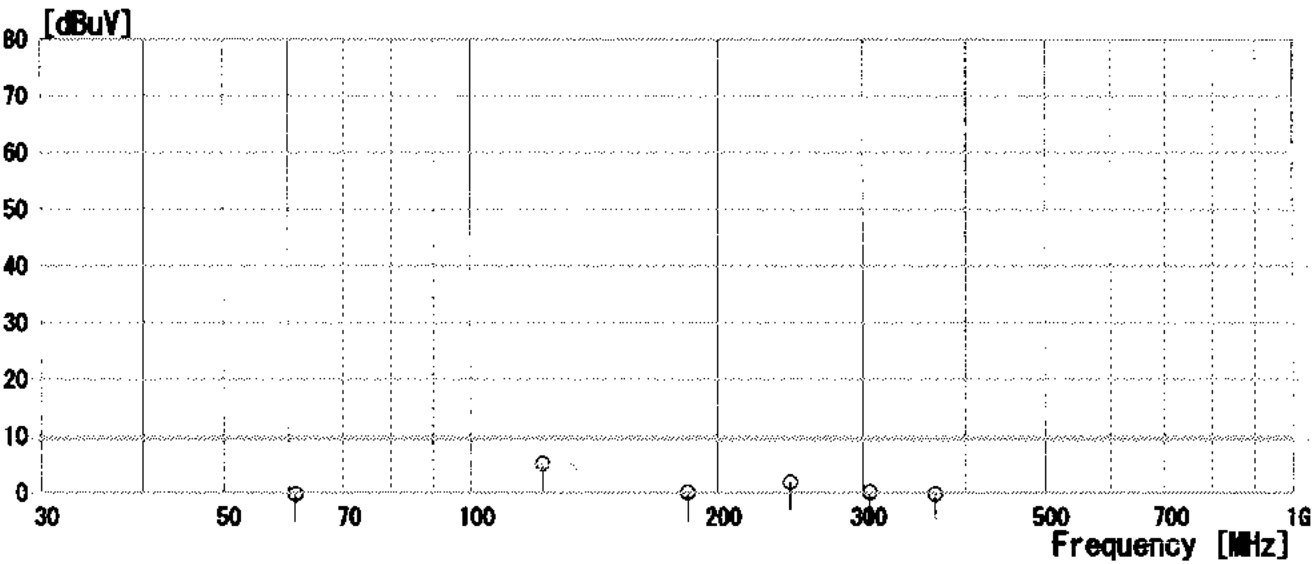
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : AV Input 1 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Isurasa Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 61.250        | 21.5    | —  | -21.7             | -0.2   | —  | 9.5    | —  | 9.7    | —  |
| 2   | 122.500       | 26.6    | —  | -21.4             | 5.2    | —  | 9.5    | —  | 4.3    | —  |
| 3   | 183.750       | 21.4    | —  | -21.3             | 0.1    | —  | 9.5    | —  | 9.4    | —  |
| 4   | 245.000       | 23.1    | —  | -21.3             | 1.8    | —  | 9.5    | —  | 7.7    | —  |
| 5   | 306.250       | 21.4    | —  | -21.3             | 0.1    | —  | 9.5    | —  | 9.4    | —  |
| 6   | 367.500       | 21.1    | —  | -21.3             | -0.2   | —  | 9.5    | —  | 9.7    | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

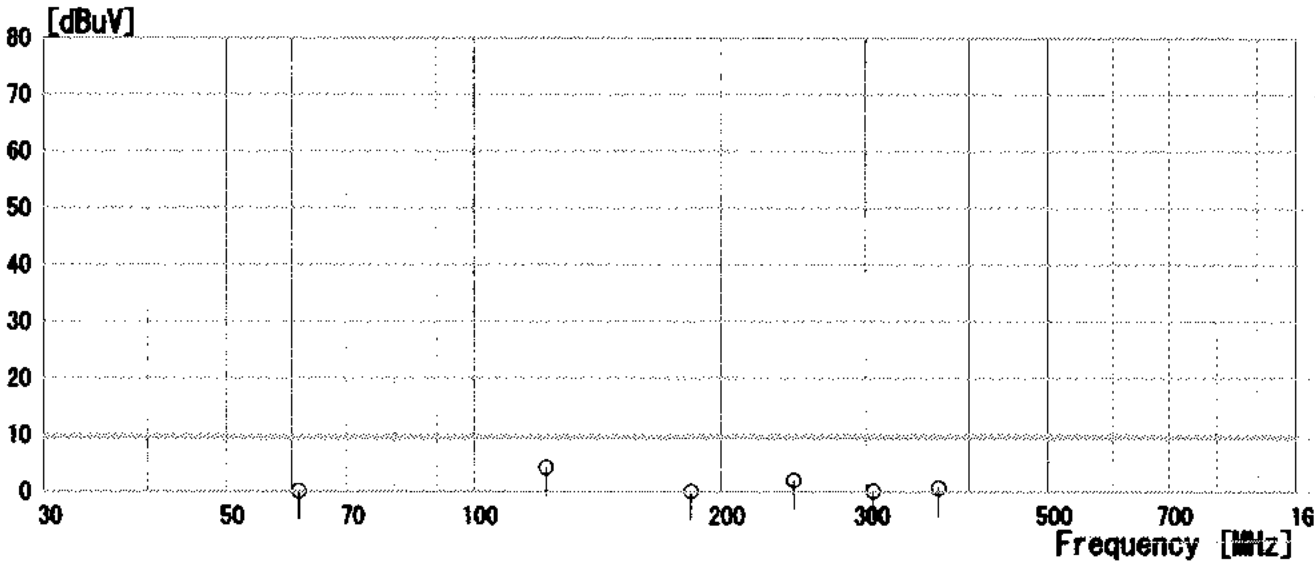
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : AV Input 2 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 3CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

~~Engineer Tetsuya Takayama~~

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | OP      | AV    |                   | OP     | AV    | OP     | AV    | OP     | AV    |
|     |               | [dBuV]  |       |                   | [dBuV] |       | [dBuV] |       | [dB]   |       |
| 1   | 61.250        | 21.8    | ----- | -21.7             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 2   | 122.500       | 25.7    | ----- | -21.4             | 4.3    | ----- | 9.5    | ----- | 5.2    | ----- |
| 3   | 183.750       | 21.4    | ----- | -21.3             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 4   | 245.000       | 23.3    | ----- | -21.3             | 2.0    | ----- | 9.5    | ----- | 7.5    | ----- |
| 5   | 306.250       | 21.4    | ----- | -21.3             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 6   | 367.500       | 22.0    | ----- | -21.3             | 0.7    | ----- | 9.5    | ----- | 8.8    | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

