

DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.1672	47.0	-	46.5	-	0.1	0.1	0.0	47.2	-	65.1	55.1	17.9	-
2.	0.3347	33.7	-	35.6	-	0.1	0.1	0.0	35.8	-	59.3	49.3	23.5	-
3.	0.5839	37.3	-	35.9	-	0.1	0.2	0.0	37.6	-	56.0	46.0	18.4	-
4.	0.8364	37.2	-	34.7	-	0.1	0.2	0.0	37.5	-	56.0	46.0	18.5	-
5.	1.0895	32.0	-	30.8	-	0.1	0.2	0.0	32.3	-	56.0	46.0	23.7	-
6.	2.4259	36.5	-	35.4	-	0.1	0.3	0.0	36.9	-	56.0	46.0	19.1	-
7.	28.6364	31.7	-	31.8	-	0.7	0.9	0.0	33.4	-	60.0	50.0	26.6	-

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

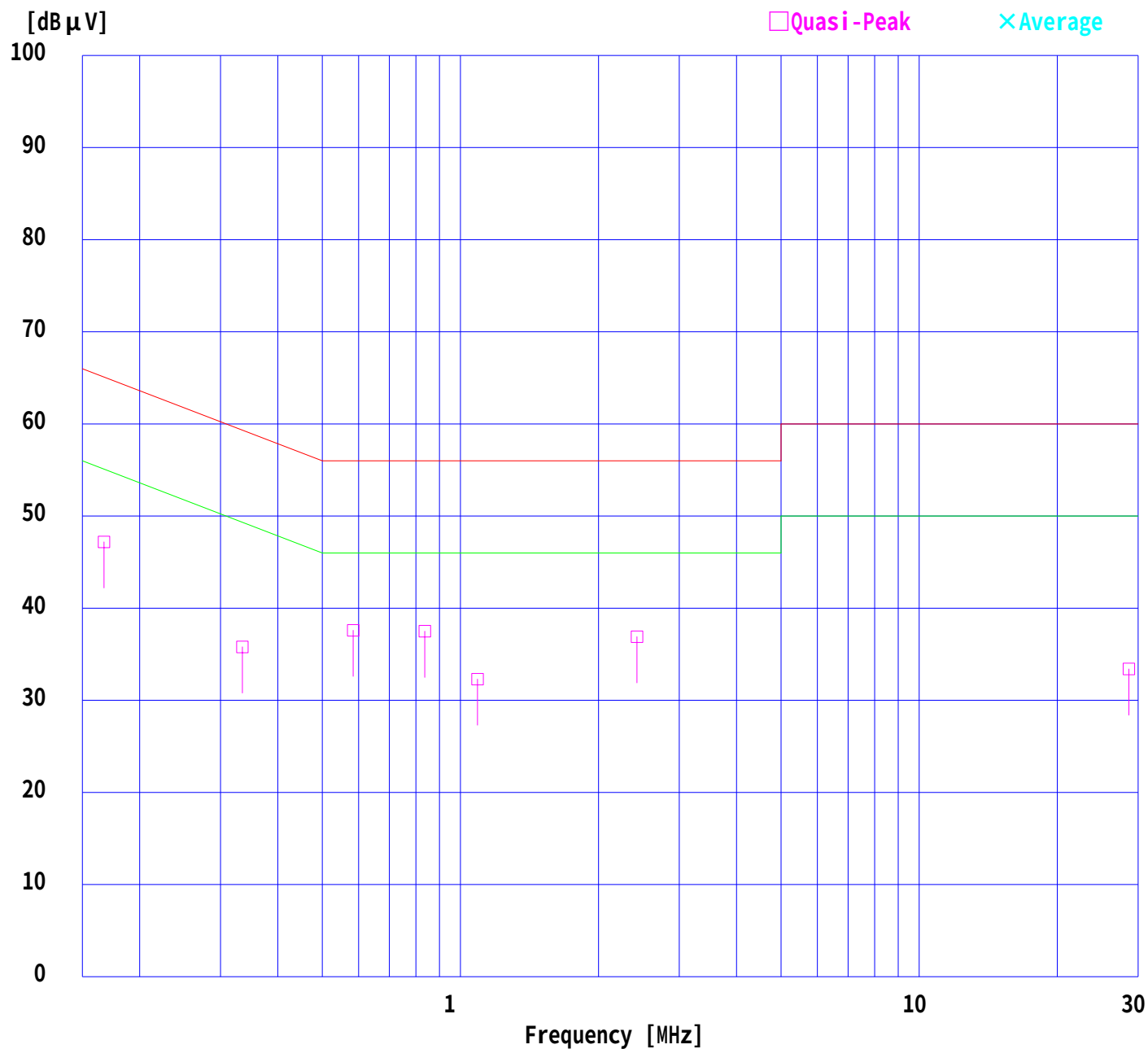
Except for the above table: adequate margin data below the limits.

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YOKOWA No.1 SHIELD TEST ROOM
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Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

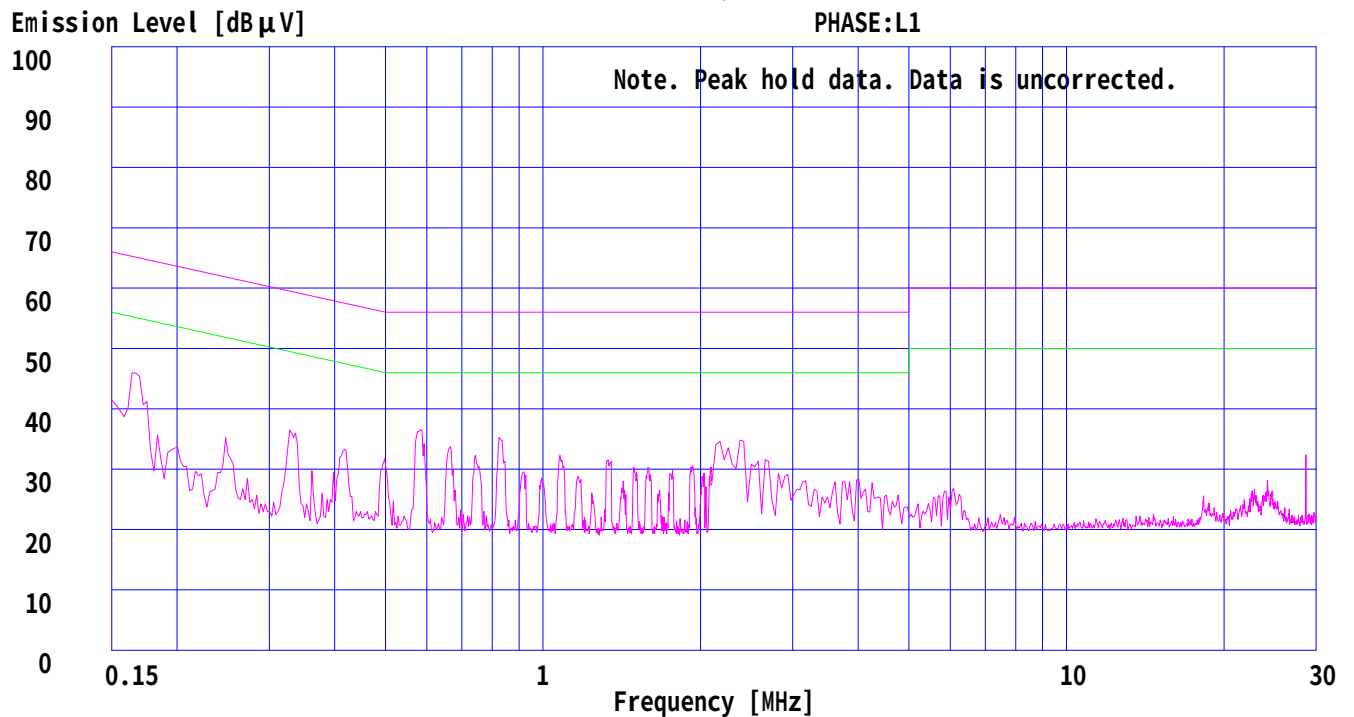
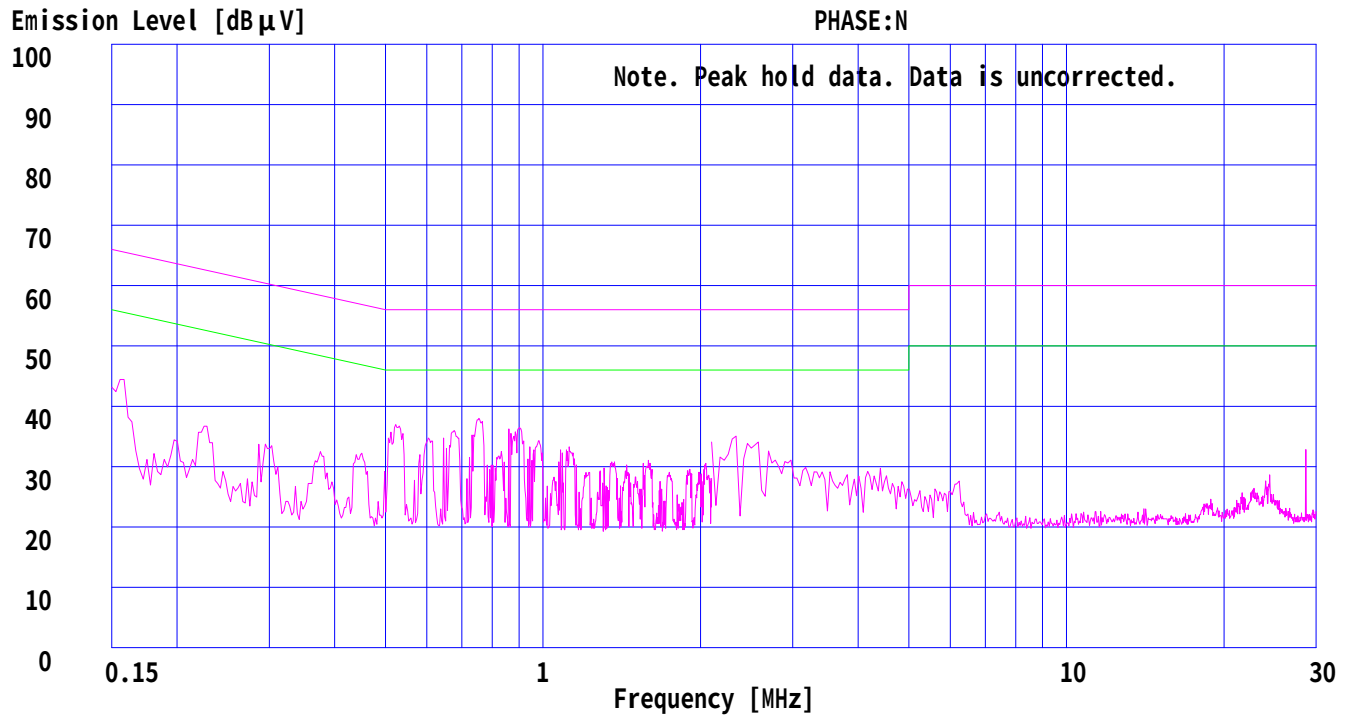
UL Apex Co., Ltd.

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Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



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UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.1691	48.4	-	46.2	-	0.1	0.1	0.0	48.6	-	65.0	55.0	16.4	-
2.	0.3373	33.2	-	35.7	-	0.1	0.1	0.0	35.9	-	59.3	49.3	23.4	-
3.	0.5925	36.4	-	36.0	-	0.1	0.2	0.0	36.7	-	56.0	46.0	19.3	-
4.	0.8453	37.5	-	34.5	-	0.1	0.2	0.0	37.8	-	56.0	46.0	18.2	-
5.	1.1010	32.7	-	30.7	-	0.1	0.2	0.0	33.0	-	56.0	46.0	23.0	-
6.	2.4467	34.5	-	35.5	-	0.1	0.3	0.0	35.9	-	56.0	46.0	20.1	-
7.	28.6347	31.1	-	31.1	-	0.7	0.9	0.0	32.7	-	60.0	50.0	27.3	-

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

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

DATA OF CONDUCTION TEST

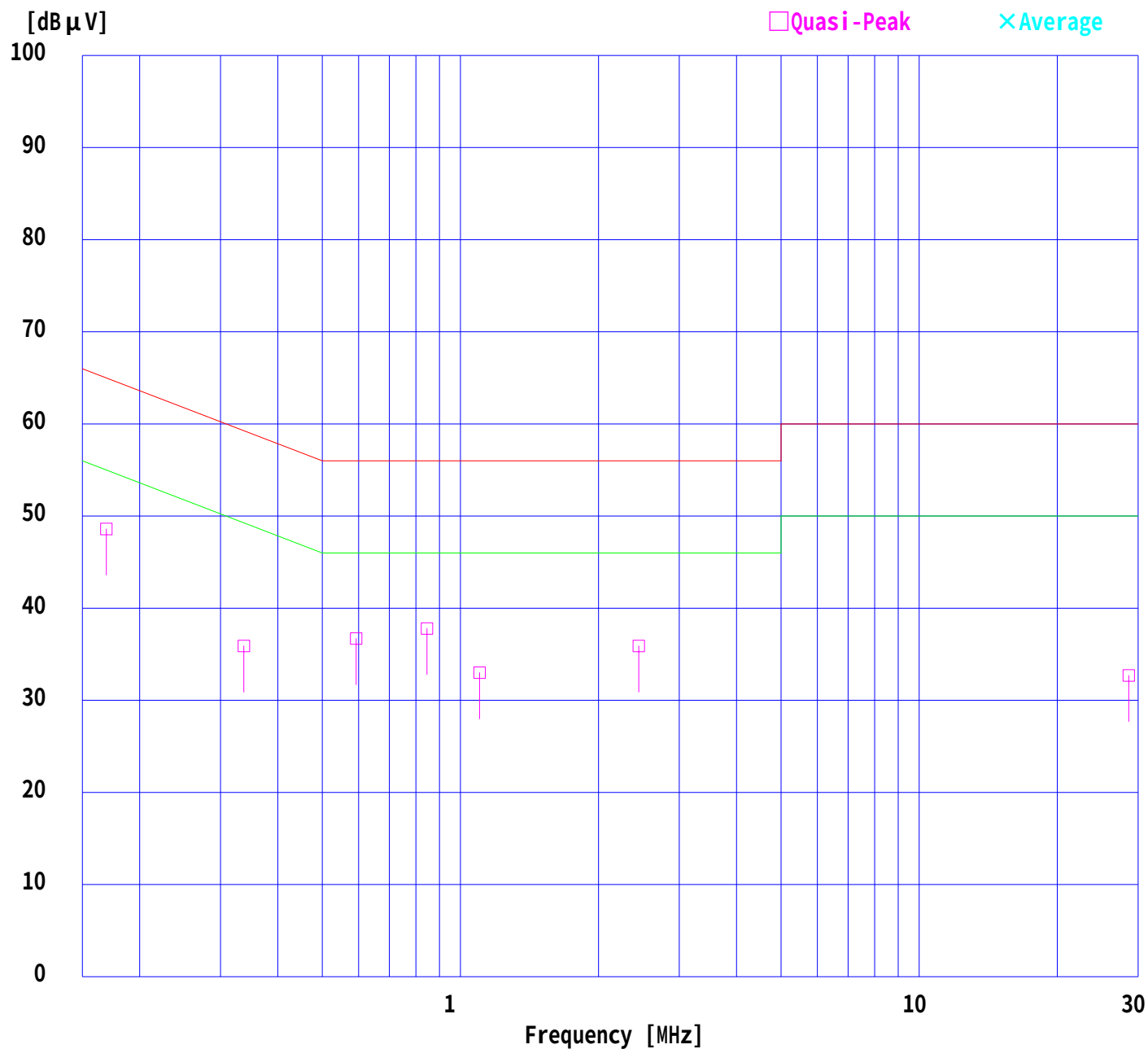
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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

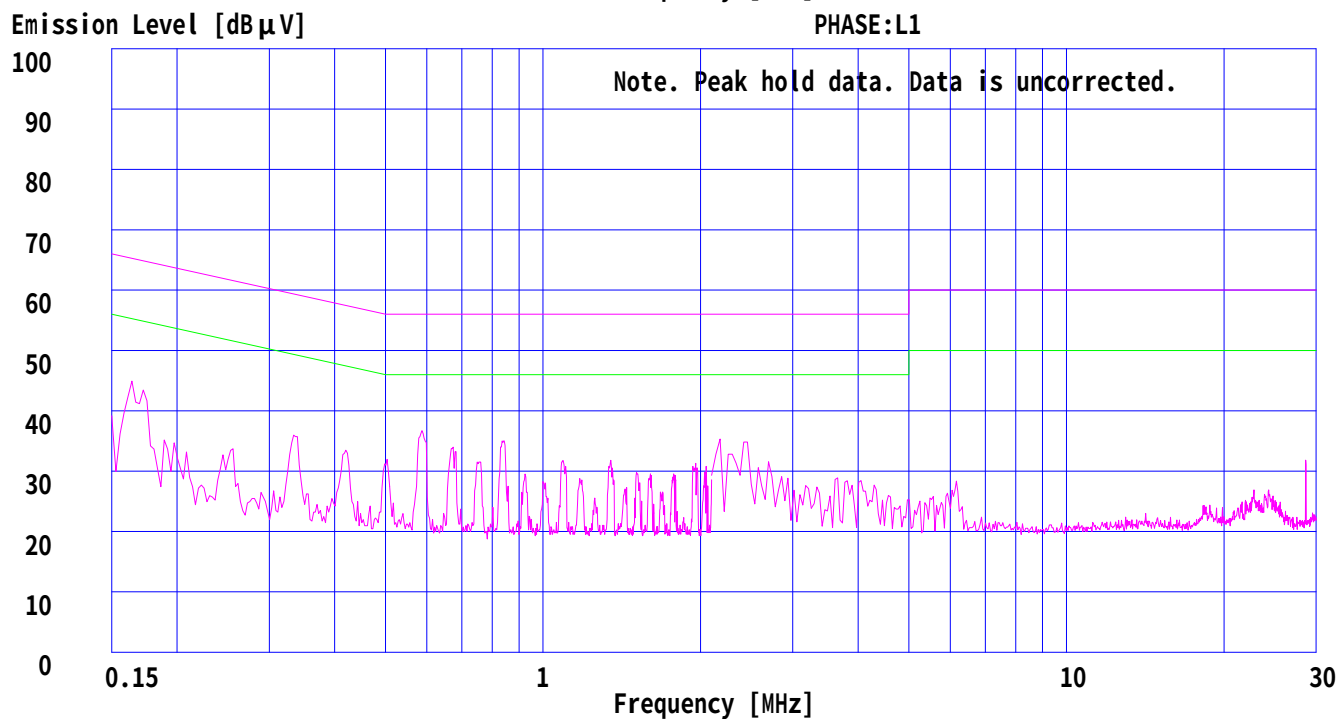
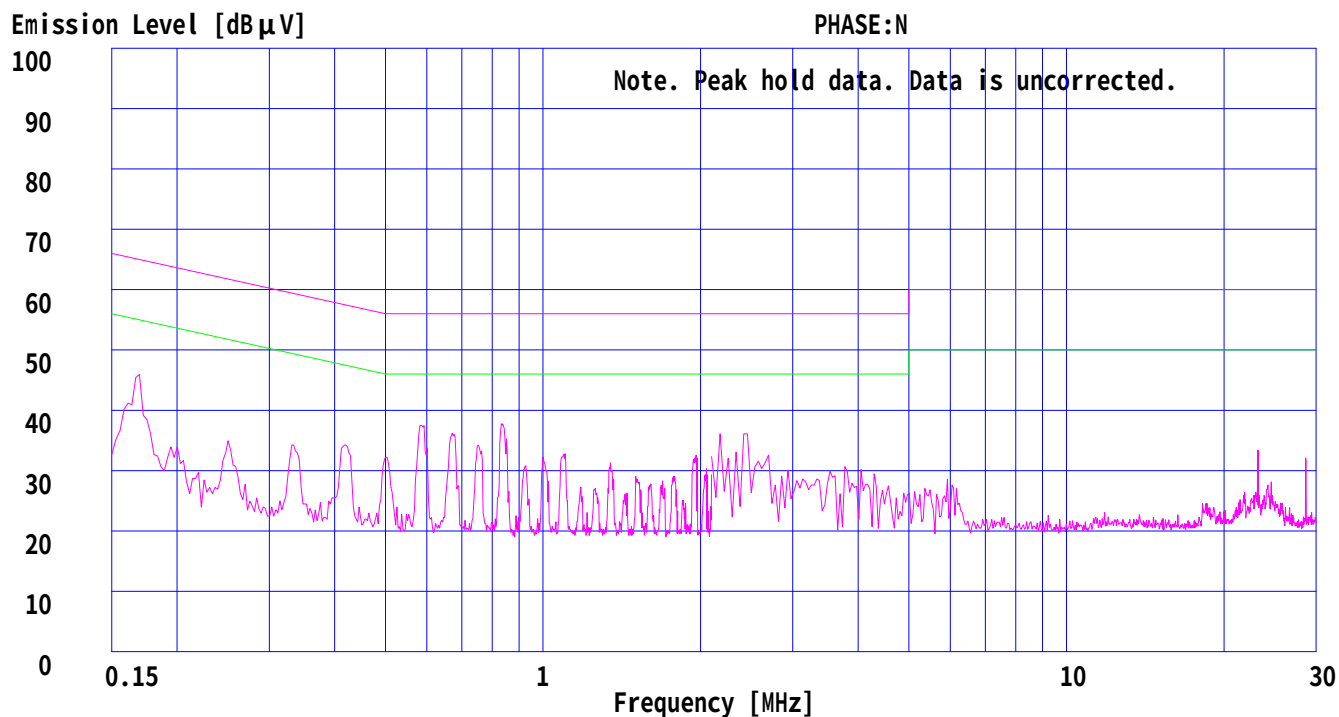
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Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