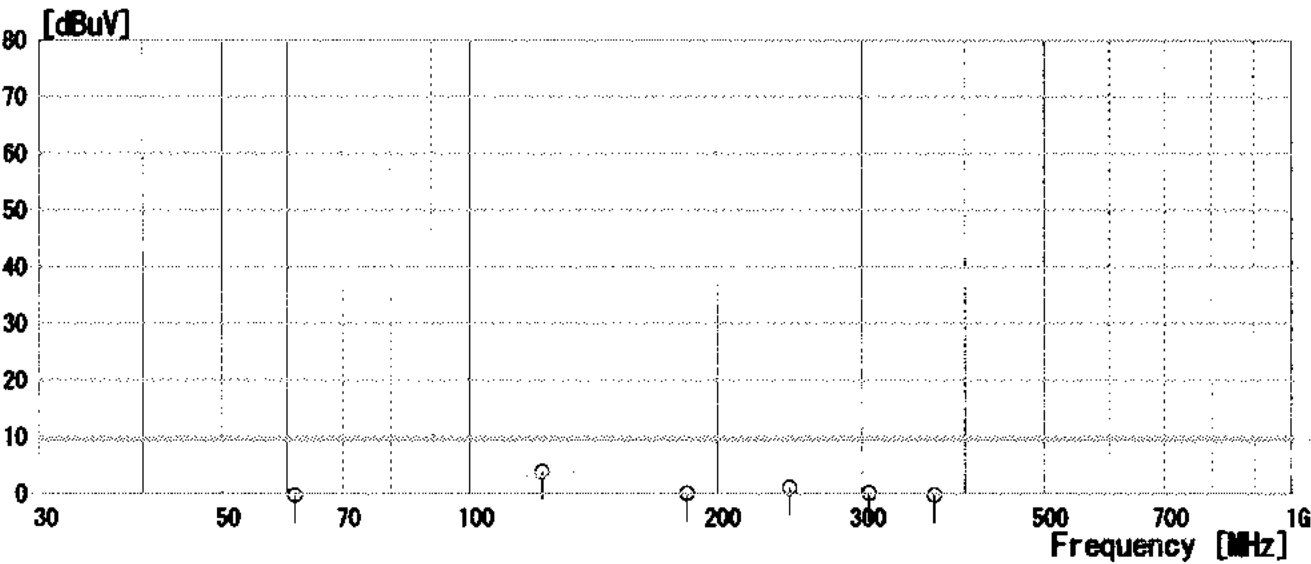
UL Apex Co., Ltd.  
Yokohama EMC Laboratory

Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : AV Input 2 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 3CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B  
Engineer : ~~Shigeo Takayama~~

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | QP      | AV    |                   | QP     | AV    | QP     | AV    | QP     | AV    |
|     |               | [dBμV]  |       |                   | [dBμV] |       | [dBμV] |       | [dB]   |       |
| 1   | 61.250        | 21.4    | ----- | -21.7             | -0.3   | ----- | 9.5    | ----- | 9.8    | ----- |
| 2   | 122.500       | 25.3    | ----- | -21.4             | 3.9    | ----- | 9.5    | ----- | 5.6    | ----- |
| 3   | 183.750       | 21.4    | ----- | -21.3             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 4   | 245.000       | 22.3    | ----- | -21.3             | 1.0    | ----- | 9.5    | ----- | 8.5    | ----- |
| 5   | 306.250       | 21.4    | ----- | -21.3             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 6   | 367.500       | 21.1    | ----- | -21.3             | -0.2   | ----- | 9.5    | ----- | 9.7    | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

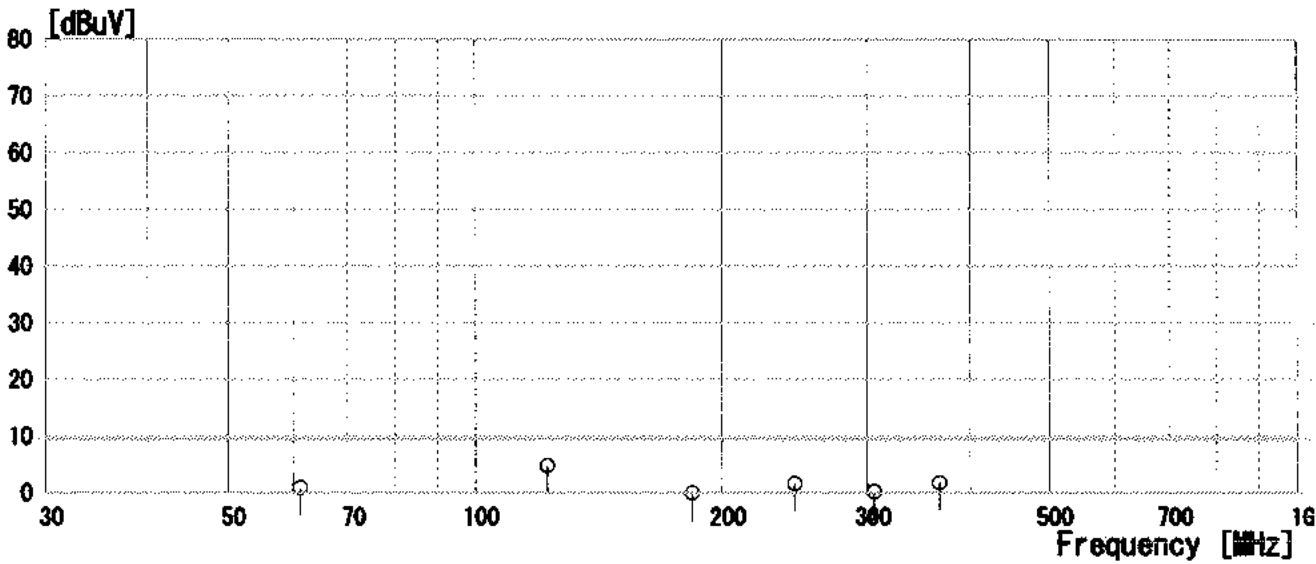
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : VCR Playback  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 3CH Output

Report No. : 231E0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Tsutomu Takayama

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | QP      | AV    |                   | QP     | AV    | QP     | AV    | QP     | AV    |
|     |               | [dBμV]  |       |                   | [dBμV] |       | [dBμV] |       | [dB]   |       |
| 1   | 61.250        | 22.6    | ----- | -21.7             | 0.9    | ----- | 9.5    | ----- | 8.6    | ----- |
| 2   | 122.500       | 26.2    | ----- | -21.4             | 4.8    | ----- | 9.5    | ----- | 4.7    | ----- |
| 3   | 183.750       | 21.3    | ----- | -21.3             | 0.0    | ----- | 9.5    | ----- | 9.5    | ----- |
| 4   | 245.000       | 22.9    | ----- | -21.3             | 1.6    | ----- | 9.5    | ----- | 7.9    | ----- |
| 5   | 306.250       | 21.5    | ----- | -21.3             | 0.2    | ----- | 9.5    | ----- | 9.3    | ----- |
| 6   | 367.500       | 23.1    | ----- | -21.3             | 1.8    | ----- | 9.5    | ----- | 7.7    | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

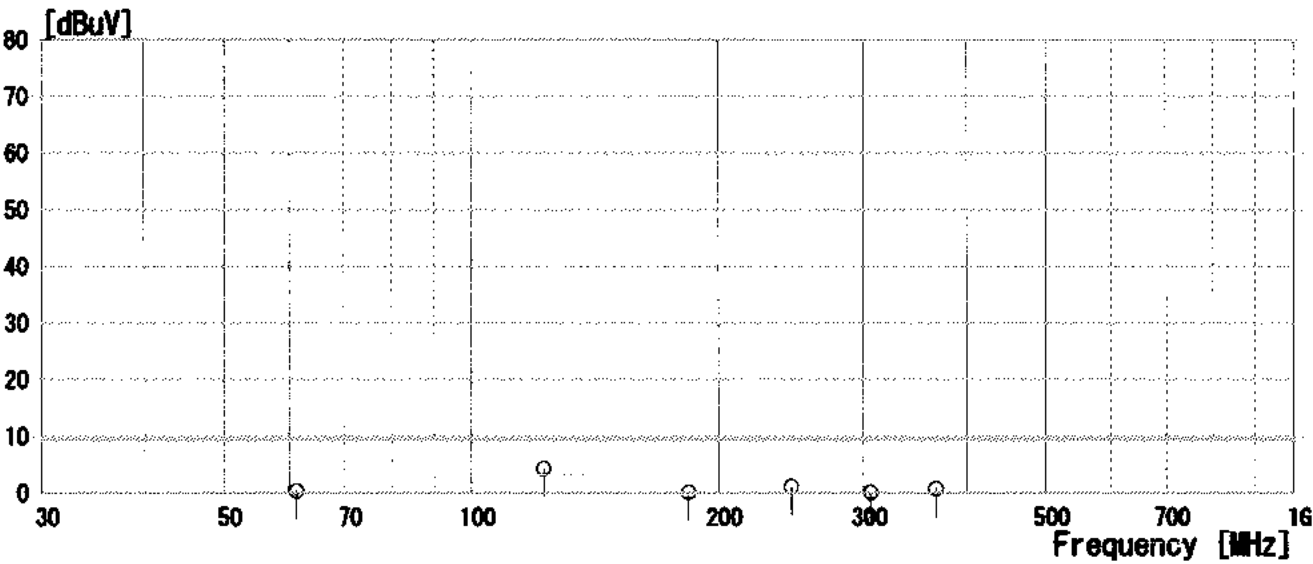
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : DVD Play  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 3CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Tetsuya Takayama

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | QP      | AV    |                   | QP     | AV    | QP     | AV    | QP     | AV    |
|     |               | [dBuV]  |       |                   | [dBuV] |       | [dBuV] |       | [dB]   |       |
| 1   | 61.250        | 22.1    | ----- | -21.7             | 0.4    | ----- | 9.5    | ----- | 9.1    | ----- |
| 2   | 122.500       | 25.8    | ----- | -21.4             | 4.4    | ----- | 9.5    | ----- | 5.1    | ----- |
| 3   | 183.750       | 21.5    | ----- | -21.3             | 0.2    | ----- | 9.5    | ----- | 9.3    | ----- |
| 4   | 245.000       | 22.4    | ----- | -21.3             | 1.1    | ----- | 9.5    | ----- | 8.4    | ----- |
| 5   | 306.250       | 21.4    | ----- | -21.3             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |
| 6   | 367.500       | 22.1    | ----- | -21.3             | 0.8    | ----- | 9.5    | ----- | 8.7    | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

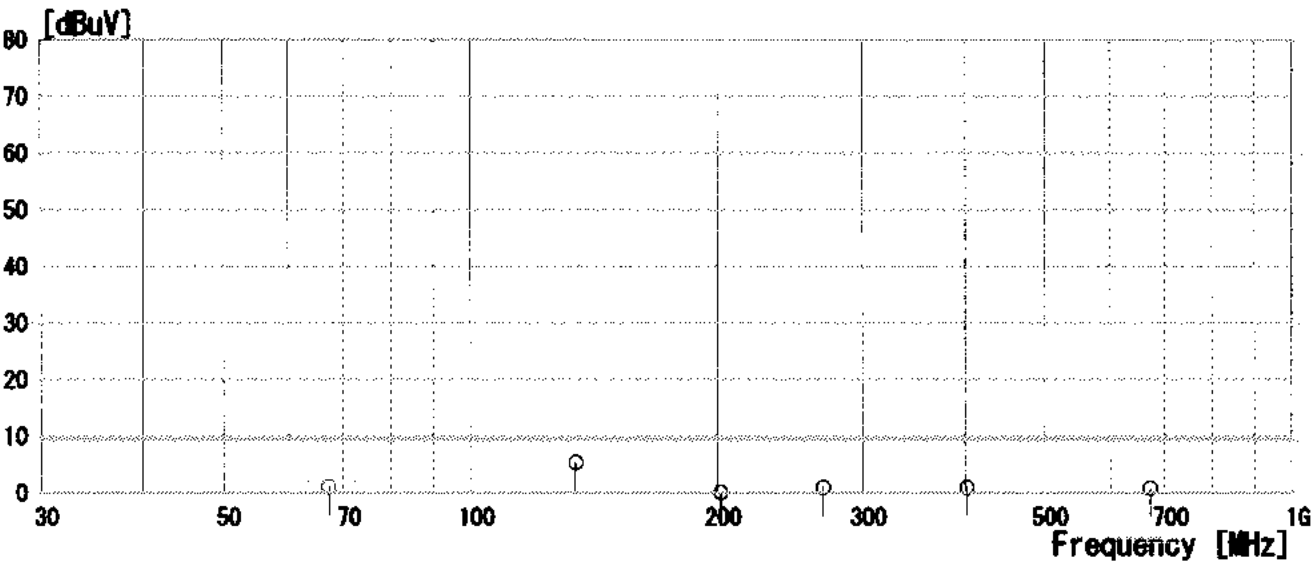
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : AV Input 1 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Eng. Masahiro Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBμV]  |    |                   | [dBμV] |    | [dBμV] |    | [dB]   |    |
| 1   | 67.250        | 22.8    | —  | -21.7             | 1.1    | —  | 9.5    | —  | 8.4    | —  |
| 2   | 134.500       | 26.8    | —  | -21.4             | 5.4    | —  | 9.5    | —  | 4.1    | —  |
| 3   | 201.750       | 21.4    | —  | -21.3             | 0.1    | —  | 9.5    | —  | 9.4    | —  |
| 4   | 269.000       | 22.2    | —  | -21.2             | 1.0    | —  | 9.5    | —  | 8.5    | —  |
| 5   | 402.500       | 22.3    | —  | -21.3             | 1.0    | —  | 9.5    | —  | 8.5    | —  |
| 6   | 672.500       | 22.0    | —  | -21.2             | 0.8    | —  | 9.5    | —  | 8.7    | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