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YOKOWA No.1 SHIELD TEST ROOM

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Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 1Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB]
1.	0.2069	38.8	-	38.7	-	0.1	0.1	0.0	39.0	-	63.3	53.3	24.3	-
2.	0.4861	35.6	-	34.3	-	0.1	0.1	0.0	35.8	-	56.2	46.2	20.4	-
3.	0.6958	36.9	-	34.6	-	0.1	0.2	0.0	37.2	-	56.0	46.0	18.8	-
4.	0.8253	37.0	-	34.8	-	0.1	0.2	0.0	37.3	-	56.0	46.0	18.7	-
5.	1.4598	30.5	-	31.2	-	0.1	0.2	0.0	31.5	-	56.0	46.0	24.5	-
6.	2.4874	32.7	-	31.6	-	0.1	0.3	0.0	33.1	-	56.0	46.0	22.9	-
7.	28.6343	31.2	-	31.2	-	0.7	0.9	0.0	32.8	-	60.0	50.0	27.2	-

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

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

DATA OF CONDUCTION TEST

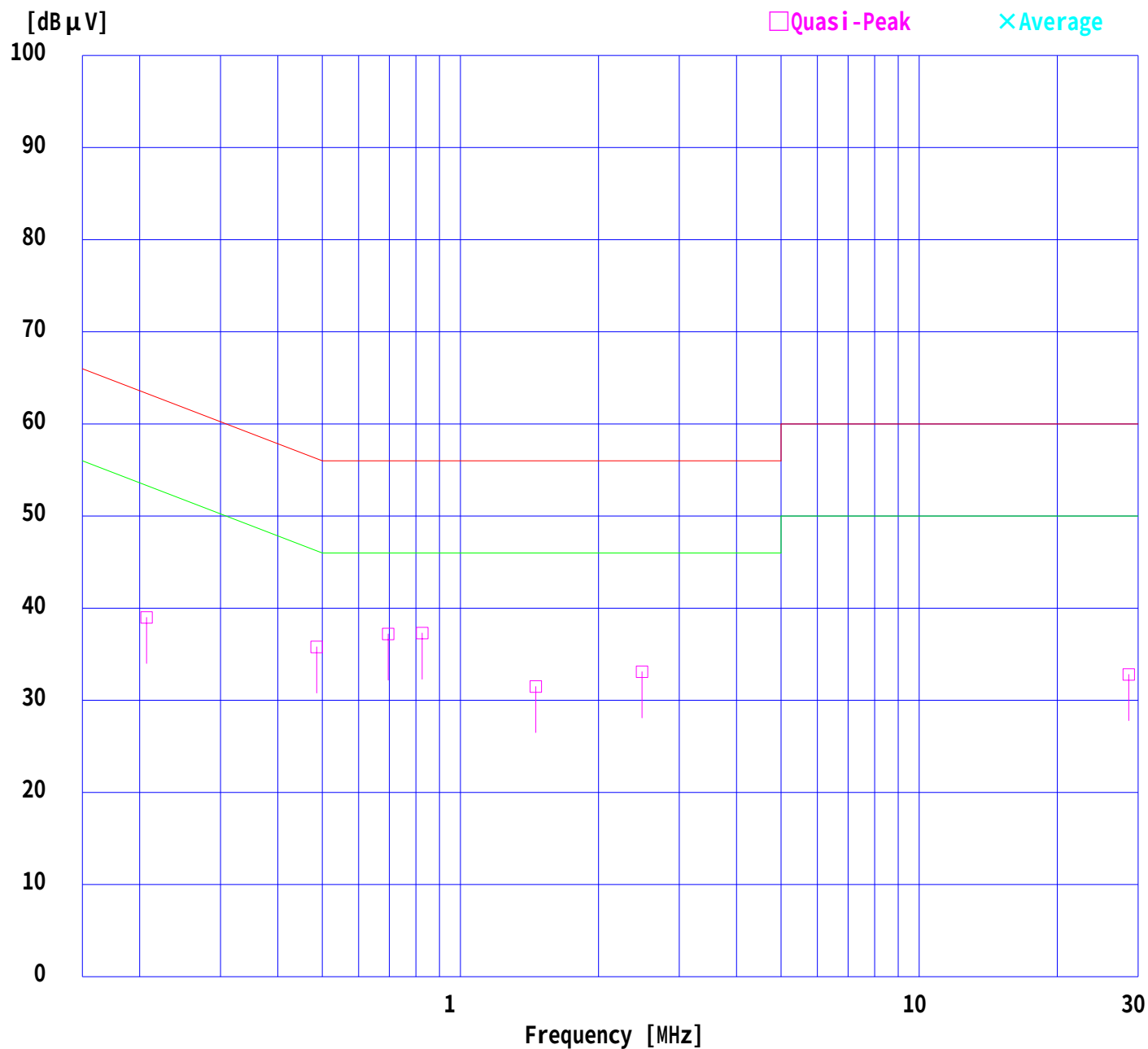
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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 1Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

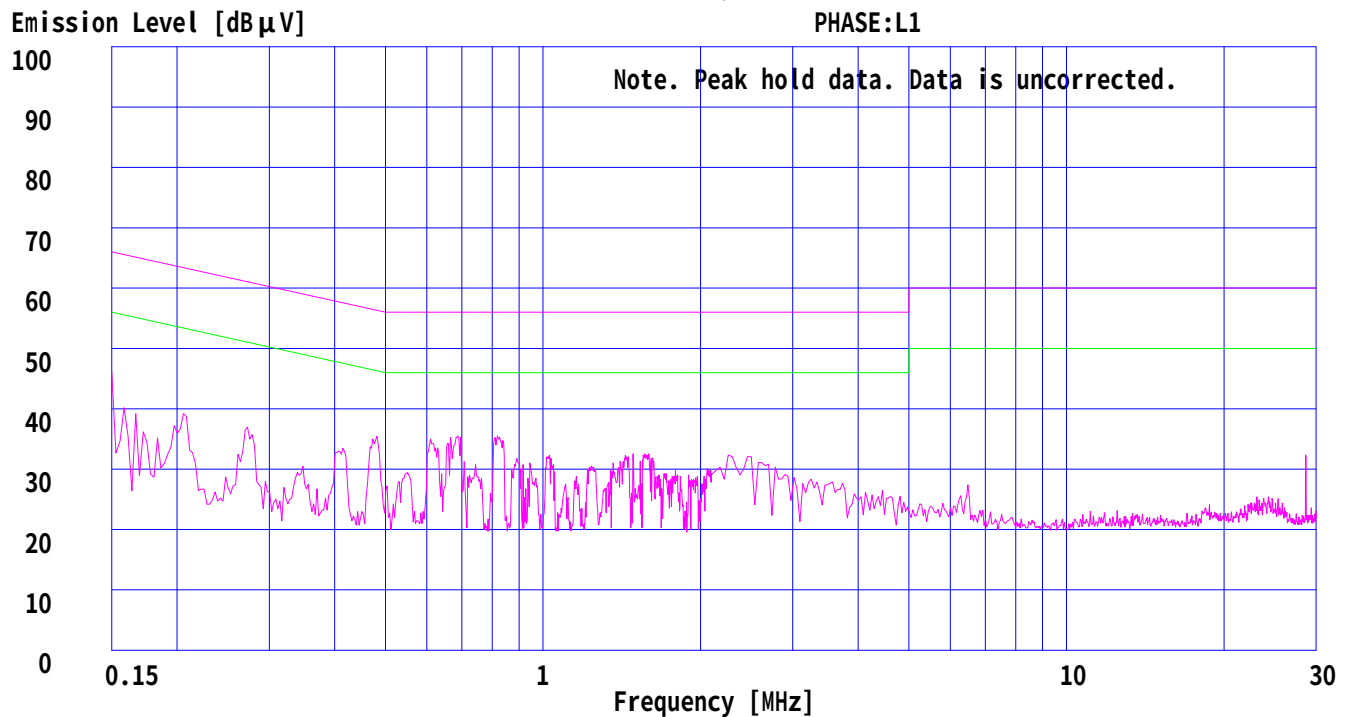
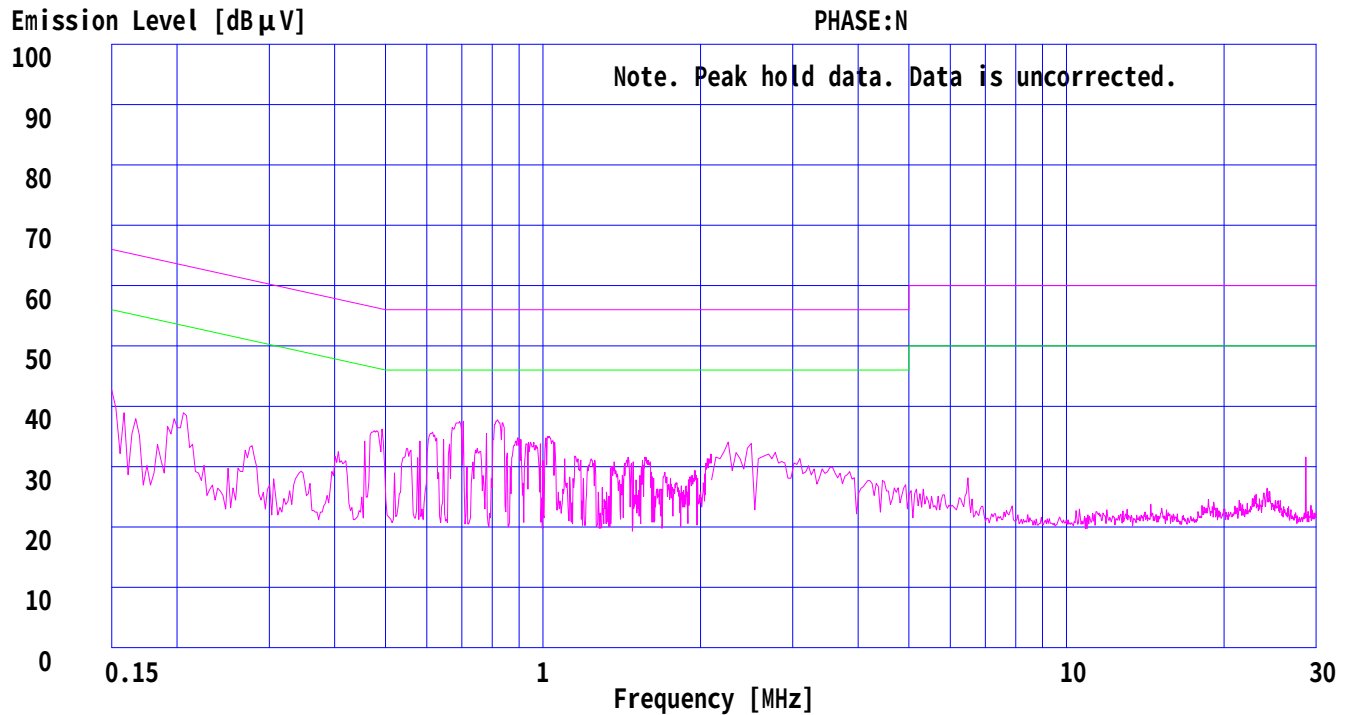
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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 1Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.2076	39.0	-	38.7	-	0.1	0.1	0.0	39.2	-	63.3	53.3	24.1	-
2.	0.4870	35.6	-	34.3	-	0.1	0.1	0.0	35.8	-	56.2	46.2	20.4	-
3.	0.7030	35.8	-	34.5	-	0.1	0.2	0.0	36.1	-	56.0	46.0	19.9	-
4.	0.8367	36.9	-	34.5	-	0.1	0.2	0.0	37.2	-	56.0	46.0	18.8	-
5.	1.5882	35.6	-	31.6	-	0.1	0.2	0.0	35.9	-	56.0	46.0	20.1	-
6.	2.4951	32.7	-	31.4	-	0.1	0.3	0.0	33.1	-	56.0	46.0	22.9	-
7.	28.6342	31.8	-	32.3	-	0.7	0.9	0.0	33.9	-	60.0	50.0	26.1	-

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

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

DATA OF CONDUCTION TEST

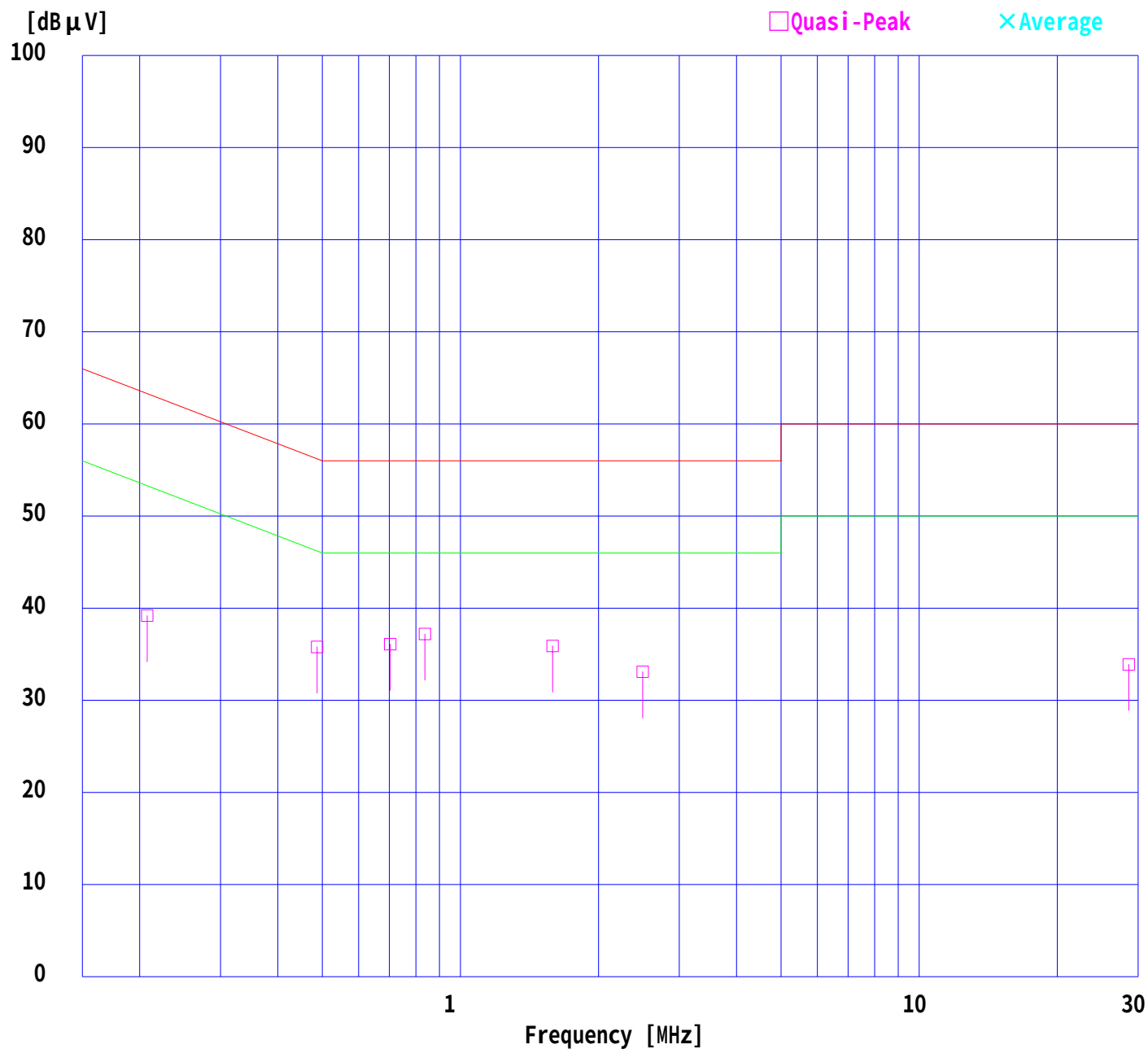
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Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p
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Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