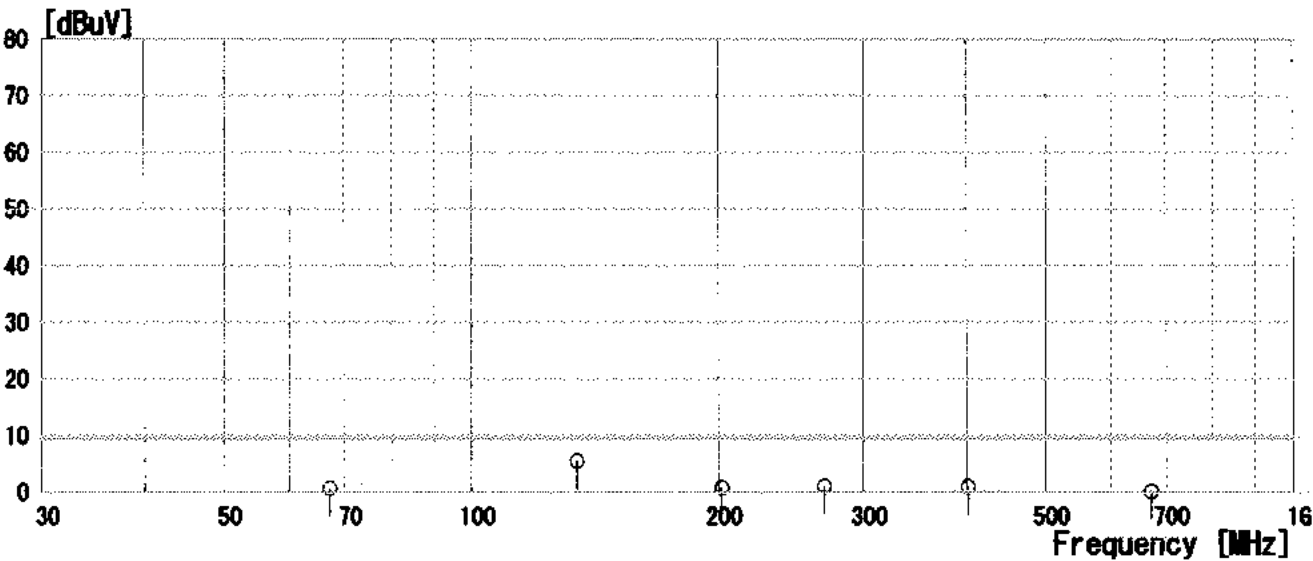
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PY-D744S  
Operation Mode : AV Input 1 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YM-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer: Isomasa Takayama

| No. | FREQ<br>[MHz] | READING |       | C. FACTOR<br>[dB] | RESULT |       | LIMIT  |       | MARGIN |       |
|-----|---------------|---------|-------|-------------------|--------|-------|--------|-------|--------|-------|
|     |               | QP      | AV    |                   | QP     | AV    | QP     | AV    | QP     | AV    |
|     |               | [dBuV]  |       |                   | [dBuV] |       | [dBuV] |       | [dB]   |       |
| 1   | 67.250        | 22.4    | ----- | -21.7             | 0.7    | ----- | 9.5    | ----- | 8.8    | ----- |
| 2   | 134.500       | 26.9    | ----- | -21.4             | 5.5    | ----- | 9.5    | ----- | 4.0    | ----- |
| 3   | 201.750       | 22.1    | ----- | -21.3             | 0.8    | ----- | 9.5    | ----- | 8.7    | ----- |
| 4   | 269.000       | 22.3    | ----- | -21.2             | 1.1    | ----- | 9.5    | ----- | 8.4    | ----- |
| 5   | 402.500       | 22.3    | ----- | -21.3             | 1.0    | ----- | 9.5    | ----- | 8.5    | ----- |
| 6   | 672.500       | 21.3    | ----- | -21.2             | 0.1    | ----- | 9.5    | ----- | 9.4    | ----- |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

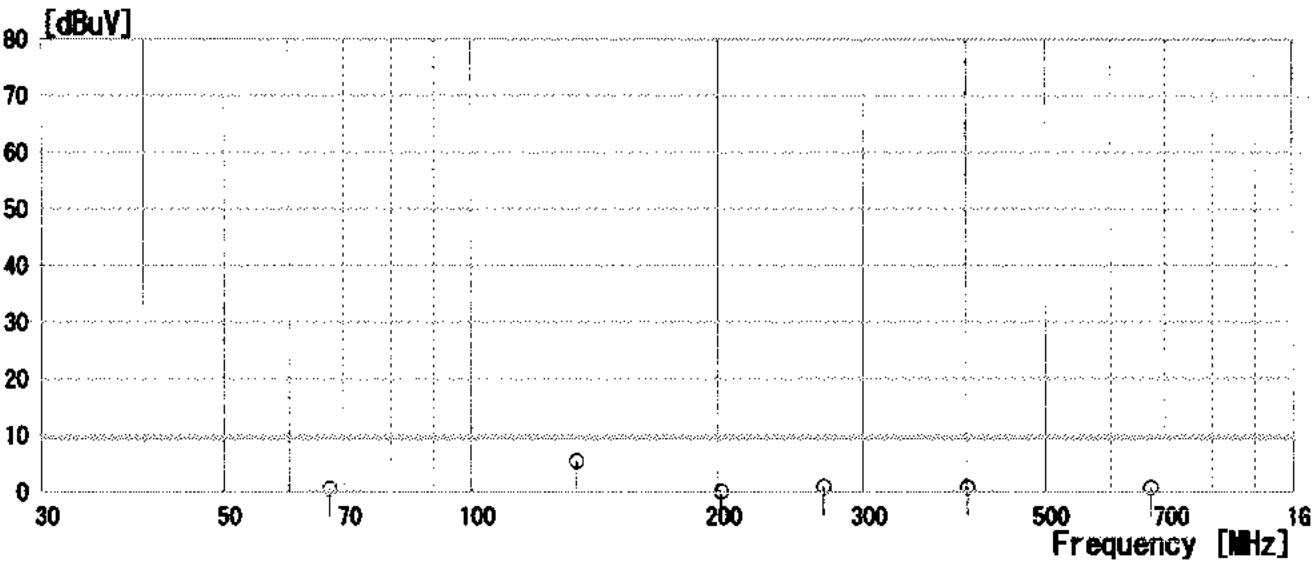
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : AV Input 2 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 1V p-p Input  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Isidoro Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT        |       | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|--------------|-------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP<br>[dBμV] | AV    | QP     | AV<br>[dB] |
| 1   | 67.250        | 22.3    | -----        | -21.7             | 0.6    | -----        | 9.5          | ----- | 8.9    | -----      |
| 2   | 134.500       | 26.9    | -----        | -21.4             | 5.5    | -----        | 9.5          | ----- | 4.0    | -----      |
| 3   | 201.750       | 21.4    | -----        | -21.3             | 0.1    | -----        | 9.5          | ----- | 9.4    | -----      |
| 4   | 269.000       | 22.2    | -----        | -21.2             | 1.0    | -----        | 9.5          | ----- | 8.5    | -----      |
| 5   | 402.500       | 22.2    | -----        | -21.3             | 0.9    | -----        | 9.5          | ----- | 8.6    | -----      |
| 6   | 672.500       | 22.0    | -----        | -21.2             | 0.8    | -----        | 9.5          | ----- | 8.7    | -----      |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

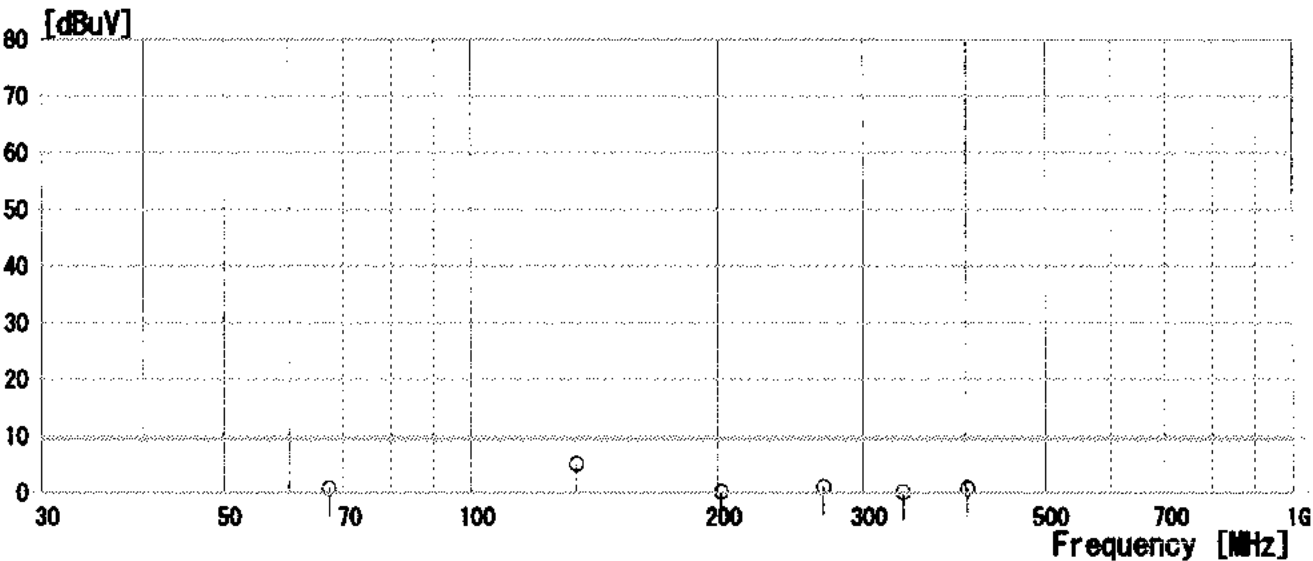
Company : Orion Electric Co., Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : AV Input 2 + Rec  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : 5V p-p Input  
Remarks 2 : 4CH Output

Rport No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B

Engineer : Isuhara Takayama

| No. | FREQ<br>[MHz] | READING |    | C. FACTOR<br>[dB] | RESULT |    | LIMIT  |    | MARGIN |    |
|-----|---------------|---------|----|-------------------|--------|----|--------|----|--------|----|
|     |               | QP      | AV |                   | QP     | AV | QP     | AV | QP     | AV |
|     |               | [dBuV]  |    |                   | [dBuV] |    | [dBuV] |    | [dB]   |    |
| 1   | 67.250        | 22.5    | —  | -21.7             | 0.8    | —  | 9.5    | —  | 8.7    | —  |
| 2   | 134.500       | 26.5    | —  | -21.4             | 5.1    | —  | 9.5    | —  | 4.4    | —  |
| 3   | 201.750       | 21.5    | —  | -21.3             | 0.2    | —  | 9.5    | —  | 9.3    | —  |
| 4   | 269.000       | 22.3    | —  | -21.2             | 1.1    | —  | 9.5    | —  | 8.4    | —  |
| 5   | 336.250       | 21.4    | —  | -21.3             | 0.1    | —  | 9.5    | —  | 9.4    | —  |
| 6   | 402.500       | 22.1    | —  | -21.3             | 0.8    | —  | 9.5    | —  | 8.7    | —  |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