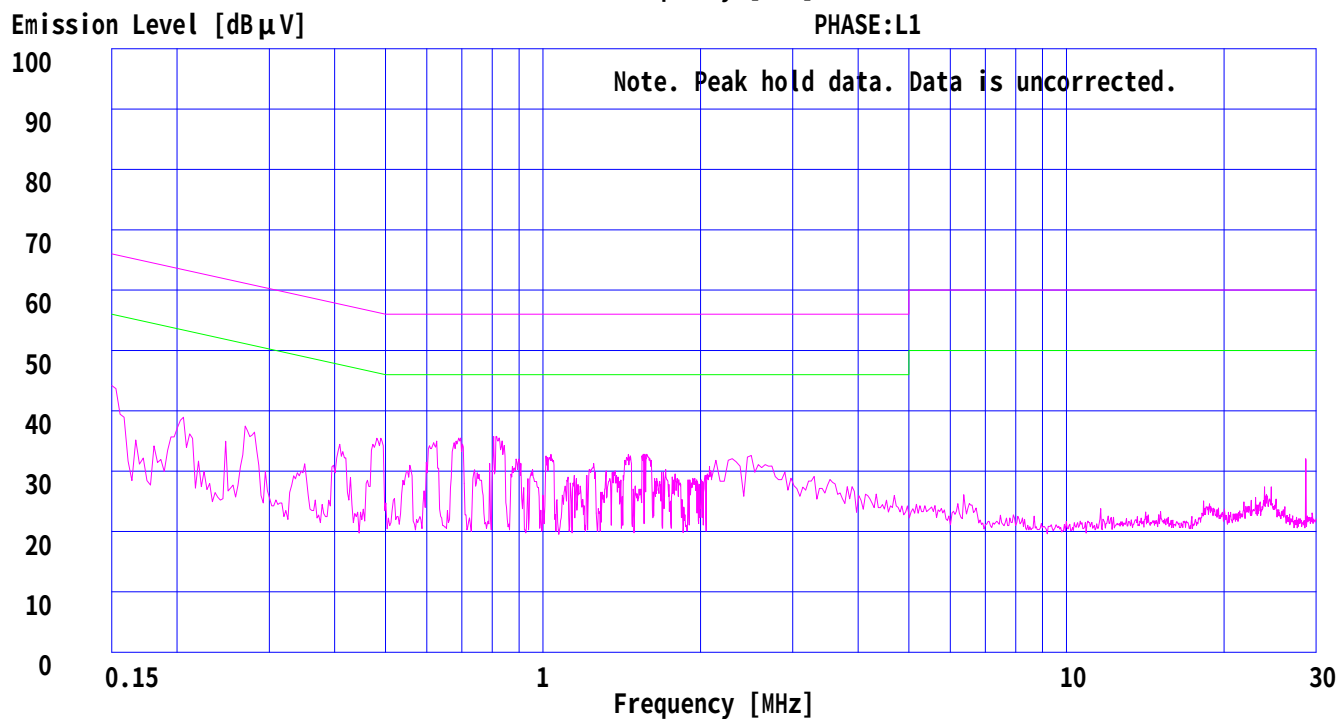
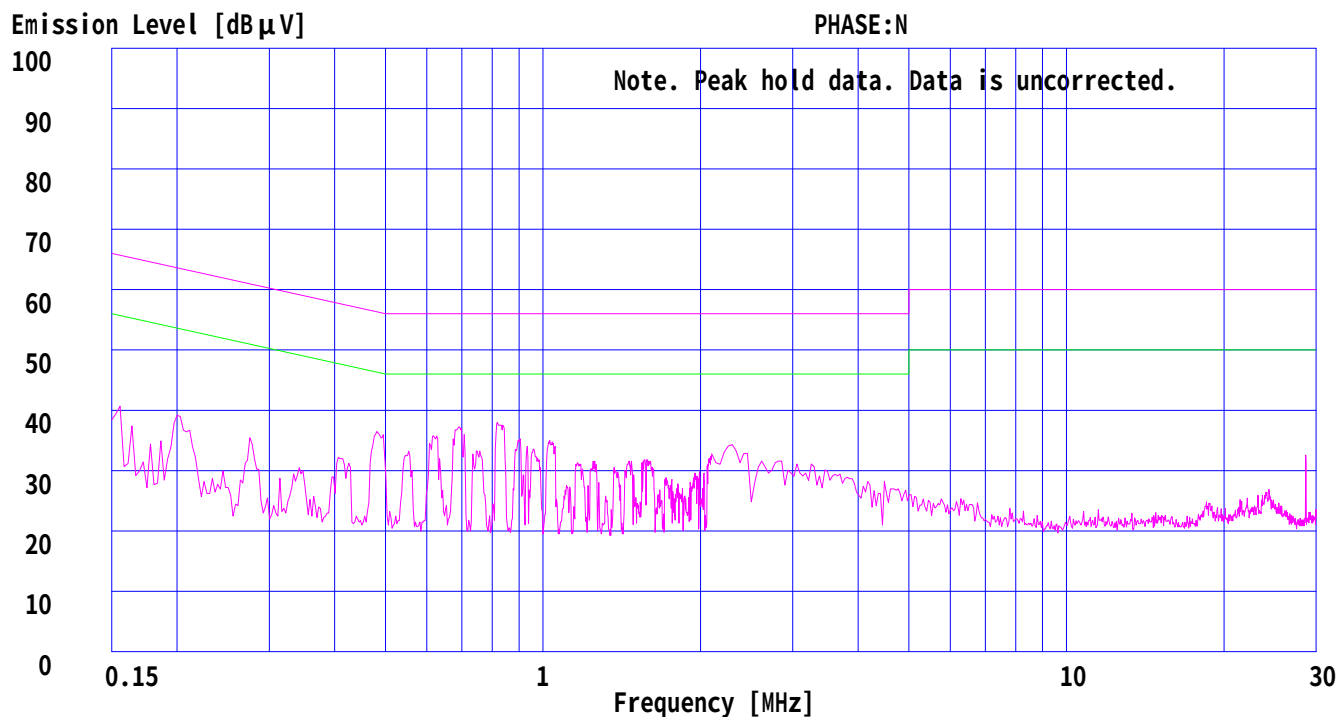
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Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

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Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 1Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.2064	39.0	-	38.7	-	0.1	0.1	0.0	39.2	-	63.3	53.3	24.1	-
2.	0.4872	35.8	-	34.4	-	0.1	0.1	0.0	36.0	-	56.2	46.2	20.2	-
3.	0.6910	36.7	-	35.0	-	0.1	0.2	0.0	37.0	-	56.0	46.0	19.0	-
4.	0.8245	37.4	-	35.1	-	0.1	0.2	0.0	37.7	-	56.0	46.0	18.3	-
5.	1.0384	34.2	-	31.8	-	0.1	0.2	0.0	34.5	-	56.0	46.0	21.5	-
6.	2.5099	33.7	-	31.6	-	0.1	0.3	0.0	34.1	-	56.0	46.0	21.9	-
7.	28.6352	31.3	-	31.1	-	0.7	0.9	0.0	32.9	-	60.0	50.0	27.1	-

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

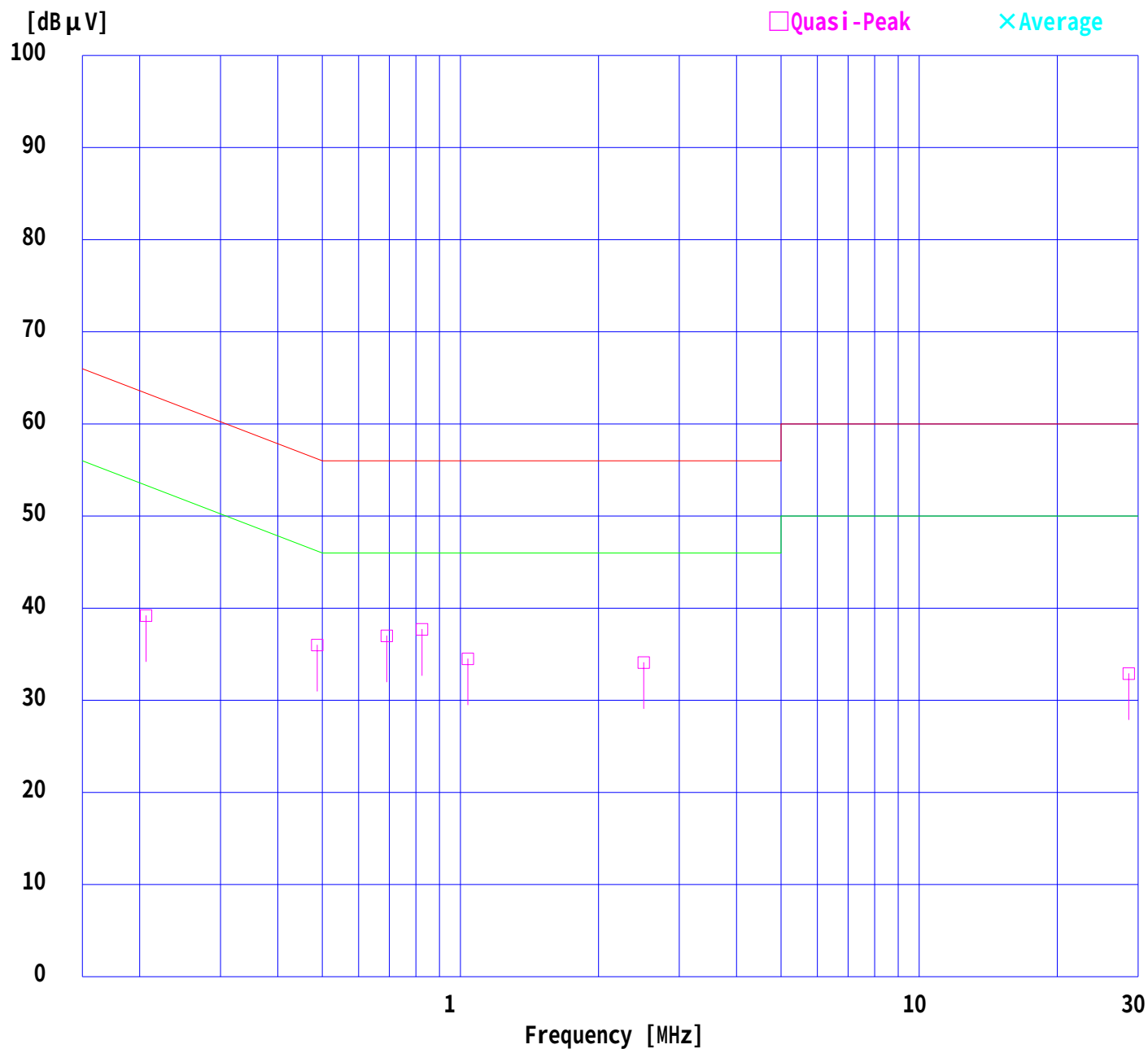
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Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 1Vp-p
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

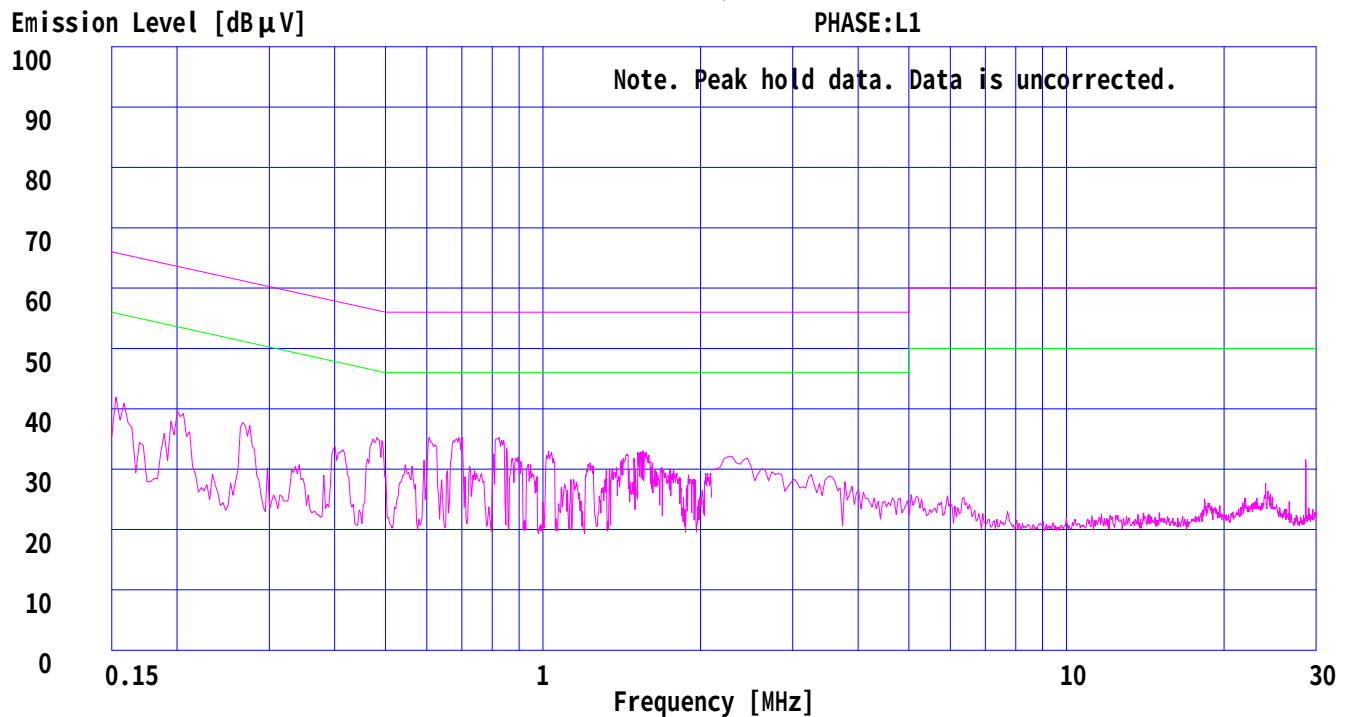
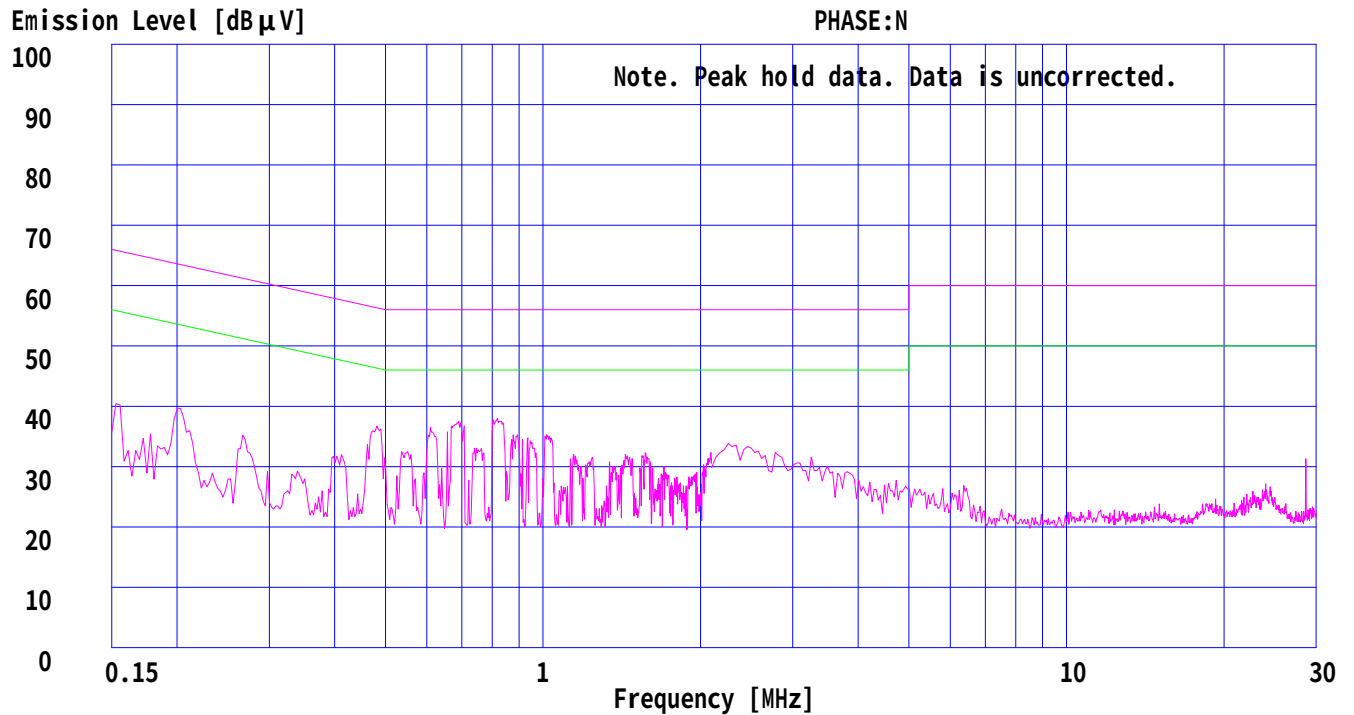
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Report No.: 24KE0259-YW-1

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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 1Vp-p
Date : 7/2/2004
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Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



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Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p
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Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV	QP [dB μ V]	AV				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]
1.	0.2069	38.8	-	38.3	-	0.1	0.1	0.0	39.0	-	63.3	53.3	24.3	-
2.	0.4922	35.4	-	34.6	-	0.1	0.2	0.0	35.7	-	56.1	46.1	20.4	-
3.	0.6906	36.5	-	34.9	-	0.1	0.2	0.0	36.8	-	56.0	46.0	19.2	-
4.	0.8240	37.4	-	35.0	-	0.1	0.2	0.0	37.7	-	56.0	46.0	18.3	-
5.	1.0363	34.2	-	31.8	-	0.1	0.2	0.0	34.5	-	56.0	46.0	21.5	-
6.	2.2683	32.7	-	31.5	-	0.1	0.3	0.0	33.1	-	56.0	46.0	22.9	-
7.	28.6353	31.6	-	31.5	-	0.7	0.9	0.0	33.2	-	60.0	50.0	26.8	-

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

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

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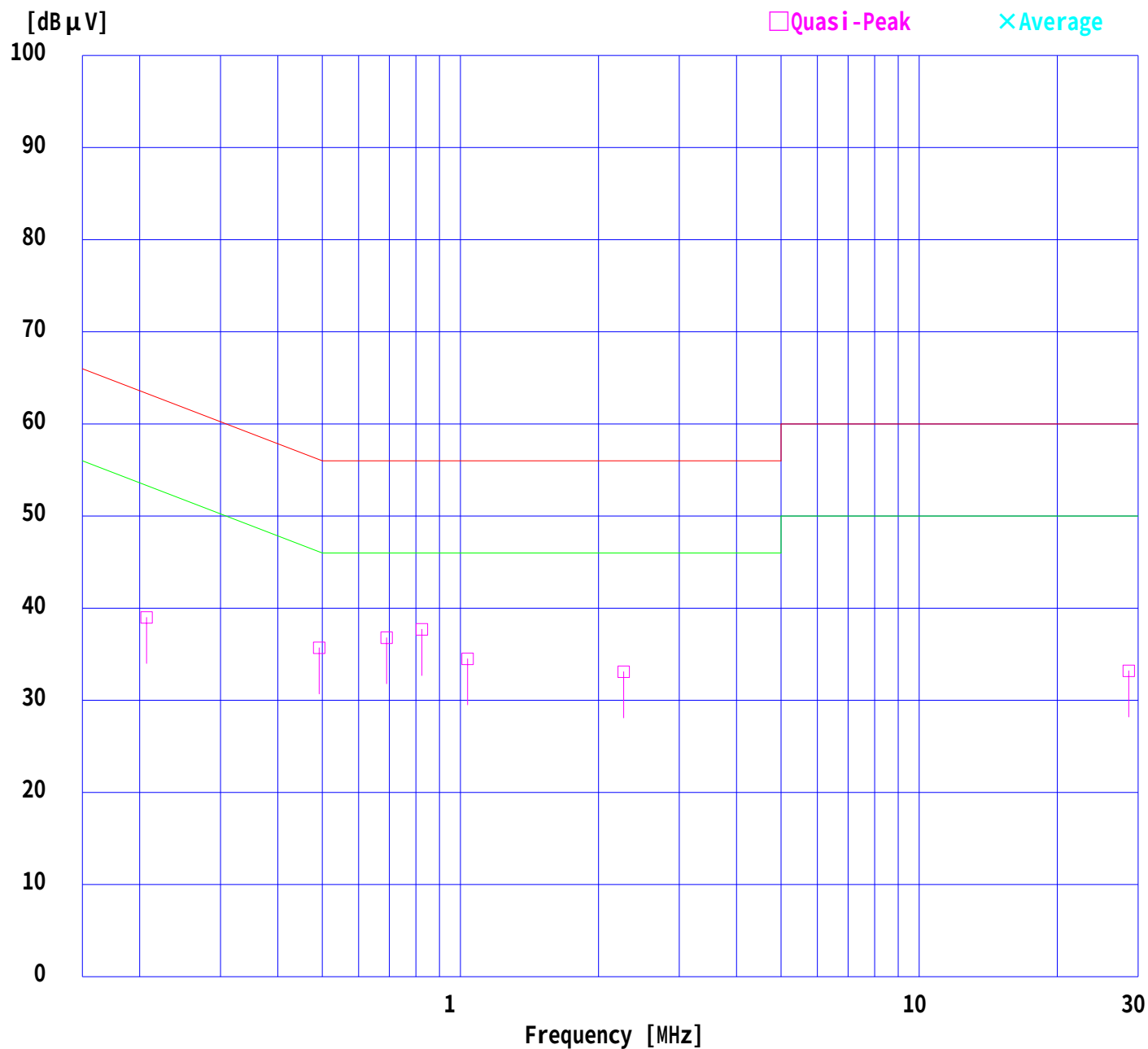
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Power : AC120V/60Hz
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Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