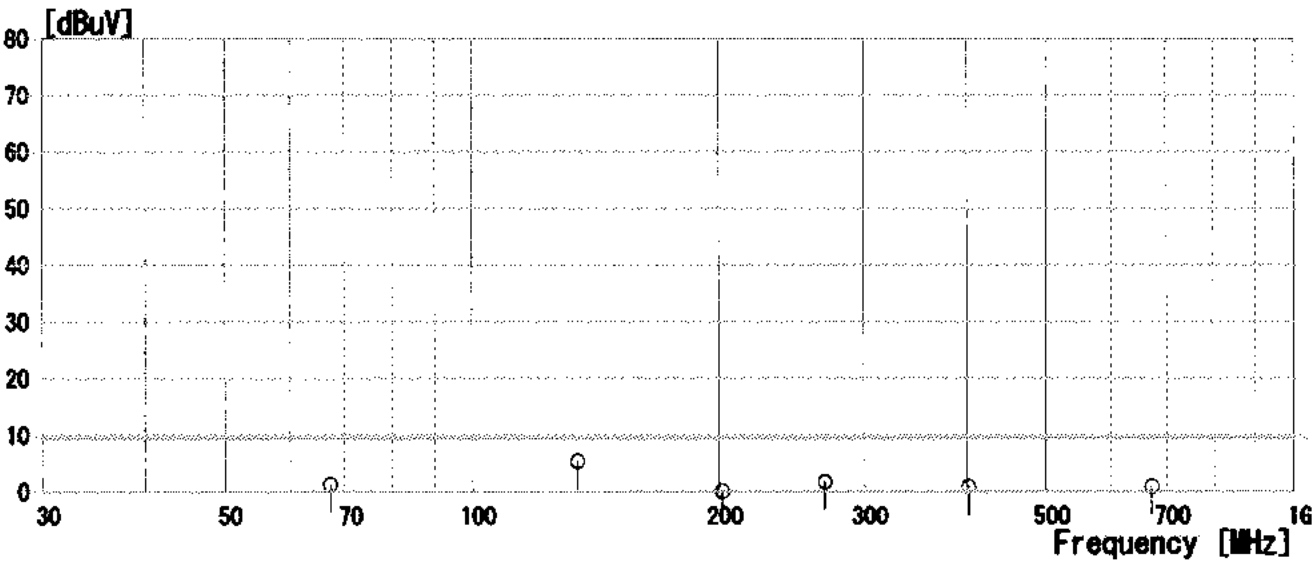
UL Apex Co.,Ltd.  
Yokohama EMC Laboratory

Company : Orion Electric Co.,Ltd.  
Equipment : DVD Player and VCR  
Model Name : PV-D744S  
Operation Mode : VCR Playback  
Port : RF Input Terminal  
Power : AC120V/60Hz  
Remarks 1 : -  
Remarks 2 : 4CH Output

Report No. : 23LE0123-YW-1  
Date : July 29, 2003  
Regulation : FCC Part15 Subpart B  
  
Engineer : Tetsuya Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBuV] |                   | QP     | AV<br>[dBuV] | QP    | AV<br>[dBuV] | QP     | AV<br>[dB] |
| 1   | 67.250        | 23.0    | -----        | -21.7             | 1.3    | -----        | 9.5   | -----        | 8.2    | -----      |
| 2   | 134.500       | 26.8    | -----        | -21.4             | 5.4    | -----        | 9.5   | -----        | 4.1    | -----      |
| 3   | 201.750       | 21.4    | -----        | -21.3             | 0.1    | -----        | 9.5   | -----        | 9.4    | -----      |
| 4   | 269.000       | 23.0    | -----        | -21.2             | 1.8    | -----        | 9.5   | -----        | 7.7    | -----      |
| 5   | 402.500       | 22.2    | -----        | -21.3             | 0.9    | -----        | 9.5   | -----        | 8.6    | -----      |
| 6   | 672.500       | 22.1    | -----        | -21.2             | 0.9    | -----        | 9.5   | -----        | 8.6    | -----      |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



DATA OF ANTENNA TRANSFER SWITCH

UL Apex Co., Ltd.  
Yokohama EMC Laboratory

Company : Orion Electric Co., Ltd.

Equipment : DVD Player and VCR

Model Name : PV-D744S

Operation Mode : DVD Play

Port : RF Input Terminal

Power : AC120V/60Hz

Remarks 1 : -

Remarks 2 : 4CH Output

Report No. : 23LE0123-YW-1

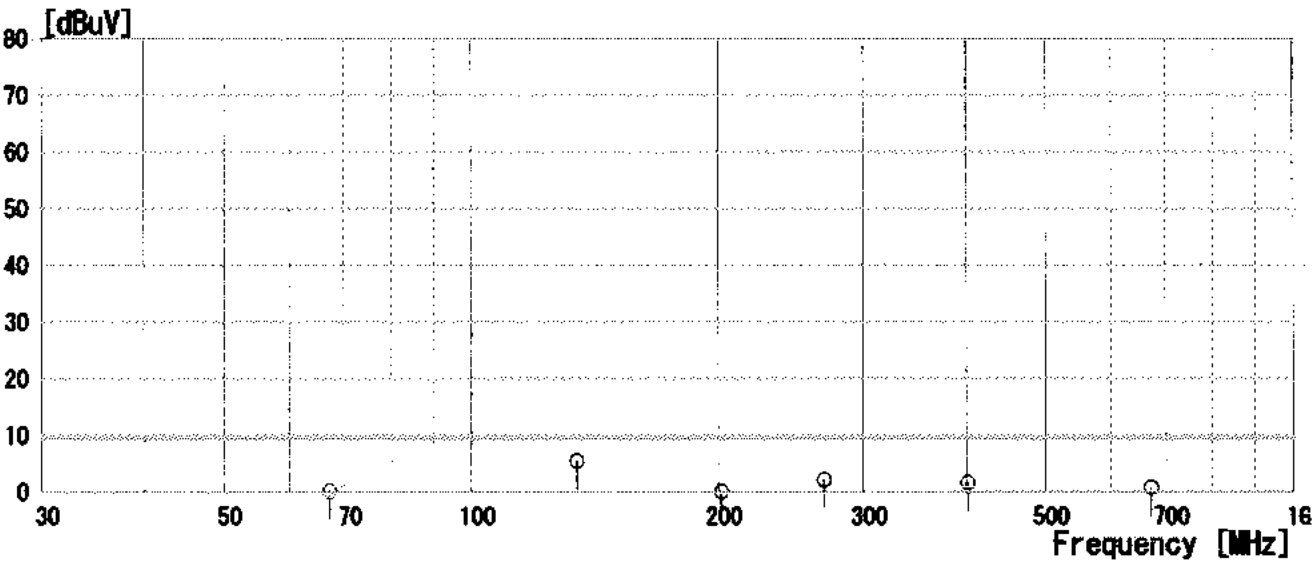
Date : July 29, 2003

Regulation : FCC Part15 Subpart B

Engineer : Takayama

| No. | FREQ<br>[MHz] | READING |              | C. FACTOR<br>[dB] | RESULT |              | LIMIT |              | MARGIN |            |
|-----|---------------|---------|--------------|-------------------|--------|--------------|-------|--------------|--------|------------|
|     |               | QP      | AV<br>[dBμV] |                   | QP     | AV<br>[dBμV] | QP    | AV<br>[dBμV] | QP     | AV<br>[dB] |
| 1   | 67.250        | 21.9    |              | -21.7             | 0.2    |              | 9.5   |              | 9.3    |            |
| 2   | 134.500       | 26.9    |              | -21.4             | 5.5    |              | 9.5   |              | 4.0    |            |
| 3   | 201.750       | 21.4    |              | -21.3             | 0.1    |              | 9.5   |              | 9.4    |            |
| 4   | 269.000       | 23.4    |              | -21.2             | 2.2    |              | 9.5   |              | 7.3    |            |
| 5   | 402.500       | 23.0    |              | -21.3             | 1.7    |              | 9.5   |              | 7.8    |            |
| 6   | 672.500       | 22.0    |              | -21.2             | 0.8    |              | 9.5   |              | 8.7    |            |

CALCULATION: READING + CORRECTION FACTOR  
CORRECTION FACTOR = MATCHING PAD LOSS 7.8[dBμV]  
+ CABLE LOSS[dBμV] - AMPLIFIER GAIN[dBμV]



Picture sensitivity test

UL Apex Co., Ltd.  
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.

Equipment : DVD/VCR

Model number : PV-D744S

Power : AC 120 V / 60 Hz

Description : TV Reception

Report Number : 23LE0123-YW-1

Regulation : FCC Part 15B Subpart B

Date : July 29, 2003

Temp./Humid. : 22°C/71%

Engineer : Tsubasa Takayama

| Ch.                                                                           | Frequency | Sensitivity |      | Ch.         | Frequency | Sensitivity |      |
|-------------------------------------------------------------------------------|-----------|-------------|------|-------------|-----------|-------------|------|
| [VHF]                                                                         | [MHz]     | [dBμV]      | [μV] | [UHF]       | [MHz]     | [dBμV]      | [μV] |
| 2                                                                             | 55.25     | 20.0        | 10.0 | 14          | 471.25    | 23.4        | 14.8 |
| 3                                                                             | 61.25     | 19.4        | 9.3  | 20          | 507.25    | 23.4        | 14.8 |
| 4                                                                             | 67.25     | 18.9        | 8.8  | 26          | 543.25    | 23.4        | 14.8 |
| 5                                                                             | 77.25     | 18.8        | 8.7  | 32          | 579.25    | 23.8        | 15.5 |
| 6                                                                             | 83.25     | 19.6        | 9.5  | 38          | 615.25    | 23.1        | 14.3 |
| 7                                                                             | 175.25    | 21.0        | 11.2 | 44          | 651.25    | 23.0        | 14.1 |
| 8                                                                             | 181.25    | 21.0        | 11.2 | 50          | 687.25    | 22.0        | 12.6 |
| 9                                                                             | 187.25    | 21.3        | 11.6 | 56          | 723.25    | 21.1        | 11.4 |
| 10                                                                            | 193.25    | 20.9        | 11.1 | 62          | 759.25    | 21.1        | 11.4 |
| 11                                                                            | 199.25    | 20.5        | 10.6 | 69          | 801.25    | 21.8        | 12.3 |
| 12                                                                            | 205.25    | 20.9        | 11.1 | -           | -         | -           | -    |
| 13                                                                            | 211.25    | 20.6        | 10.7 | -           | -         | -           | -    |
| Average VHF                                                                   |           |             | 10.3 | Average UHF |           |             | 13.6 |
| Average UHF/VHF : $20 \log \text{UHF}[\mu\text{V}]/\text{VHF}[\mu\text{V}] =$ |           |             |      | 2.4         | dB        |             |      |
| [Limit : 8.0 dB]                                                              |           |             |      |             |           |             |      |

Noise figure test

UL Apex Co., Ltd.  
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.

Equipment : DVD/VCR

Model number : PV-D744S

Power : AC 120 V / 60 Hz

Description : TV Reception

Report Number : 23LE0123-YW-1

Regulation : FCC Part 15 Subpart B

Date : July 29, 2003

Temp./Humid. : 22°C/71%

Engineer :  Tsubasa Takayama

| Ch.                | Frequency<br>[MHz] | Meter reading<br>[dB] | Correction factor<br>[dB] | Noise figure<br>[dB] | Limits<br>[dB] | Margin<br>[dB] |
|--------------------|--------------------|-----------------------|---------------------------|----------------------|----------------|----------------|
| TV VHF Fundamental |                    |                       |                           |                      |                |                |
| 2                  | 55.25              | 3.9                   | 0.2                       | 3.7                  | 14.0           | 10.3           |
| 3                  | 61.25              | 3.3                   | 0.2                       | 3.1                  | 14.0           | 10.9           |
| 4                  | 67.25              | 2.9                   | 0.2                       | 2.7                  | 14.0           | 11.3           |
| 5                  | 77.25              | 2.4                   | 0.2                       | 2.2                  | 14.0           | 11.8           |
| 6                  | 83.25              | 3.4                   | 0.2                       | 3.2                  | 14.0           | 10.8           |
| 7                  | 175.25             | 4.5                   | 0.2                       | 4.3                  | 14.0           | 9.7            |
| 8                  | 181.25             | 4.6                   | 0.2                       | 4.4                  | 14.0           | 9.6            |
| 9                  | 187.25             | 4.4                   | 0.2                       | 4.2                  | 14.0           | 9.8            |
| 10                 | 193.25             | 4.2                   | 0.2                       | 4.0                  | 14.0           | 10.0           |
| 11                 | 199.25             | 4.1                   | 0.2                       | 3.9                  | 14.0           | 10.1           |
| 12                 | 205.25             | 4.0                   | 0.2                       | 3.8                  | 14.0           | 10.2           |
| 13                 | 211.25             | 3.8                   | 0.2                       | 3.6                  | 14.0           | 10.4           |
| TV UHF Fundamental |                    |                       |                           |                      |                |                |
| 14                 | 471.25             | 6.2                   | 0.3                       | 5.9                  | 14.0           | 8.1            |
| 20                 | 507.25             | 6.2                   | 0.3                       | 5.9                  | 14.0           | 8.1            |
| 26                 | 543.25             | 6.0                   | 0.3                       | 5.7                  | 14.0           | 8.3            |
| 32                 | 579.25             | 6.0                   | 0.3                       | 5.7                  | 14.0           | 8.3            |
| 38                 | 615.25             | 5.8                   | 0.3                       | 5.5                  | 14.0           | 8.5            |
| 44                 | 651.25             | 6.0                   | 0.3                       | 5.7                  | 14.0           | 8.3            |
| 50                 | 687.25             | 4.4                   | 0.3                       | 4.1                  | 14.0           | 9.9            |
| 56                 | 723.25             | 4.2                   | 0.4                       | 3.8                  | 14.0           | 10.2           |
| 62                 | 759.25             | 4.4                   | 0.4                       | 4.0                  | 14.0           | 10.0           |
| 69                 | 801.25             | 5.4                   | 0.4                       | 5.0                  | 14.0           | 9.0            |
| Mid-band           |                    |                       |                           |                      |                |                |
| 14                 | 121.25             | 3.3                   | 0.2                       | 3.1                  | 14.0           | 10.9           |
| 16                 | 133.25             | 6.6                   | 0.2                       | 6.4                  | 14.0           | 7.6            |
| 18                 | 145.25             | 5.7                   | 0.2                       | 5.5                  | 14.0           | 8.5            |
| 20                 | 157.25             | 5.1                   | 0.2                       | 4.9                  | 14.0           | 9.1            |
| 22                 | 169.25             | 4.7                   | 0.2                       | 4.5                  | 14.0           | 9.5            |
| Super-band         |                    |                       |                           |                      |                |                |
| 23                 | 217.25             | 3.8                   | 0.2                       | 3.6                  | 14.0           | 10.4           |
| 26                 | 235.25             | 3.6                   | 0.2                       | 3.4                  | 14.0           | 10.6           |
| 29                 | 253.25             | 3.5                   | 0.2                       | 3.3                  | 14.0           | 10.7           |
| 32                 | 271.25             | 3.4                   | 0.2                       | 3.2                  | 14.0           | 10.8           |
| 36                 | 295.25             | 3.4                   | 0.2                       | 3.2                  | 14.0           | 10.8           |