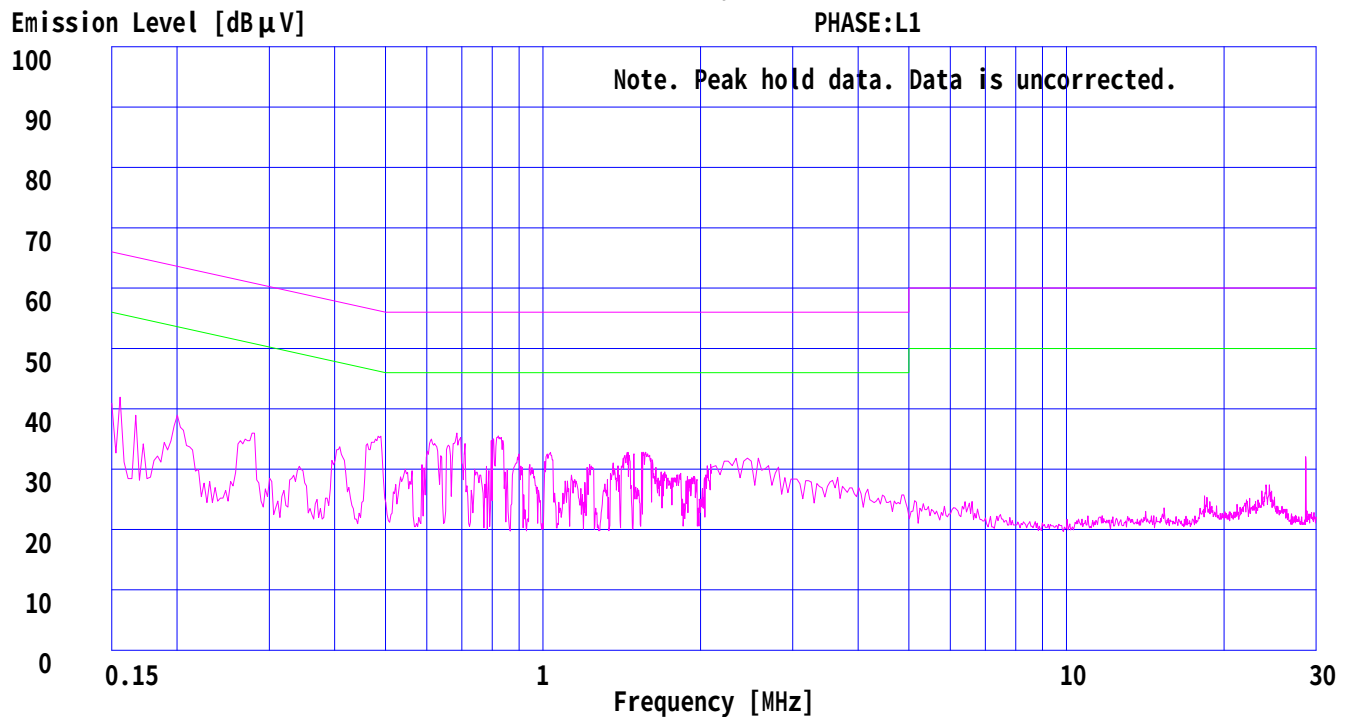
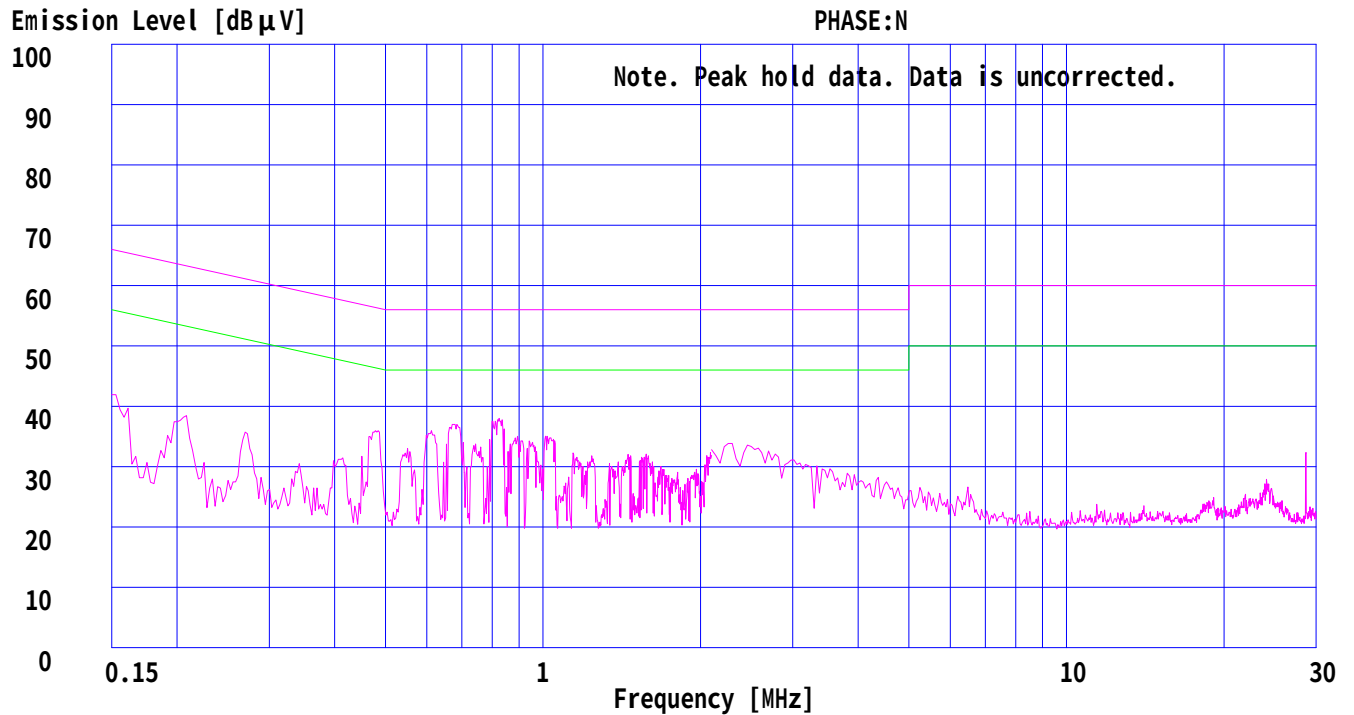
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Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p
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Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



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Report No.: 24KE0259-YW-1

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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1500	41.0	-	44.5	-	0.1	0.1	0.0	44.7	-	66.0	56.0	21.3	-
2.	0.2901	34.0	-	36.3	-	0.1	0.1	0.0	36.5	-	60.5	50.5	24.0	-
3.	0.5590	37.2	-	36.0	-	0.1	0.2	0.0	37.5	-	56.0	46.0	18.5	-
4.	0.7960	37.7	-	35.4	-	0.1	0.2	0.0	38.0	-	56.0	46.0	18.0	-
5.	1.0384	33.0	-	31.5	-	0.1	0.2	0.0	33.3	-	56.0	46.0	22.7	-
6.	2.3248	35.9	-	34.9	-	0.1	0.3	0.0	36.3	-	56.0	46.0	19.7	-
7.	28.6357	31.4	-	31.6	-	0.7	0.9	0.0	33.2	-	60.0	50.0	26.8	-

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

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

DATA OF CONDUCTION TEST

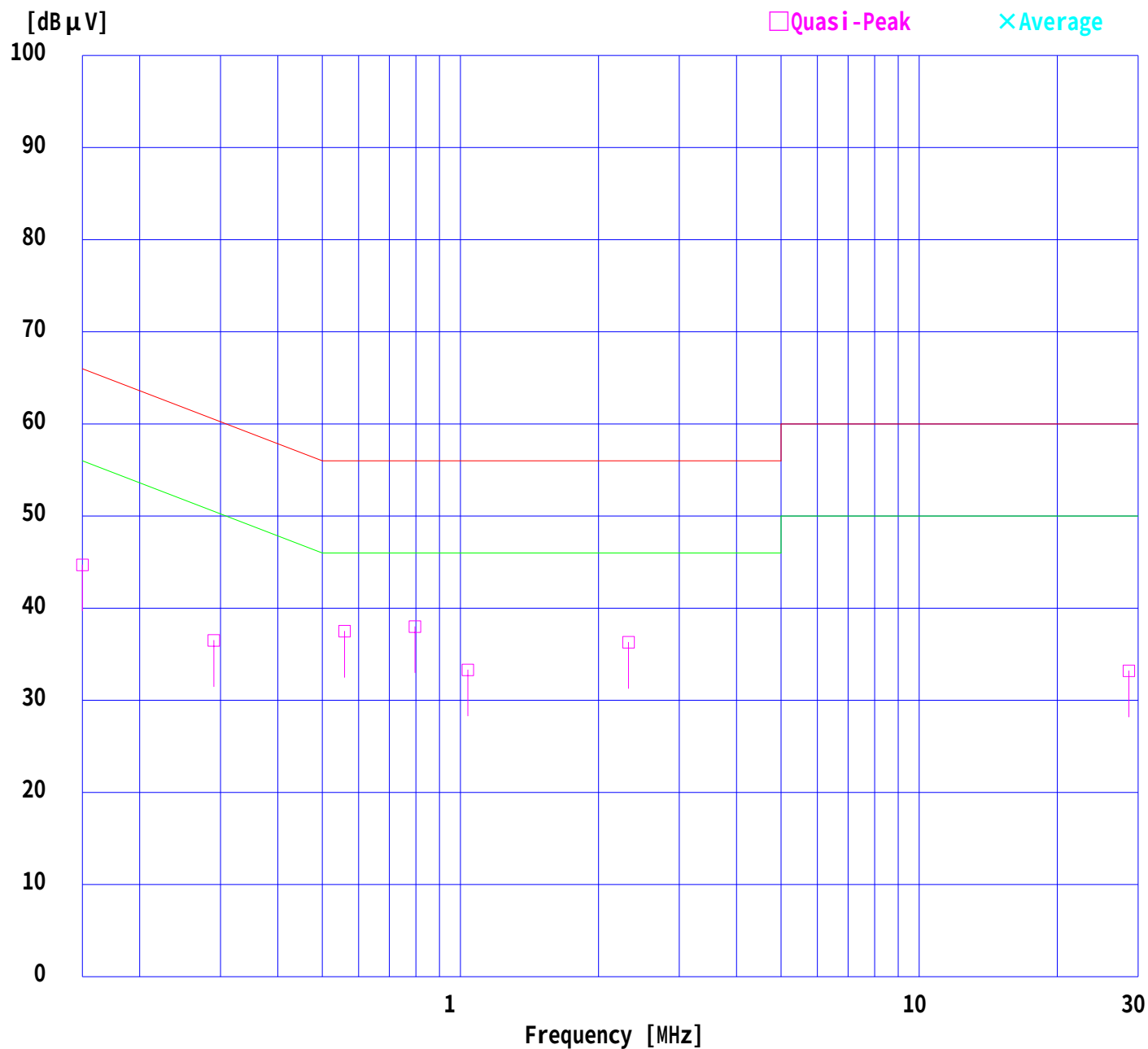
UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback + Rec.
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

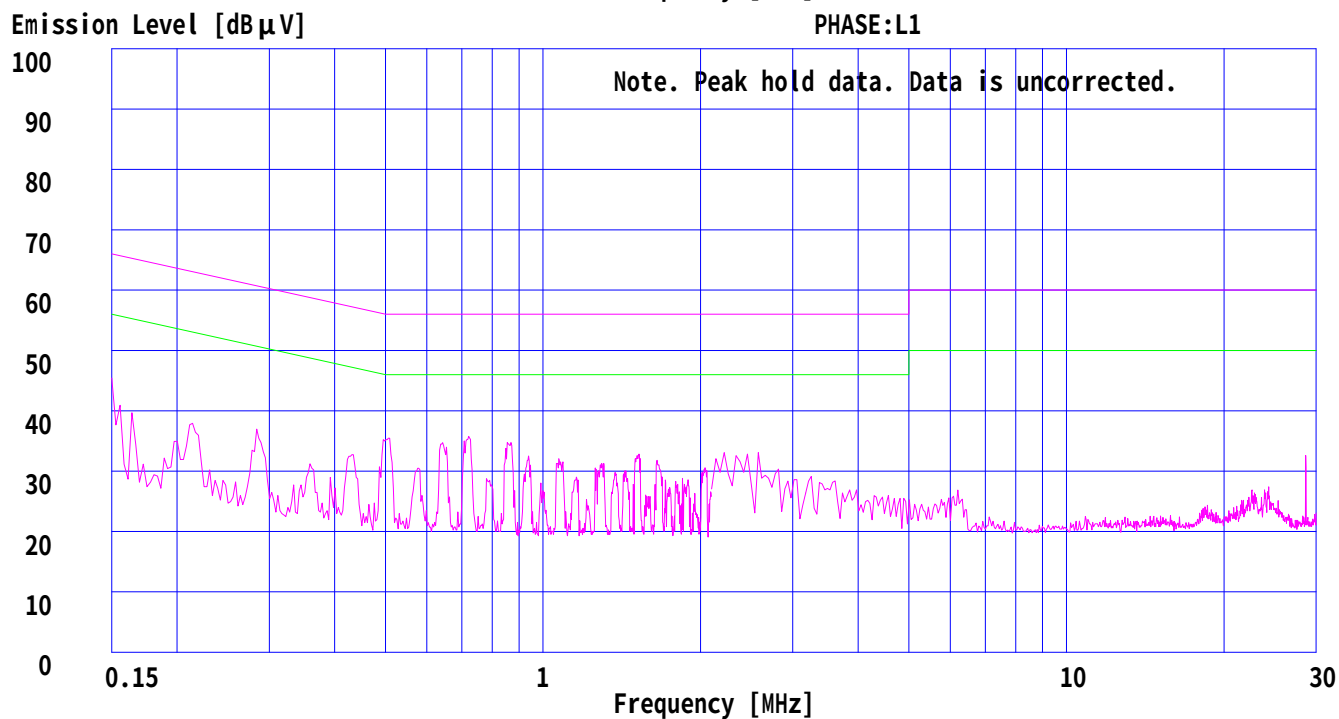
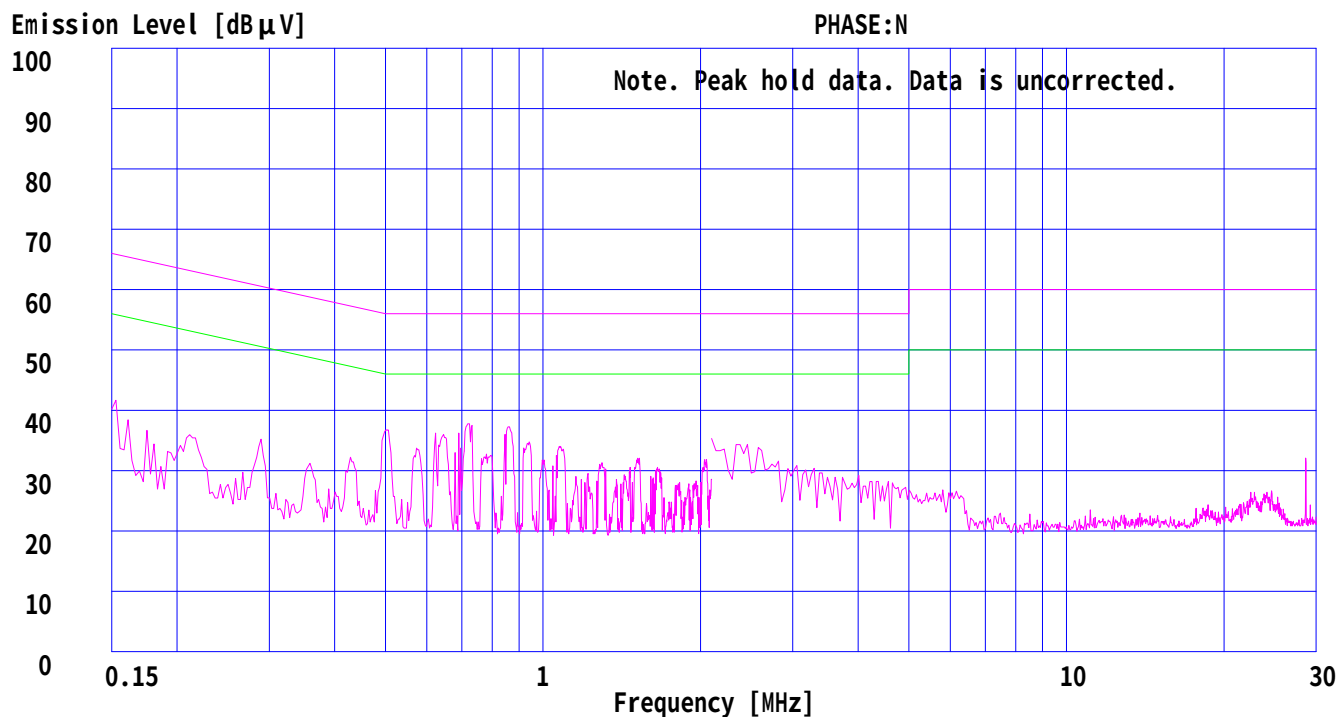
UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)
Regulation 2 : None

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST

UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	READING(N)		READING(L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]				QP [dB]	AV [dB μ V]	QP [dB μ V]	AV [dB μ V]	QP [dB μ V]	AV [dB]
1.	0.2079	38.5	-	38.6	-	0.1	0.1	0.0	38.8	-	63.3	53.3	24.5	-
2.	0.4913	35.7	-	34.5	-	0.1	0.2	0.0	36.0	-	56.1	46.1	20.1	-
3.	0.7041	36.8	-	34.4	-	0.1	0.2	0.0	37.1	-	56.0	46.0	18.9	-
4.	0.8334	36.9	-	34.6	-	0.1	0.2	0.0	37.2	-	56.0	46.0	18.8	-
5.	1.6007	30.8	-	31.3	-	0.1	0.2	0.0	31.6	-	56.0	46.0	24.4	-
6.	2.5255	33.0	-	31.7	-	0.1	0.3	0.0	33.4	-	56.0	46.0	22.6	-
7.	28.6346	31.4	-	31.4	-	0.7	0.9	0.0	33.0	-	60.0	50.0	27.0	-