Test Report No :23LE0123-YW-1

APPENDIX 3  
Test Instruments

| Control No. | Instrument                                  | Manufacturer    | Model No.                                             | Test Item       | Calibration Date & Interval (month) |
|-------------|---------------------------------------------|-----------------|-------------------------------------------------------|-----------------|-------------------------------------|
| APVB101     | VIDEO BOOSTER                               | UL Apex         | -                                                     | RF, ATS         | -                                   |
| APTVG01     | TV Generator                                | Leader          | 408NPS                                                | RF, ATS         | Pre Check                           |
| APSPA04     | Spectrum Analyzer                           | Advantest       | R3265                                                 | AT, RF, ATS     | 2003/05/15 * 12                     |
| APMAT04     | Matching Pad                                | TME             | ZT-204                                                | PS, NF          | 2002/12/16 * 12                     |
| APMAT05     | Matching Pad                                | TME             | ZT-130                                                | AT, RF, ATS     | 2002/12/16 * 12                     |
| APNFM01     | Noise Figure Indicator                      | Elena           | ENF-2005                                              | NF              | 2002/08/27 * 24                     |
| APNFS01     | Noise Source                                | Elena           | MC1100                                                | NF              | -                                   |
| AV01-01     | Signal Generator                            | Rohde & Schwarz | SMY01                                                 | PS              | 2003/02/18 * 12                     |
| SS-05       | Digitalizing Oscilloscope                   | Sony Tektronix  | 2221                                                  | PS              | 2003/01/07 * 12                     |
| APBPT01     | Band pass filter                            | Erba Filter     | BP                                                    | PS              | Pre Check                           |
| APPRA01     | Pre Amplifier                               | Anritsu         | MA448A                                                | AT, RF, ATS     | 2002/09/11 * 12                     |
| APPRA05     | Pre Amplifier                               | Hewlett Packard | 2449B                                                 | AT              | 2002/12/05 * 12                     |
| APCBL-01    | Coaxial Cable                               | Fujikura        | 5D-2W                                                 | AT, RF, ATS     | 2003/01/12 * 12                     |
| APCBL-02    | Coaxial Cable                               | Fujikura        | 5D-2W                                                 | AT, RF, ATS     | 2003/01/12 * 12                     |
| OS-15       | Digital Humidity Indicator                  | SATO            | PC-5000TRH                                            | RF, ATS, PS, NF | 2003/05/09 * 12                     |
| LS-01       | LISN(MMNI)                                  | Rohde & Schwarz | ESH2-25                                               | CE              | 2002/11/05 * 12                     |
| LS-10       | LISN(MMNI)                                  | Schwarzbeck     | NSLK8127                                              | CE              | 2003/04/04 * 12                     |
| TA-03       | Terminator                                  | TME             | CT-01                                                 | CE              | 2003/04/30 * 12                     |
| TR-01       | Test Receiver                               | Rohde & Schwarz | ESHS20                                                | CE              | 2003/05/08 * 12                     |
| SA-07       | Spectrum Analyzer                           | Advantest       | R3273                                                 | CE              | 2002/12/10 * 12                     |
| CC-1S       | Yokawa No.1 shield coaxial(0.01MHz-1000MHz) | UL Apex         | CC-14,CC-15,CC-16,CC-18,CC-19,SW-11,SW-12             | CE              | 2003/03/28 * 12                     |
| OS-05       | Digital Humidity Indicator                  | SATO            | PC-5000TRH                                            | CE              | 2003/04/25 * 12                     |
| AF-01       | Pre Amplifier                               | Hewlett Packard | 8447D                                                 | RE, AT          | 2003/03/27 * 12                     |
| AT-06       | Attenuator                                  | Anritsu         | MP721B                                                | RE, AT          | 2003/03/27 * 12                     |
| AF-06       | Pre Amplifier                               | Agilent         | HP8449B                                               | RE              | 2002/12/20 * 12                     |
| BA-06       | Biconical Antenna                           | Schwarzbeck     | BBA9106                                               | RE              | 2003/02/06 * 12                     |
| HA-03       | Horn Antenna                                | Schwarzbeck     | BBA18170                                              | RE              | 2003/04/22 * 12                     |
| LA-07       | Loop Antenna                                | Schwarzbeck     | UKLP9140-A                                            | RE              | 2003/02/19 * 12                     |
| SA-06       | Spectrum Analyzer                           | Advantest       | R3273                                                 | RE, AT          | 2002/11/19 * 12                     |
| TR-06       | Test Receiver                               | Rohde & Schwarz | ESVS10                                                | RE              | 2002/11/22 * 12                     |
| CC-3ORC     | Yokawa 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              | 2003/03/28 * 12                     |
| CC-C15      | Microwave Cable                             | Suhner          | SUCOFLEX                                              | RE              | 2003/04/18 * 12                     |
| CC-C17      | Microwave Cable                             | Suhner          | SUCOFLEX                                              | RE              | 2003/05/01 * 12                     |
| YOATS-03    | Open Test Site                              | JSE             | 3m, 10m                                               | RE              | 2003/04/20 * 12                     |
| OS-16       | Digital Humidity Indicator                  | SATO            | PC-5000TRH                                            | RE              | 2003/05/14 * 12                     |
| OS-11       | Digital Humidity Indicator                  | SATO            | PC-5000TRH                                            | AT              | 2003/04/24 * 12                     |

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

UL Apex Co., Ltd.