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

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

DATA OF CONDUCTION TEST

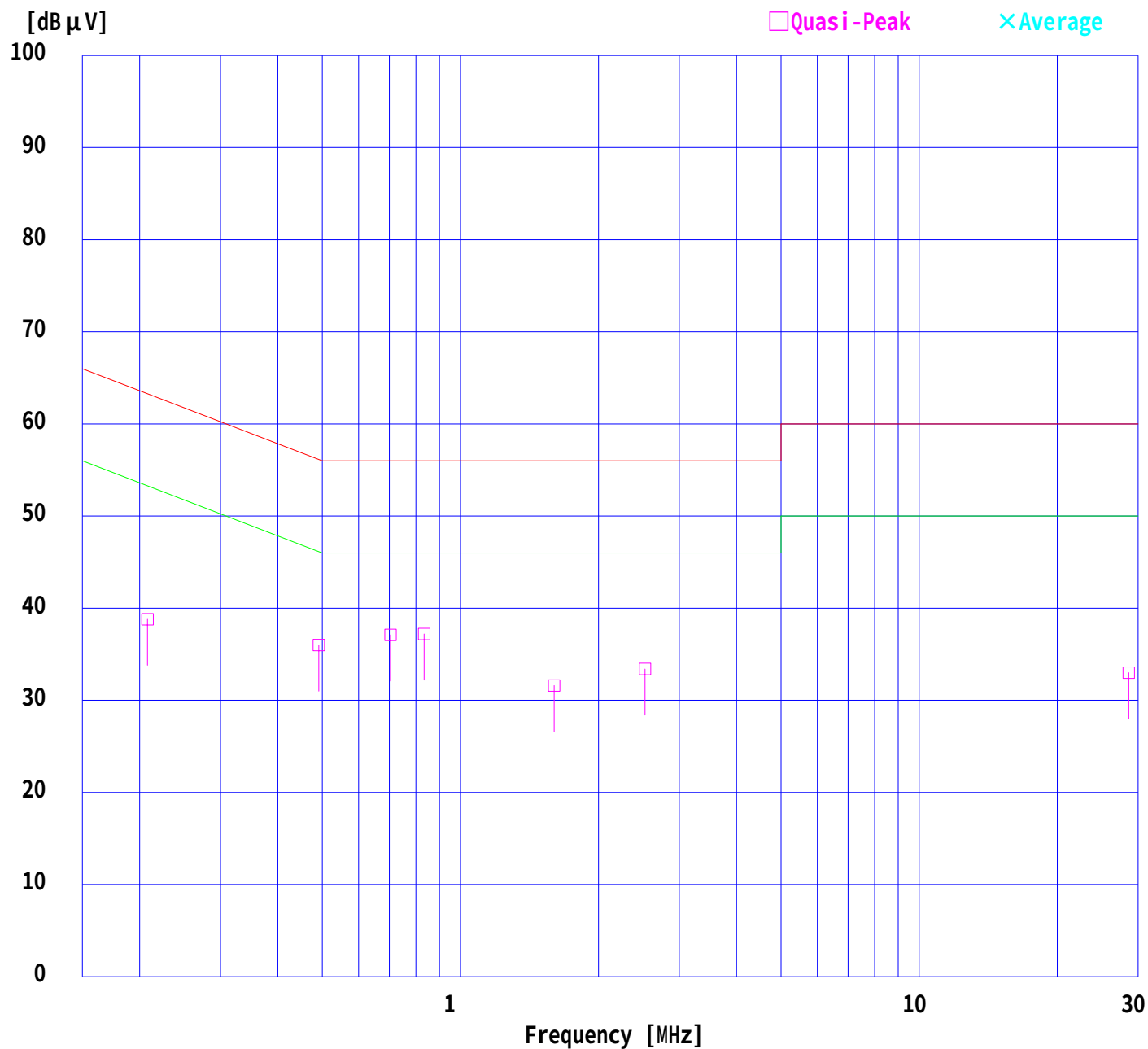
UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF CONDUCTION TEST CHART

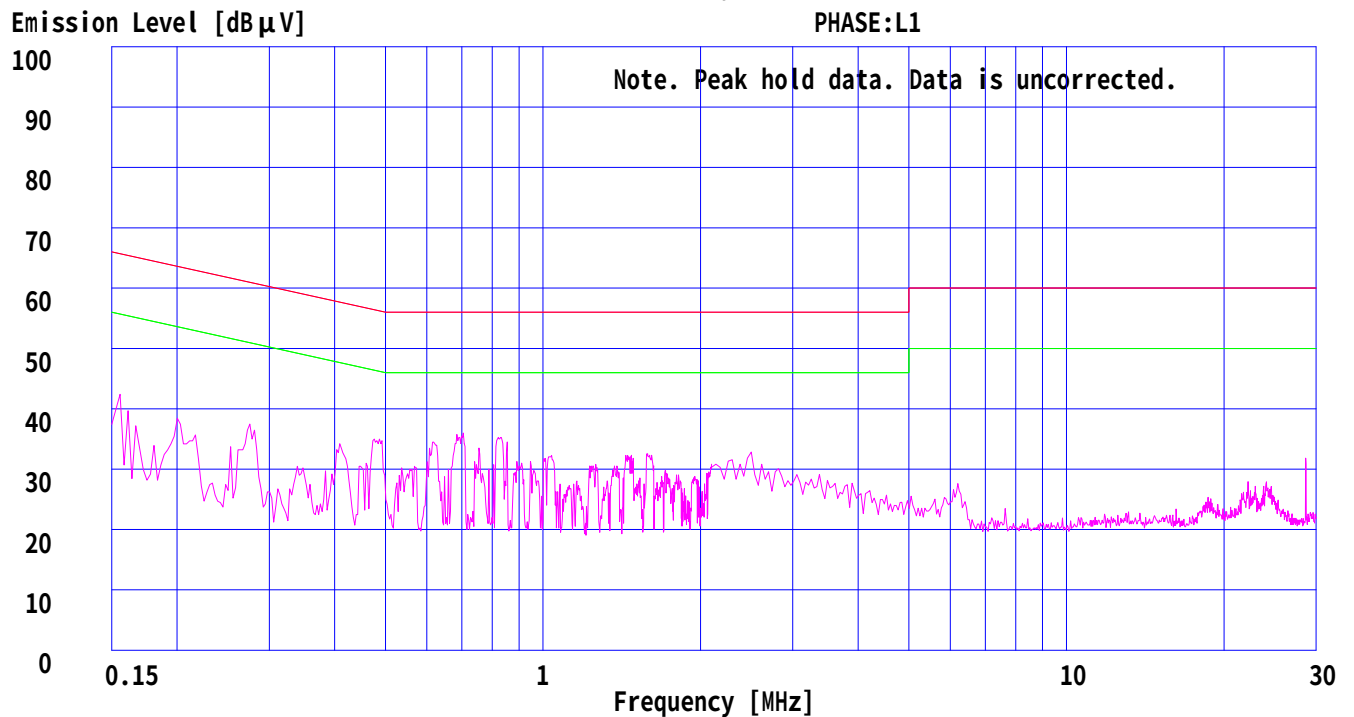
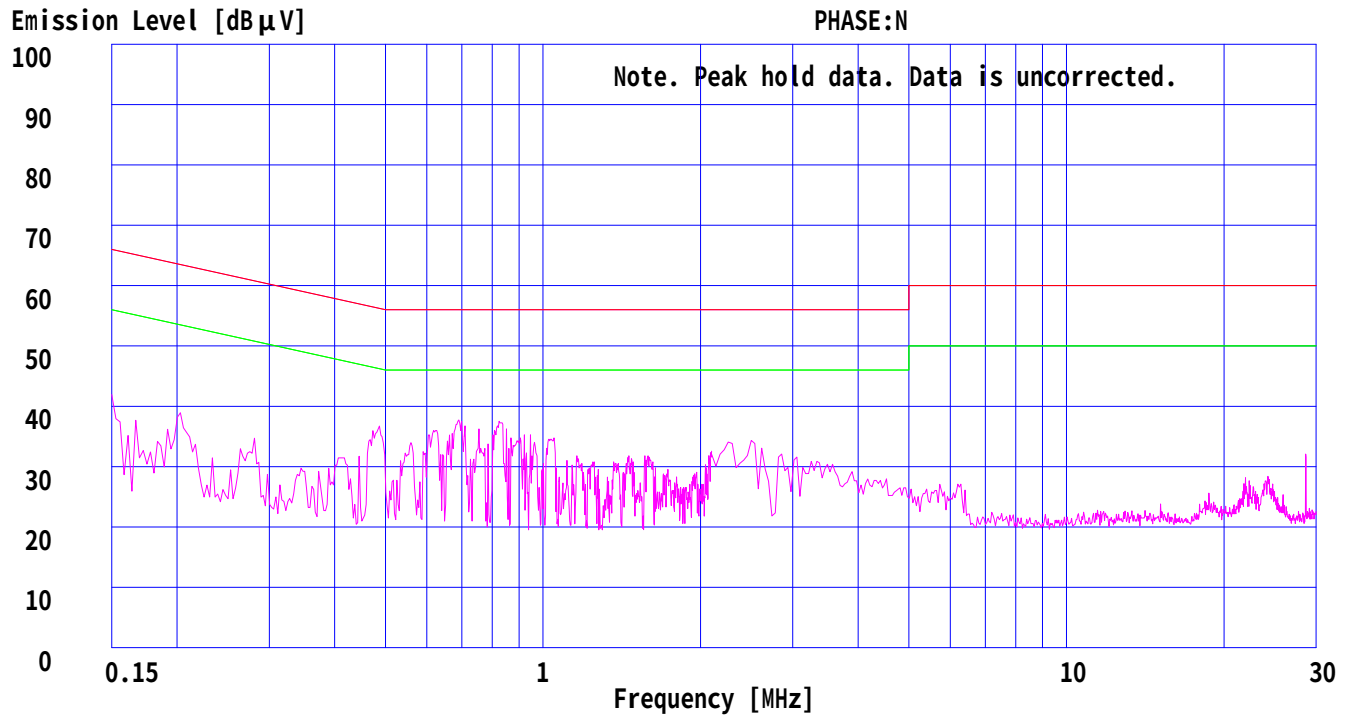
UL Apex Co., Ltd.

YOKOWA No.1 SHIELD TEST ROOM

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 7/2/2004
Phase : Single Phase
Temperature : 24 °C
Humidity : 68 %
Regulation 1 : FCC Part15B CLASS B(2003)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP./HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

The measurement above 100MHz, measurement of FV detector is performed only when the result of PE detector exceeds the limit of FV.																	
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.		VER.		
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]				
VHF																	
2	101	26.7	26.1			BC	-11.0	15.7	15.1			43.5		27.8	28.4		
	202	22.2	22.3			BC	-4.0	18.2	18.3			43.5		25.3	25.2		
	303					LO	-5.9					46.0		>15.0			
	404					LO	-4.2					46.0					
	505					LO	-1.1					46.0					
	606					LO	0.9					46.0					
	707					LO	2.7					46.0					
	808					LO	4.2					46.0					
	909					LO	5.8					46.0					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)						
		HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	HOR.	VER.	HOR.	VER.				
		[dBuV]					[dBuV]	[dBuV/m]		[dBuV/m]		[PK]	[AV]	[dB]		[dB] [dB]	
	1010					HO	-12.0					74.0	54.0	>27.0	>10.0		
	1111					HO	-11.4					74.0	54.0				
	1212					HO	-10.9					74.0	54.0				
	1313					HO	-10.4					74.0	54.0				
	1414					HO	-9.8					74.0	54.0				
	1515					HO	-9.2					74.0	54.0				
	1616					HO	-8.3					74.0	54.0				
CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)				
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.		VER.		
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]				
3	107	24.5	24.3			BC	-10.0	14.5	14.3			43.5		29.0	29.2		
	214	22.3	22.3			BC	-3.8	18.5	18.5			43.5		25.0	25.0		
	321					LO	-5.6					46.0	>15.0				
	428					LO	-3.5					46.0					
	535					LO	-0.5					46.0					
	642					LO	1.5					46.0					
	749					LO	3.3					46.0					
	856					LO	4.7					46.0					
	963					LO	7.8					54.0					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)						
		HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	HOR.	VER.	HOR.	VER.				
		[dBuV]					[dBuV]	[dBuV/m]		[dBuV/m]		[PK]	[AV]	[dB]		[dB] [dB]	
	1070					HO	-11.7					74.0	54.0	>27.0	>10.0		
	1177					HO	-11.1					74.0	54.0				
	1284					HO	-10.5					74.0	54.0				
	1391					HO	-9.9					74.0	54.0				
	1498					HO	-9.4					74.0	54.0				
	1605					HO	-8.4					74.0	54.0				
	CH.	FREQ	READING(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.		VER.		
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]				
4	113	24.2	24.5			BC	-8.8	15.4	15.7			43.5		28.1	27.8		
	226					BC	-3.7					46.0	>15.0				
	339					LO	-5.4					46.0					
	452					LO	-2.7					46.0					
	565					LO	0.0					46.0					
	678					LO	2.2					46.0					
	791					LO	4.0					46.0					
	904					LO	5.6					46.0					
		READING(PK)	READING(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)						
		HOR.	VER.	TYPE		HOR.	VER.	HOR.	VER.	HOR.	VER.	HOR.	VER.				
		[dBuV]					[dBuV]	[dBuV/m]		[dBuV/m]		[PK]	[AV]	[dB]		[dB] [dB]	
	1017					HO	-11.9					74.0	54.0	>27.0	>10.0		
	1130					HO	-11.3					74.0	54.0				
	1243					HO	-10.7					74.0	54.0				
	1356					HO	-10.1					74.0	54.0				
	1469					HO	-9.5					74.0	54.0				
	1582					HO	-8.6					74.0	54.0				

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP./HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT		MARGIN(QP)				
	[MHz]	HOR. VER.		[dBuV]		TYPE	[dBuV]	HOR. VER.		[dBuV/m]		[QP]		HOR. VER.		[dB] [dB]		
VHF																		
5	123	25.1	24.5			BC	-7.5	17.6	17.0			43.5		25.9	26.5			
	246					BC	-3.5					46.0		>15.0				
	369					LO	-4.7					46.0						
	492					LO	-1.5					46.0						
	615					LO	0.9					46.0						
	738					LO	3.2					46.0						
	861					LO	5.0					46.0						
	984	LO	8.5	54.0														
		READINNG(PK)		READINNG(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)		
		HOR. VER.		HOR. VER.		TYPE	[dBuV]	HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.		
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB] [dB]		[dB] [dB]		
		1107					HO	-11.4					74.0	54.0	>27.0		>10.0	
	1230	HO					-10.8	74.0					54.0					
	1353	HO					-10.2	74.0					54.0					
1476	HO	-9.5					74.0	54.0										
1599	HO	-8.4					74.0	54.0										
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT		MARGIN(QP)				
	[MHz]	HOR. VER.		[dBuV]		TYPE	[dBuV]	HOR. VER.		[dBuV/m]		[QP]		HOR. VER.		[dB] [dB]		
6	129	25.6	25.1			BC	-7.0	18.6	18.1			43.5		24.9	25.4			
	258					BC	-3.1					46.0		>15.0				
	387					LO	-4.4					46.0						
	516					LO	-1.0					46.0						
	645					LO	1.5					46.0						
	774					LO	3.7					46.0						
	903					LO	5.6					46.0						
		READINNG(PK)		READINNG(AV)		ANT	C.Factor	RESULT(PK)		RESULT(AV)		LIMIT	LIMIT	MARGIN(PK)		MARGIN(AV)		
		HOR. VER.		HOR. VER.		TYPE	[dBuV]	HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.		
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB] [dB]		[dB] [dB]		
		1032					HO	-11.9					74.0	54.0	>27.0		>10.0	
	1161	HO					-11.2	74.0					54.0					
	1290	HO					-10.5	74.0					54.0					
	1419	HO					-9.8	74.0					54.0					
1548	HO	-8.9					74.0	54.0										
1677	HO	-7.7	74.0	54.0														
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT		MARGIN(QP)				
	[MHz]	HOR. VER.		[dBuV]		TYPE	[dBuV]	HOR. VER.		[dBuV/m]		[QP]		HOR. VER.		[dB] [dB]		
7	221	23.4	23.2			BC	-3.8	19.6	19.4			46.0		26.4	26.6			
	442					LO	-3.1					46.0		>15.0				
	663					LO	1.9					46.0						
	884					LO	5.5					46.0						
		READINNG(PK)				READINNG(AV)		ANT	C.Factor			RESULT(PK)		RESULT(AV)				LIMIT
		HOR. VER.		HOR. VER.		TYPE	[dBuV]	HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.		
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB] [dB]		[dB] [dB]		
		1105					HO	-11.5					74.0	54.0	>27.0		>10.0	
1326	HO	-10.3					74.0	54.0										
1547	HO	-8.9					74.0	54.0										
CH.	FREQ	READINNG(QP)					ANT	C.Factor	RESULT(QP)						LIMIT			
	[MHz]	HOR. VER.		[dBuV]		TYPE	[dBuV]	HOR. VER.		[dBuV/m]		[QP]		HOR. VER.		[dB] [dB]		
8	227	24.6	25.8			BC	-3.7	20.9	22.1			46.0		25.1	23.9			
	454					LO	-2.6					46.0		>15.0				
	681					LO	2.2					46.0						
	908					LO	5.8					46.0						
		READINNG(PK)				READINNG(AV)		ANT	C.Factor			RESULT(PK)		RESULT(AV)				LIMIT
		HOR. VER.		HOR. VER.		TYPE	[dBuV]	HOR. VER.		HOR. VER.		[PK]	[AV]	HOR. VER.		HOR. VER.		
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]	[dBuV/m]	[dB] [dB]		[dB] [dB]		
		1135					HO	-11.3					74.0	54.0	>27.0		>10.0	
1362	HO	-10.1					74.0	54.0										
1589	HO	-8.5					74.0	54.0										

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP./HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.		
		[dBuV]						[dBuV/m]				[dBuV/m]	[dB]	[dB]		
VHF																
9	233	24.5	24.8			BC	-3.6	20.9	21.2			46.0		25.1	24.8	
	466					LO	-2.3					46.0		>15.0		
	699					LO	2.6					46.0				
	932					LO	6.7					46.0				
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)					
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.					
		[dBuV]	[dBuV]			[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]					
		1165				HO	-11.2				74.0	54.0	>27.0		>10.0	
	1398				HO	-9.9				74.0	54.0					
1631		HO			-8.1		74.0			54.0						
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.		
		[dBuV]					[dBuV]	[dBuV/m]			[dBuV/m]	[dB]	[dB]			
10	239	22.6	23.3			BC	-3.5	19.1	19.8			46.0		26.9	26.2	
	478					LO	-2.0					46.0		>15.0		
	717					LO	2.8					46.0				
	956					LO	7.5					46.0				
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)					
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.					
		[dBuV]	[dBuV]			[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]					
		1195				HO	-11.1				74.0	54.0	>27.0		>10.0	
	1434				HO	-9.8				74.0	54.0					
1673		HO			-7.8		74.0			54.0						
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.		
		[dBuV]					[dBuV]	[dBuV/m]			[dBuV/m]	[dB]	[dB]			
11	245	24.5	24.3			BC	-3.5	21.0	20.8			46.0		25.0	25.2	
	490					LO	-1.5					46.0		>15.0		
	735					LO	3.2					46.0				
	980					LO	8.4					54.0				
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)					
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.					
		[dBuV]	[dBuV]			[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]					
		1225				HO	-10.8				74.0	54.0	>27.0		>10.0	
	1470				HO	-9.5				74.0	54.0					
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.		
		[dBuV]					[dBuV]	[dBuV/m]			[dBuV/m]	[dB]	[dB]			
12	251	23.6	23.3			BC	-3.5	20.1	19.8			46.0		25.9	26.2	
	502					LO	-1.2					46.0		>15.0		
	753					LO	3.5					46.0				
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)					
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.					
		[dBuV]	[dBuV]			[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]					
		1004				HO	-12.0				74.0	54.0	>27.0		>10.0	
	1255				HO	-10.6				74.0	54.0					
1506		HO			-9.3		74.0			54.0						
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT	MARGIN(QP)			
	[MHz]	HOR.	VER.			TYPE	[dBuV]	HOR.	VER.			[QP]	HOR.	VER.		
		[dBuV]					[dBuV]	[dBuV/m]			[dBuV/m]	[dB]	[dB]			
13	257	25.7	25.5			BC	-3.1	22.6	22.4			46.0		23.4	23.6	
	514					LO	-1.0					46.0		>15.0		
	771					LO	3.7					46.0				
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)					
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.					
		[dBuV]	[dBuV]			[dBuV/m]	[dBuV/m]	[dBuV/m]	[dBuV/m]	[dB]	[dB]					
		1028				HO	-11.9				74.0	54.0	>27.0		>10.0	
	1285				HO	-10.5				74.0	54.0					
1542		HO			-9.0		74.0			54.0						

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP./HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
UHF											
14	517	28.6	30.3	LO	-1.0	27.6	29.3	46.0		18.4	16.7
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1034 1551			HO HO	-11.9 -8.9			74.0 74.0	54.0 54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
19	547	29.8	30.5	LO	-0.3	29.5	30.2	46.0		16.5	15.8
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1094 1641			HO HO	-11.5 -8.0			74.0 74.0	54.0 54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
28	601	26.4	27.8	LO	0.7	27.1	28.5	46.0	-	18.9	17.5
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1202			HO	-10.9			74.0	54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
36	649	26.1	27.3	LO	1.6	27.7	28.9	46.0	-	18.3	17.1
		READINNG(PK) HOR. #NAME? [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1298			HO	-10.5			74.0	54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
44	697	24.3	25.3	LO	2.6	26.9	27.9	46.0	-	19.1	18.1
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1394			HO	-9.9			74.0	54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
53	751	24.6	27.1	LO	3.4	28.0	30.5	46.0	-	18.0	15.5
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1502			HO	-9.3			74.0	54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
61	799	24.1	24.2	LO	4.1	28.2	28.3	46.0	-	17.8	17.7
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1598			HO	-8.4			74.0	54.0	>27.0	>10.0
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [QP] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(QP) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
69	847	25.1	24.5	LO	4.5	29.6	29.0	46.0	-	16.4	17.0
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]
	1694			HO	-7.6			74.0	54.0	>27.0	>10.0

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP./HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT			MARGIN(QP)					
	[MHz]	HOR. VER.				TYPE	[dBuV]	HOR. VER.				[QP]			HOR. VER.					
		[dBuV]						[dBuV/m]				[dBuV/m]			[dB]		[dB]			
CATV																				
1	119	24.2	24.2			BC	-7.7	16.5	16.5			43.5			27.0	27.0				
	238					BC	-3.5					46.0			>15.0					
	357					LO	-5.0					46.0								
	476					LO	-2.1					46.0								
	595					LO	0.6					46.0								
	714					LO	2.9					46.0								
	833					LO	4.6					46.0								
	952	LO	7.4	46.0																
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)									
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.									
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]		[dBuV/m]		[dB]		[dB]		
	1071				HO	-11.7					74.0	54.0	>27.0		>10.0					
	1190				HO	-11.1					74.0	54.0								
	1309				HO	-10.4					74.0	54.0								
	1428				HO	-9.8					74.0	54.0								
	1547				HO	-8.9					74.0	54.0								
1666	HO				-7.8	74.0					54.0									
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT			MARGIN(QP)					
	[MHz]	HOR. VER.				TYPE	[dBuV]	HOR. VER.				[QP]			HOR. VER.					
		[dBuV]						[dBuV/m]				[dBuV/m]			[dB]		[dB]			
95	137	23.2	23.5			BC	-6.4	16.8	17.1			43.5			26.7	26.4				
	274					BC	-2.2					46.0			>15.0					
	411					LO	-4.0					46.0								
	548					LO	-0.3					46.0								
	685					LO	2.3					46.0								
	822					LO	4.4					46.0								
	959					LO	7.5					46.0								
		READINNG(PK)	READINNG(AV)	ANT	C.Factor	RESULT(PK)	RESULT(AV)	LIMIT	LIMIT	MARGIN(PK)	MARGIN(AV)									
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.									
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]		[dB]		[dB]				
	1096				HO	-11.5					74.0	54.0	>27.0		>10.0					
	1233				HO	-10.8					74.0	54.0								
	1370				HO	-10.0					74.0	54.0								
	1507				HO	-9.2					74.0	54.0								
	1644				HO	-8.0					74.0	54.0								
CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT			MARGIN(QP)					
	[MHz]	HOR. VER.				TYPE	[dBuV]	HOR. VER.				[QP]			HOR. VER.					
		[dBuV]						[dBuV/m]				[dBuV/m]			[dB]		[dB]			
97	149	24.2	24.3			BC	-6.0	18.2	18.3			43.5			25.3	25.2				
	298					BC	-1.0					46.0			>15.0					
	447					LO	-2.8					46.0								
	596					LO	0.6					46.0								
	745					LO	3.3					46.0								
	894					LO	5.5					46.0								
						READINNG(PK)	READINNG(AV)					ANT							C.Factor	RESULT(PK)
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.									
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]		[dB]		[dB]				
	1043				HO	-11.8					-	-	74.0	54.0	>27.0		>10.0			
	1192				HO	-11.1					-	-	74.0	54.0						
	1341				HO	-10.2					-	-	74.0	54.0						
	1490				HO	-9.4					-	-	74.0	54.0						
	1639				HO	-8.0					-	-	74.0	54.0						
	CH.	FREQ	READINNG(QP)				ANT	C.Factor	RESULT(QP)				LIMIT			MARGIN(QP)				
	[MHz]	HOR. VER.				TYPE	[dBuV]	HOR. VER.				[QP]			HOR. VER.					
		[dBuV]						[dBuV/m]				[dBuV/m]			[dB]		[dB]			
99	161	23.1	23.3			BC	-5.6	17.5	17.7			43.5			26.0	25.8				
	322					LO	-5.6					46.0			>15.0					
	483					LO	-1.7					46.0								
	644					LO	1.5					46.0								
	805					LO	4.2					46.0								
	966					LO	7.9					46.0								
						READINNG(PK)	READINNG(AV)					ANT							C.Factor	RESULT(PK)
		HOR. VER.	HOR. VER.	TYPE	[dBuV]	HOR. VER.	HOR. VER.	[PK]	[AV]	HOR. VER.	HOR. VER.									
		[dBuV]		[dBuV]				[dBuV/m]		[dBuV/m]		[dBuV/m]		[dB]		[dB]				
	1127				HO	-11.3					74.0	54.0	>27.0		>10.0					
	1288				HO	-10.5					74.0	54.0								
	1449				HO	-9.7					74.0	54.0								
	1610				HO	-8.3					74.0	54.0								

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
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ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]				ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]				LIMIT [QP] [dBuV/m]			MARGIN(QP) HOR. VER. [dB] [dB]			
CATV																		
14	167	23.0	23.2			BC	-5.1	17.9	18.1			43.5		25.6	25.4			
	334					LO	-5.4					46.0		>15.0				
	501				LO	-1.2					46.0							
	668				LO	2.1					46.0							
	835				LO	4.6					46.0							
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB] [dB]	MARGIN(AV) HOR. VER. [dB] [dB]							
	1002				HO	-12.0					74.0	54.0	>27.0		>10.0			
	1169			HO	-11.2					74.0	54.0							
	1336			HO	-10.2					74.0	54.0							
	1503			HO	-9.3					74.0	54.0							
	1670			HO	-7.8					74.0	54.0							
CH.	FREQ [MHz]	READINNG(QP) HOR. VER. [dBuV]				ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]				LIMIT [QP] [dBuV/m]			MARGIN(QP) HOR. VER. [dB] [dB]			
18	191	24.1	24.3			BC	-3.8	20.3	20.5			43.5		23.2	23.0			
	382					LO	-4.4					46.0		>15.0				
	573				LO	0.2					46.0							
	764				LO	3.5					46.0							
	955				LO	7.5					46.0							
		READINNG(PK) HOR. VER. [dBuV]	READINNG(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB] [dB]	MARGIN(AV) HOR. VER. [dB] [dB]							
	1146				HO	-11.2					74.0	54.0	>27.0		>10.0			
	1337			HO	-10.2					74.0	54.0							
1528	HO			-9.1					74.0	54.0								
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]				ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]				LIMIT [QP] [dBuV/m]			MARGIN(QP) HOR. VER. [dB]			
22	215	24.3	24.1			BC	-3.8	20.5	20.3			43.5		23.0	23.2			
	430					LO	-3.4					46.0		>15.0				
	645				LO	1.5					46.0							
	860				LO	4.9					46.0							
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB] [dB]	MARGIN(AV) HOR. VER. [dB] [dB]							
	1075				HO	-11.6					74.0	54.0	>27.0		>10.0			
	1290			HO	-10.5					74.0	54.0							
	1505			HO	-9.3					74.0	54.0							
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]				ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]				LIMIT [QP] [dBuV/m]			MARGIN(QP) HOR. VER. [dB]			
23	263	23.5	23.7			BC	-2.8	20.7	20.9			46.0	46.0	25.3	25.1			
	526					LO	-0.7					46.0	46.0					
	789				LO	3.8					46.0	46.0						
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB] [dB]	MARGIN(AV) HOR. VER. [dB] [dB]							
	1052				HO	-11.8					74.0	54.0	>27.0		>10.0			
	1315			HO	-10.4					74.0	54.0							
1578	HO			-8.6					74.0	54.0								
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]				ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]				LIMIT [QP] [dBuV/m]			MARGIN(QP) HOR. VER. [dB]			
29	299	25.9	26.7			BC	-0.9	25.0	25.8			46.0	46.0	21.0	20.2			
	598					LO	0.7					46.0	46.0	>15.0				
	897				LO	5.5					46.0	46.0						
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB] [dB]	MARGIN(AV) HOR. VER. [dB] [dB]							
	1196				HO	-11.1					74.0	54.0	>27.0		>10.0			
1495	HO			-9.4					74.0	54.0								

DATA OF RADIATION TEST

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

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL No. : DVR-RT500-S
POWER : AC120V/60Hz
DESCRIPTION : TV Reception+Rec

REPORT No. : 24KE0259-YW-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : June 26, 2004
TEMP/HUMID. : 27°C/42%
ENGINEER : Tsubasa Takayama

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

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

CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]			ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]			LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]		
CATV														
36	341	24.1	23.9		LO	-5.4	18.7	18.5		46.0	46.0	27.3	27.5	
	682				LO	2.2				46.0	46.0	>15.0		
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1023			HO	-11.9			74.0	54.0	>27.0	>10.0			
	1364			HO	-10.1			74.0	54.0					
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]			ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]			LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]		
37	347	22.5	23.1		LO	-5.2	17.3	17.9		46.0	46.0	28.7	28.1	
	694				LO	2.5				46.0	46.0	>15.0		
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1041			HO	-11.8			74.0	54.0	>27.0	>10.0			
	1388			HO	-9.9			74.0	54.0					
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]			ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]			LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]		
65	515	26.3	25.1		LO	-1.0	25.3	24.1		46.0	46.0	20.7	21.9	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1030			HO	-11.9			74.0	54.0	>27.0	>10.0			
	1545			HO	-8.9			74.0	54.0					
	CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]			ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]			LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]	
94	689	26.2	26.4		LO	2.4	28.6	28.8		46.0	46.0	17.4	17.2	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1378			HO	-10.0			74.0	54.0	>27.0	>10.0			
		READING(QP) HOR. VER. [dBuV]		ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]		LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]				
CH.	FREQ [MHz]	READING(QP) HOR. VER. [dBuV]			ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]			LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]		
100	695	27.1	25.8		LO	2.5	29.6	28.3		46.0	46.0	16.4	17.7	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1390			HO	-9.9			74.0	54.0	>27.0	>10.0			
		READING(QP) HOR. VER. [dBuV]		ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]		LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]				
113	773	28.3	27.5		LO	3.7	32.0	31.2		46.0	46.0	14.0	14.8	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1546			HO	-8.9			74.0	54.0	>27.0	>10.0			
		READING(QP) HOR. VER. [dBuV]		ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]		LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]				
125	845	24.6	25.3		LO	4.5	29.1	29.8		46.0	46.0	16.9	16.2	
		READING(PK) HOR. VER. [dBuV]	READING(AV) HOR. VER. [dBuV]	ANT TYPE	C.Factor [dBuV]	RESULT(PK) HOR. VER. [dBuV/m]	RESULT(AV) HOR. VER. [dBuV/m]	LIMIT [PK] [dBuV/m]	LIMIT [AV] [dBuV/m]	MARGIN(PK) HOR. VER. [dB]	MARGIN(AV) HOR. VER. [dB]			
	1690			HO	-7.6			74.0	54.0	>27.0	>10.0			
		READING(QP) HOR. VER. [dBuV]		ANT TYPE	C.Factor [dBuV]	RESULT(QP) HOR. VER. [dBuV/m]		LIMIT [QP] [dBuV/m]		MARGIN(QP) HOR. VER. [dB]				

DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	768.49	BB	30.4	36.5	21.3	29.9	7.5	6.0	35.3	41.4	46.0	10.7	4.6

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

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

DATA OF RADIATION TEST

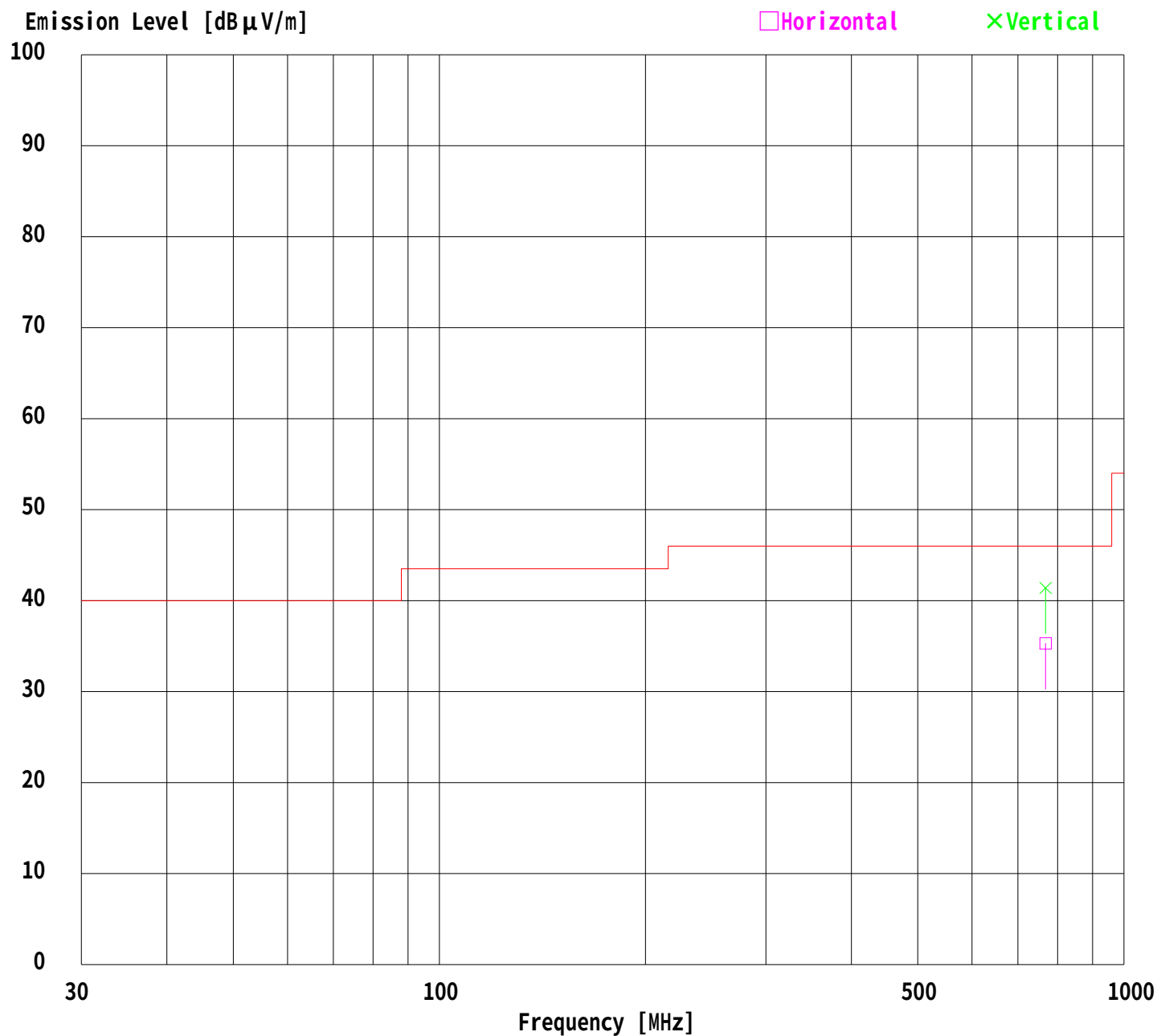
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 0dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	41.42	BB	35.1	37.9	14.7	29.9	1.5	5.9	27.3	30.1	40.0	12.7	9.9
2.	260.00	BB	25.2	24.8	17.8	29.9	3.9	6.0	23.0	22.6	46.0	23.0	23.4
3.	384.40	BB	31.5	38.5	16.0	30.0	4.9	6.0	28.4	35.4	46.0	17.6	10.6
4.	405.02	BB	32.9	37.9	16.5	30.0	5.1	6.0	30.5	35.5	46.0	15.5	10.5
5.	571.39	BB	26.5	29.3	18.8	30.0	6.3	6.0	27.6	30.4	46.0	18.4	15.6
6.	768.49	BB	30.4	36.5	21.3	29.9	7.5	6.0	35.3	41.4	46.0	10.7	4.6

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

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

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

DATA OF RADIATION TEST

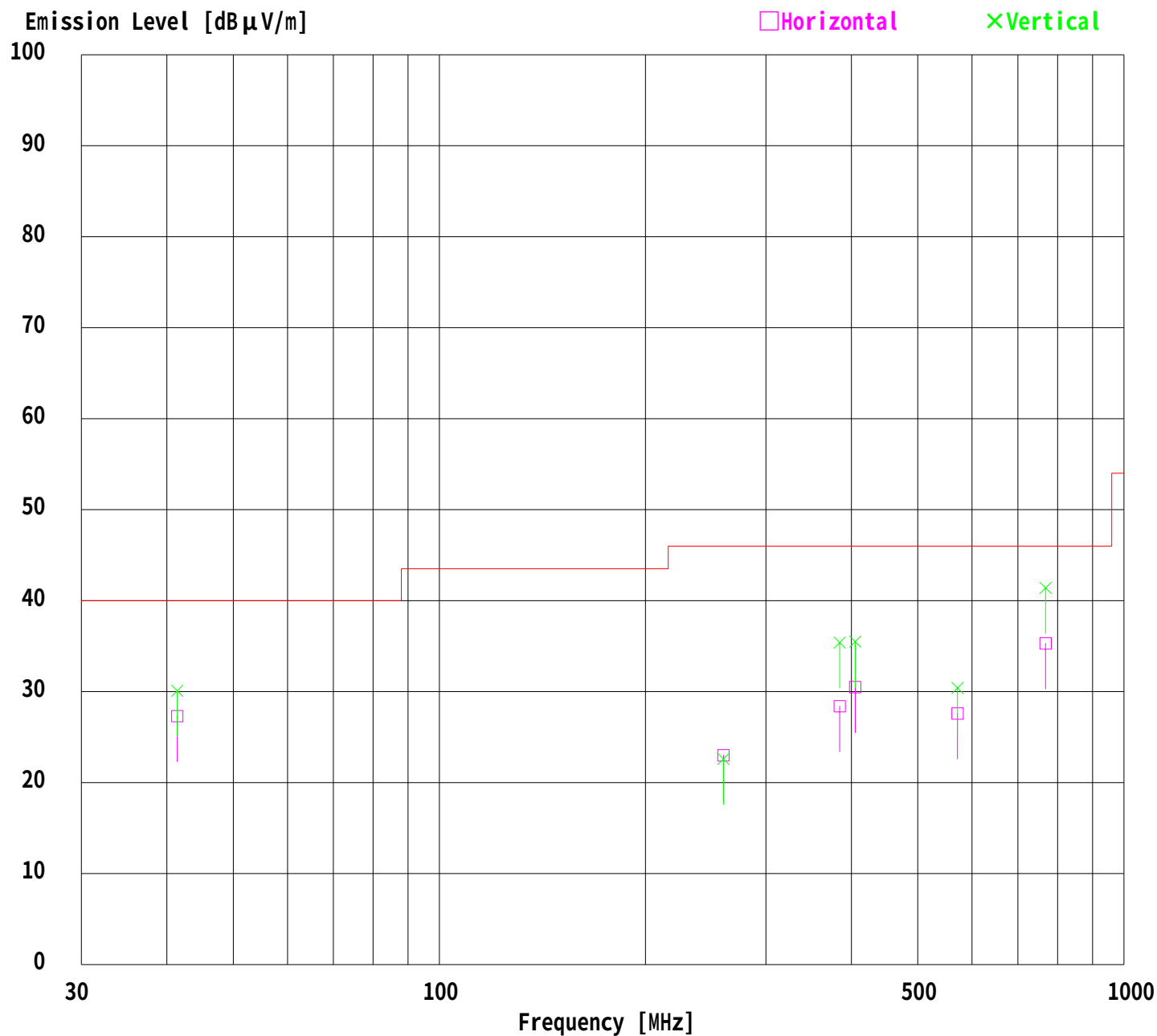
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.87	BB	52.1	54.6	25.2	38.7	2.7	0.0	41.3	43.8	74.0	32.7	30.2
2.	1365.64	BB	70.5	71.0	26.7	38.4	3.1	0.0	61.9	62.4	74.0	12.1	11.6
3.	1549.49	BB	53.8	51.6	27.7	38.0	3.3	0.0	46.8	44.6	74.0	27.2	29.4

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

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

DATA OF RADIATION TEST

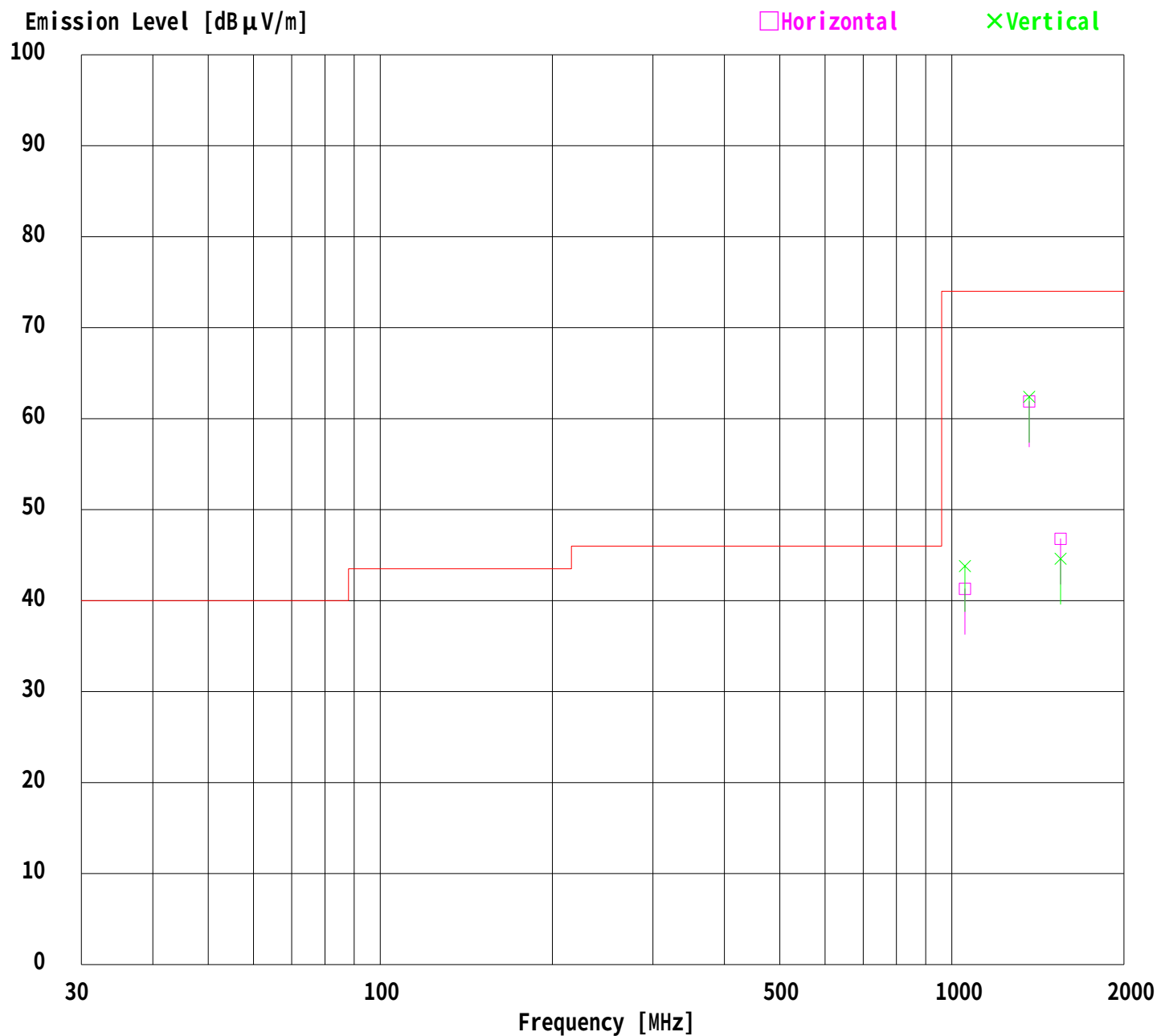
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.87	BB	42.3	46.1	25.2	38.7	2.7	0.0	31.5	35.3	54.0	22.5	18.7
2.	1365.64	BB	41.7	41.4	26.7	38.4	3.1	0.0	33.1	32.8	54.0	20.9	21.2
3.	1549.49	BB	37.1	38.4	27.7	38.0	3.3	0.0	30.1	31.4	54.0	23.9	22.6

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

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

DATA OF RADIATION TEST

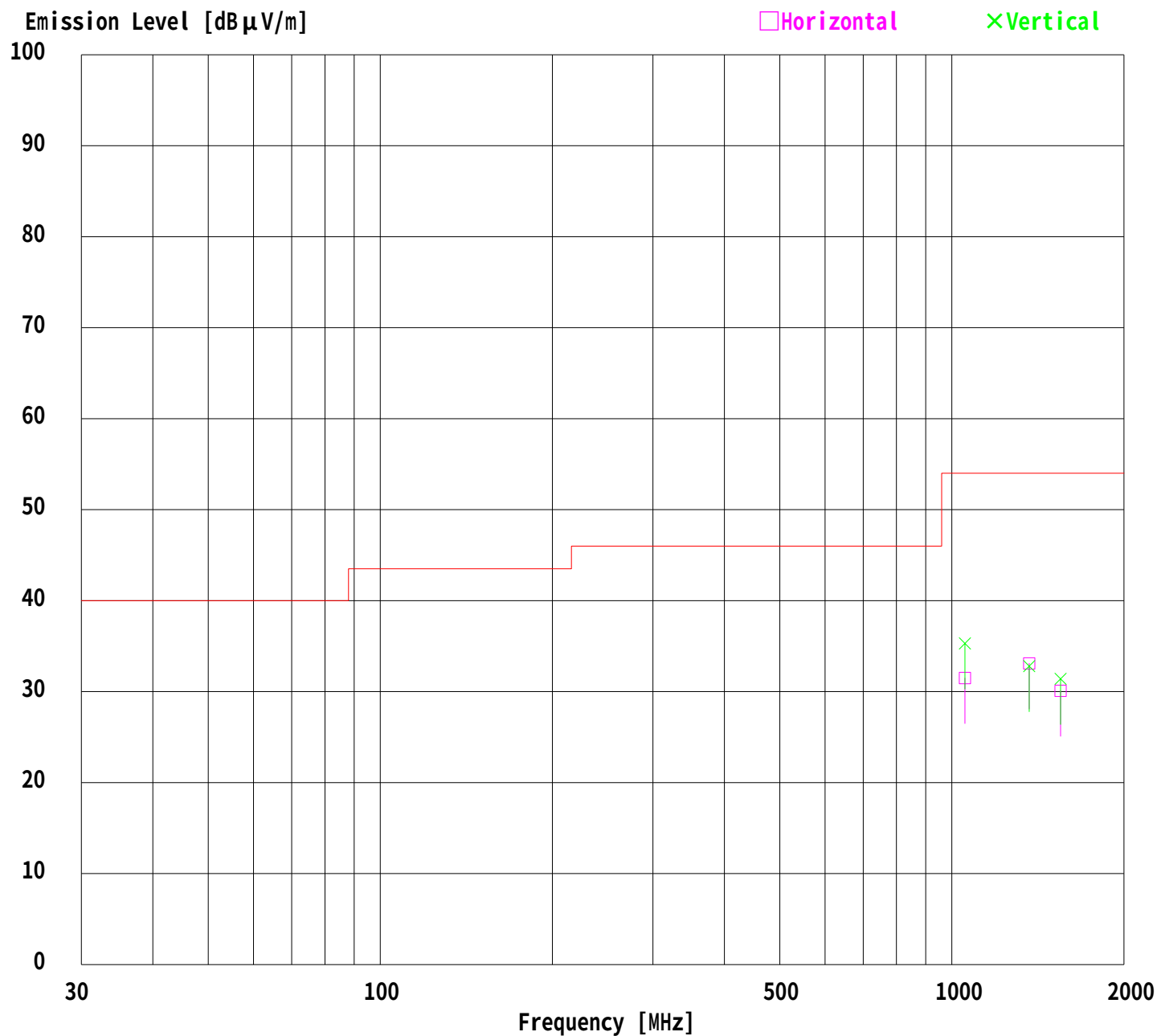
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : TV Reception+Rec
Remarks : 25dBmV Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 1Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	768.03	BB	31.0	34.9	21.3	29.9	7.5	6.0	35.9	39.8	46.0	10.1	6.2

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.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

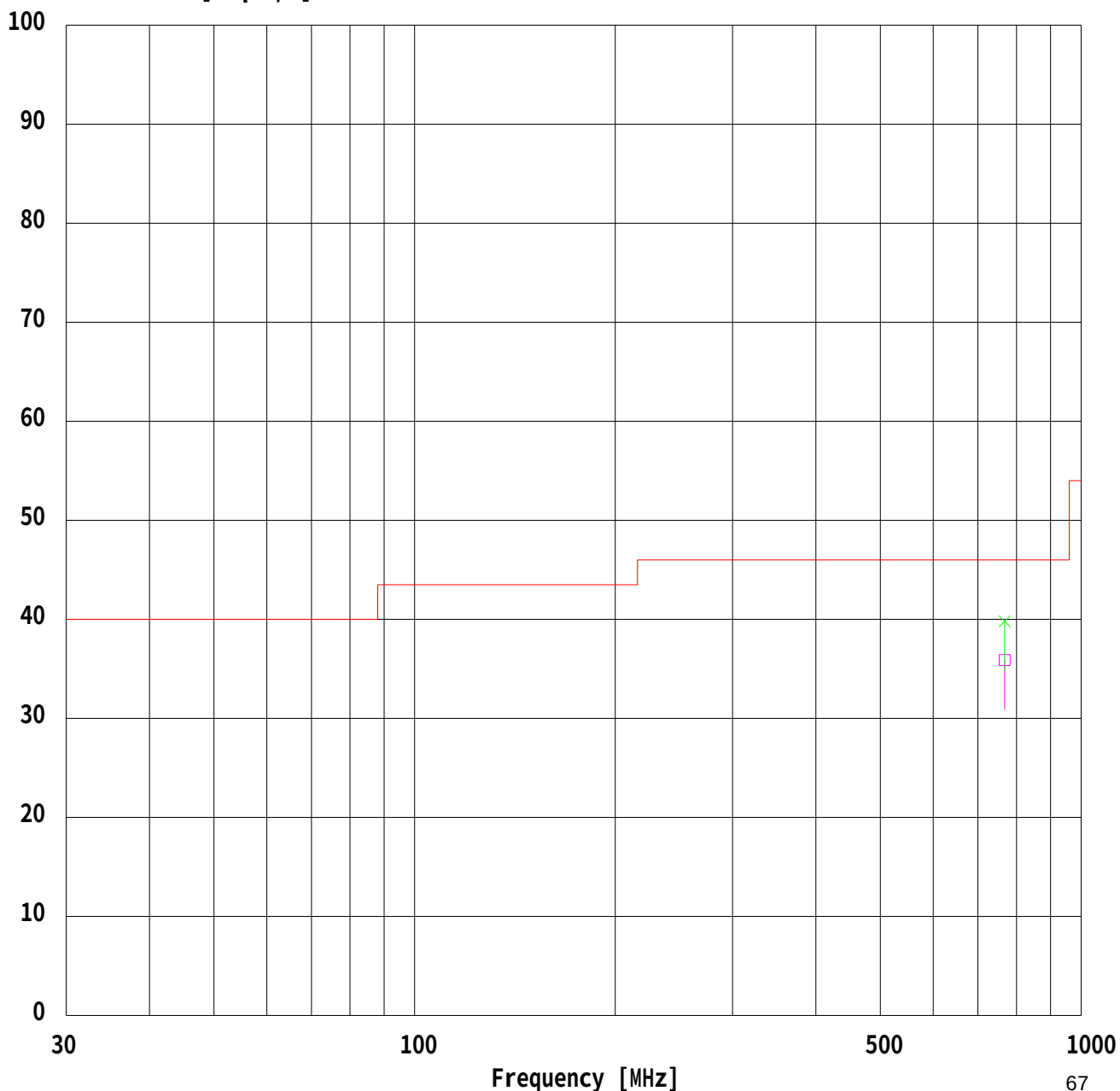
Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 1Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

Emission Level [dB μ V/m]

□ Horizontal

× Vertical



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	41.43	BB	36.1	37.1	14.7	29.9	1.5	5.9	28.3	29.3	40.0	11.7	10.7
2.	259.98	BB	27.1	25.3	17.8	29.9	3.9	6.0	24.9	23.1	46.0	21.1	22.9
3.	384.35	BB	32.5	39.1	16.0	30.0	4.9	6.0	29.4	36.0	46.0	16.6	10.0
4.	405.01	BB	33.6	37.5	16.5	30.0	5.1	6.0	31.2	35.1	46.0	14.8	10.9
5.	571.40	BB	26.6	30.2	18.8	30.0	6.3	6.0	27.7	31.3	46.0	18.3	14.7
6.	768.03	BB	31.0	34.9	21.3	29.9	7.5	6.0	35.9	39.8	46.0	10.1	6.2

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

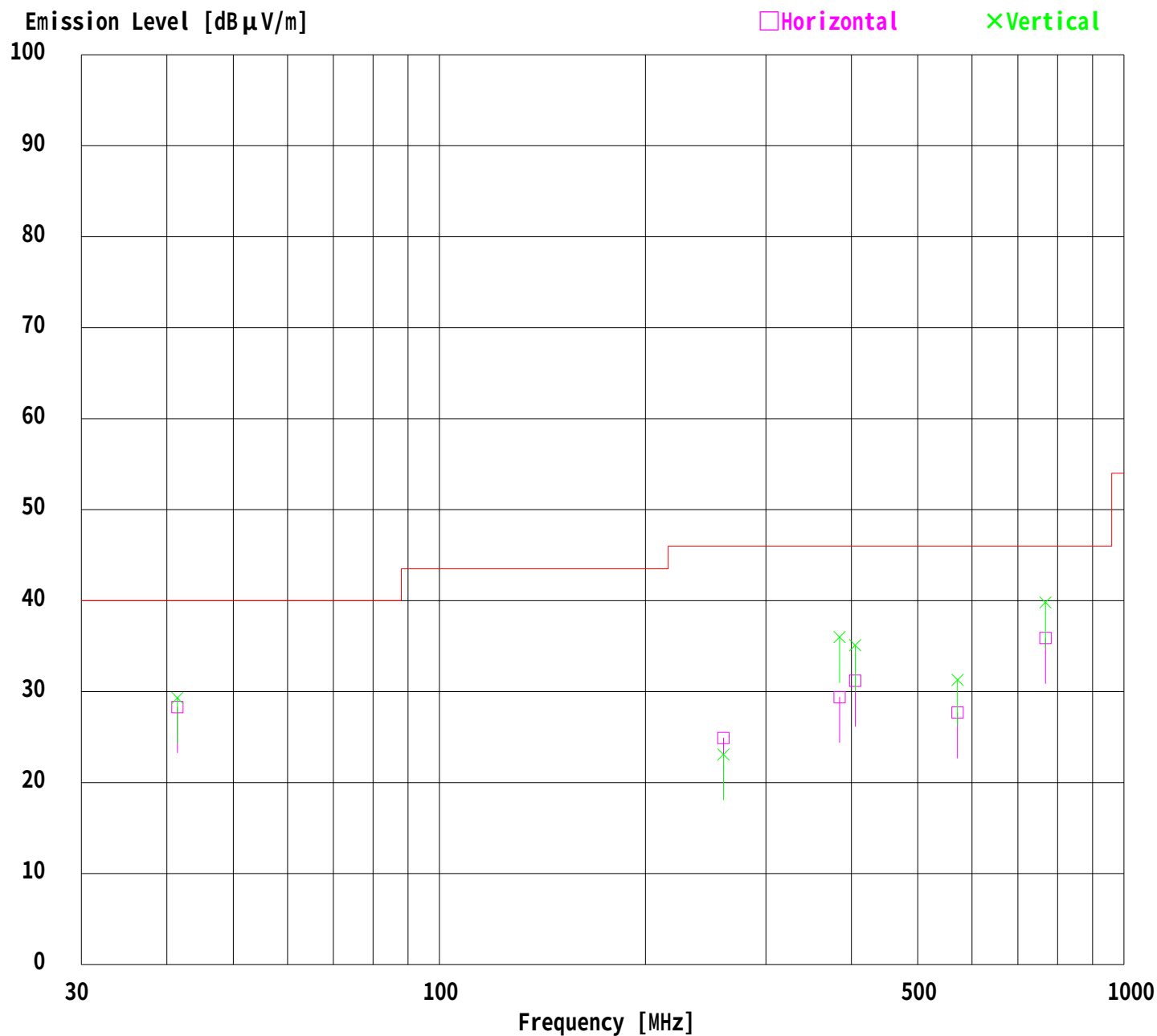
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.75	BB	51.6	56.9	25.2	38.7	2.7	0.0	40.8	46.1	74.0	33.2	27.9
2.	1366.30	BB	70.6	71.7	26.7	38.4	3.1	0.0	62.0	63.1	74.0	12.0	10.9
3.	1549.77	BB	53.9	52.7	27.7	38.0	3.3	0.0	46.9	45.7	74.0	27.1	28.3

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

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

DATA OF RADIATION TEST

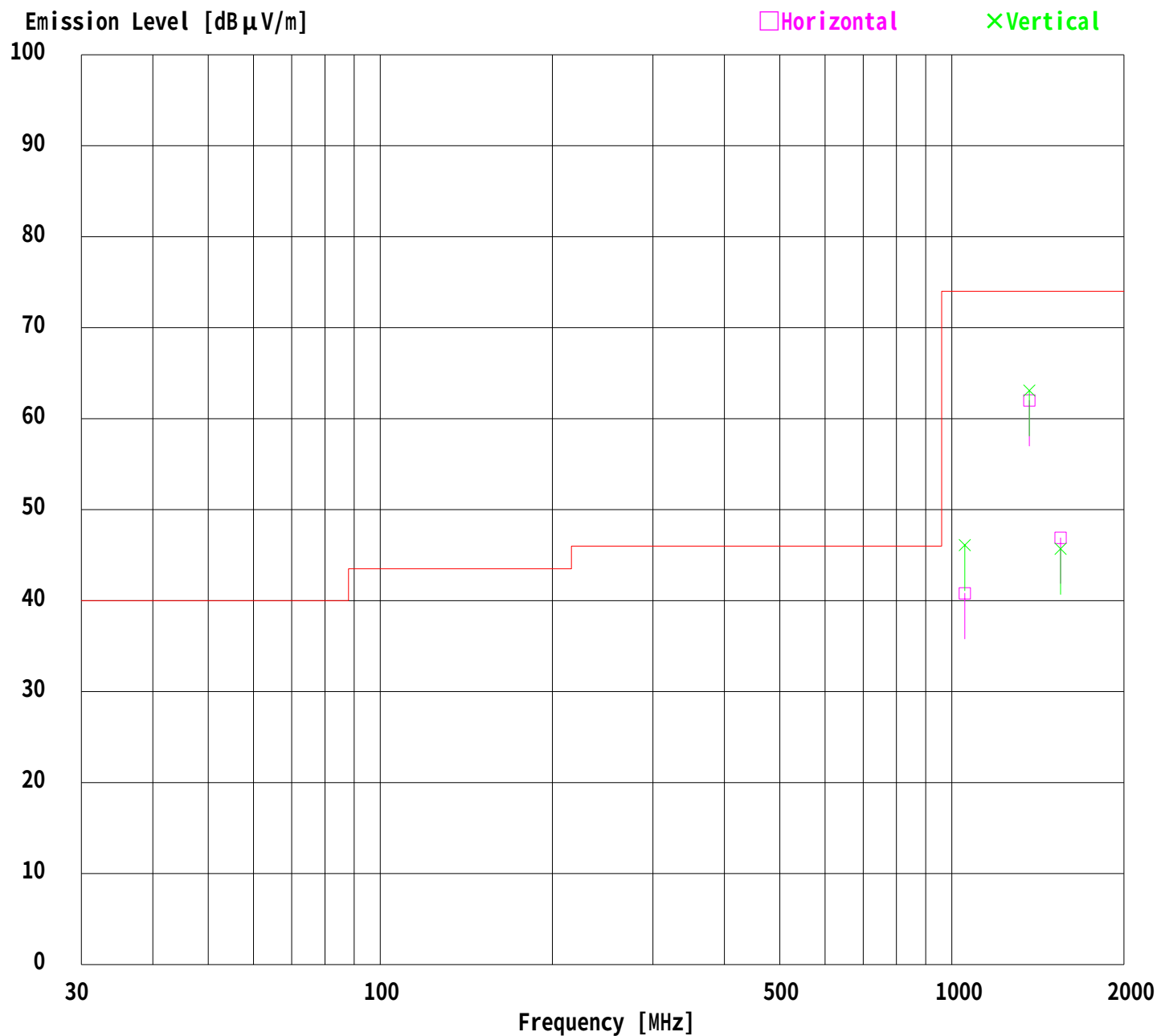
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.75	BB	42.6	45.3	25.2	38.7	2.7	0.0	31.8	34.5	54.0	22.2	19.5
2.	1366.30	BB	41.6	41.3	26.7	38.4	3.1	0.0	33.0	32.7	54.0	21.0	21.3
3.	1549.77	BB	37.0	36.8	27.7	38.0	3.3	0.0	30.0	29.8	54.0	24.0	24.2

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

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

DATA OF RADIATION TEST

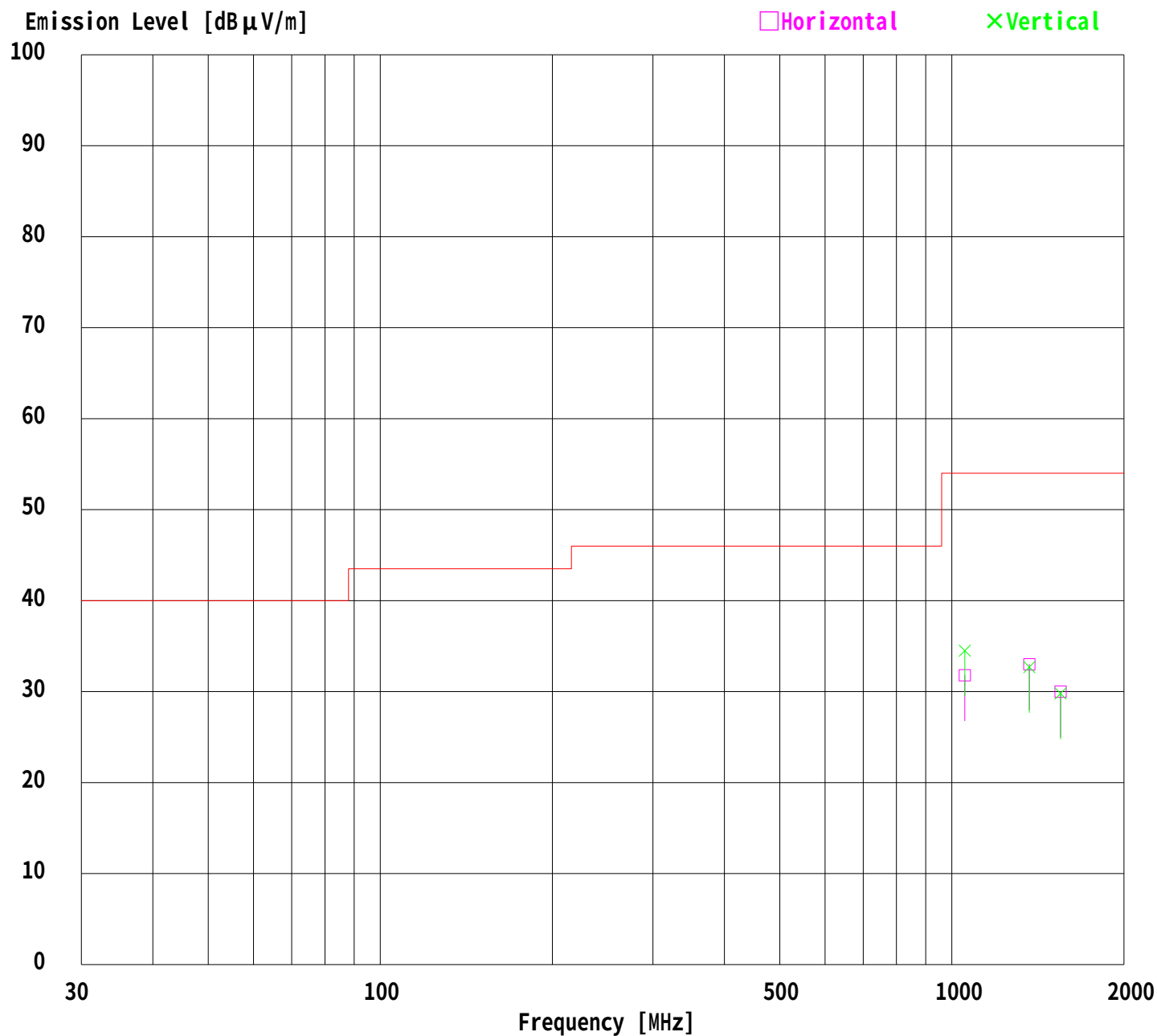
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV1 Input+Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 1Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	769.25	BB	31.0	32.7	21.3	29.9	7.5	6.0	35.9	37.6	46.0	10.1	8.4

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

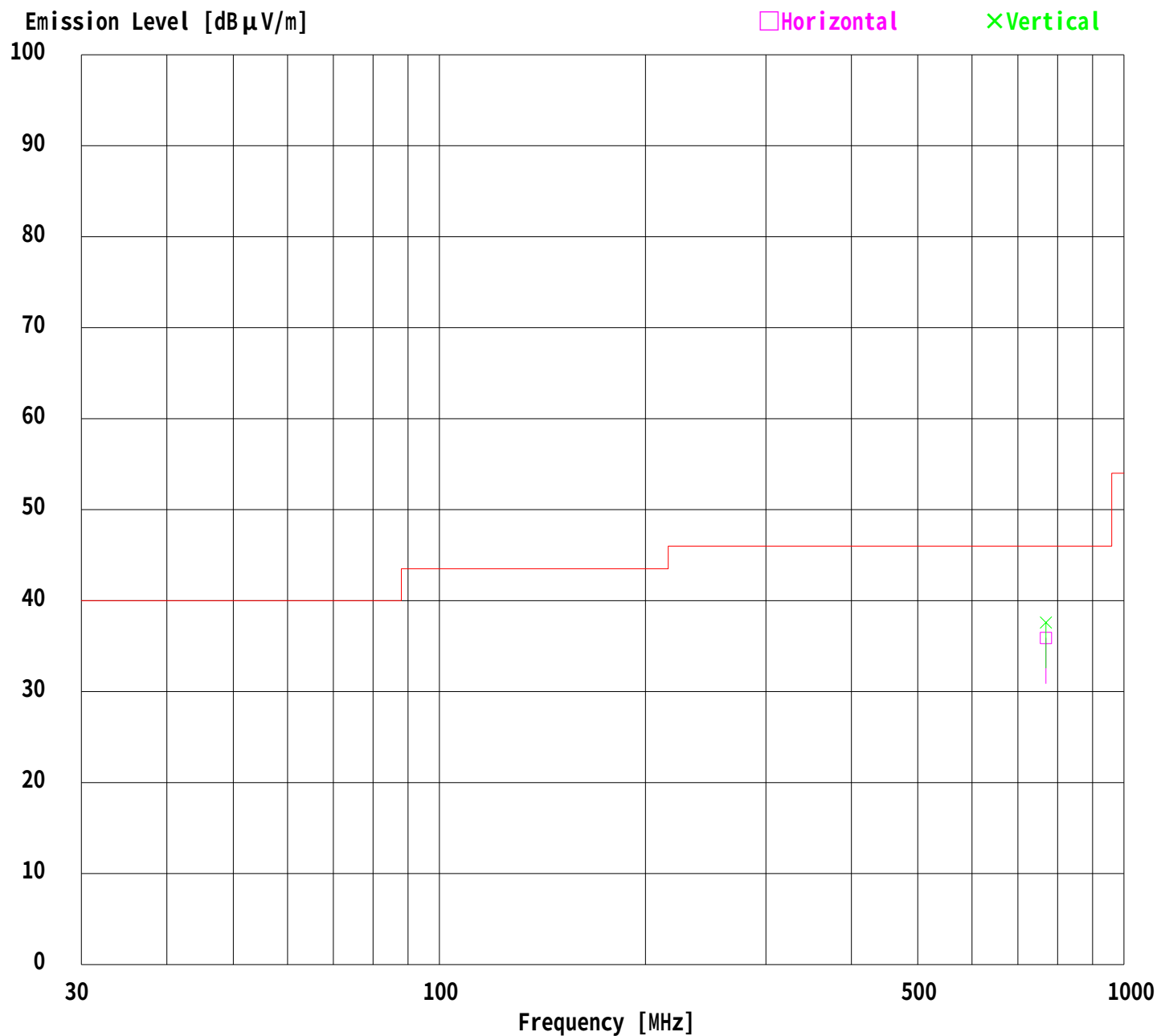
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 1Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
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Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	41.50	BB	37.3	38.5	14.7	29.9	1.5	5.9	29.5	30.7	40.0	10.5	9.3
2.	259.99	BB	27.7	26.4	17.8	29.9	3.9	6.0	25.5	24.2	46.0	20.5	21.8
3.	384.32	BB	31.1	38.7	16.0	30.0	4.9	6.0	28.0	35.6	46.0	18.0	10.4
4.	405.02	BB	33.5	37.1	16.5	30.0	5.1	6.0	31.1	34.7	46.0	14.9	11.3
5.	571.40	BB	26.2	29.9	18.8	30.0	6.3	6.0	27.3	31.0	46.0	18.7	15.0
6.	769.25	BB	31.0	32.7	21.3	29.9	7.5	6.0	35.9	37.6	46.0	10.1	8.4

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

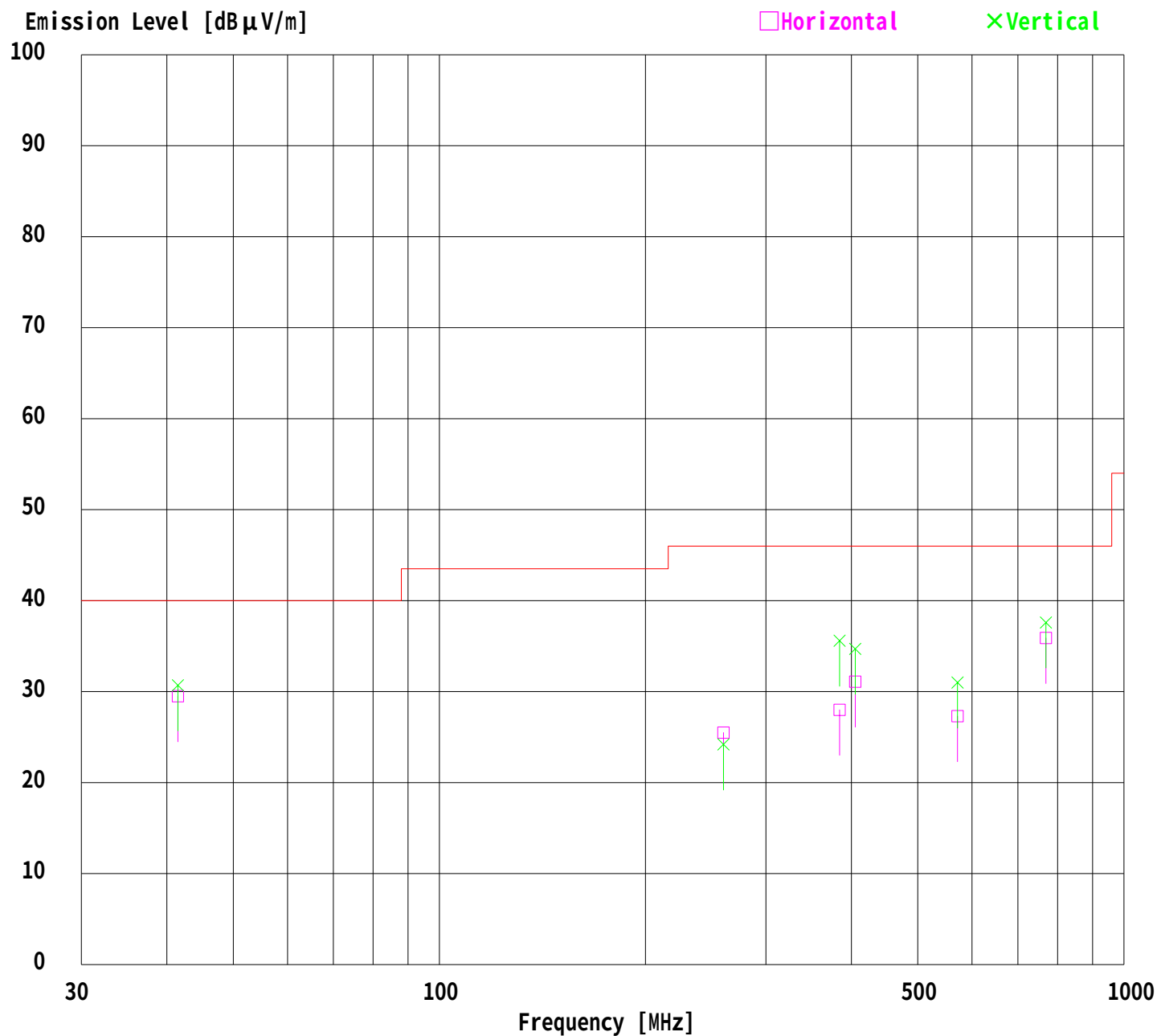
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1054.01	BB	53.7	56.7	25.2	38.7	2.7	0.0	42.9	45.9	74.0	31.1	28.1
2.	1366.30	BB	71.2	70.6	26.7	38.4	3.1	0.0	62.6	62.0	74.0	11.4	12.0
3.	1548.00	BB	52.4	53.1	27.7	38.0	3.3	0.0	45.4	46.1	74.0	28.6	27.9

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

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

DATA OF RADIATION TEST

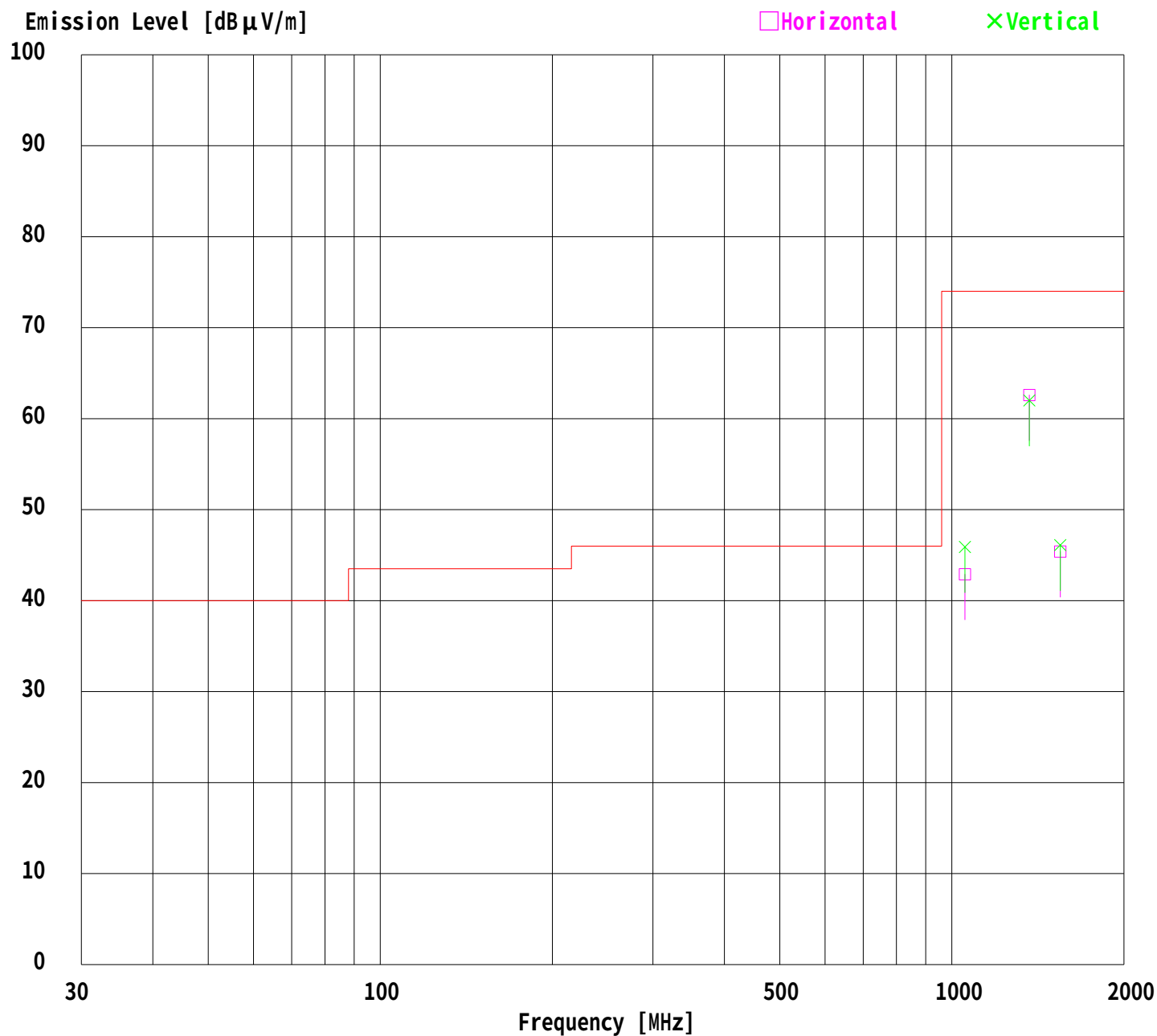
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1054.01	BB	43.6	47.1	25.2	38.7	2.7	0.0	32.8	36.3	54.0	21.2	17.7
2.	1366.30	BB	42.7	42.2	26.7	38.4	3.1	0.0	34.1	33.6	54.0	19.9	20.4
3.	1548.00	BB	38.9	37.7	27.7	38.0	3.3	0.0	31.9	30.7	54.0	22.1	23.3

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

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

DATA OF RADIATION TEST

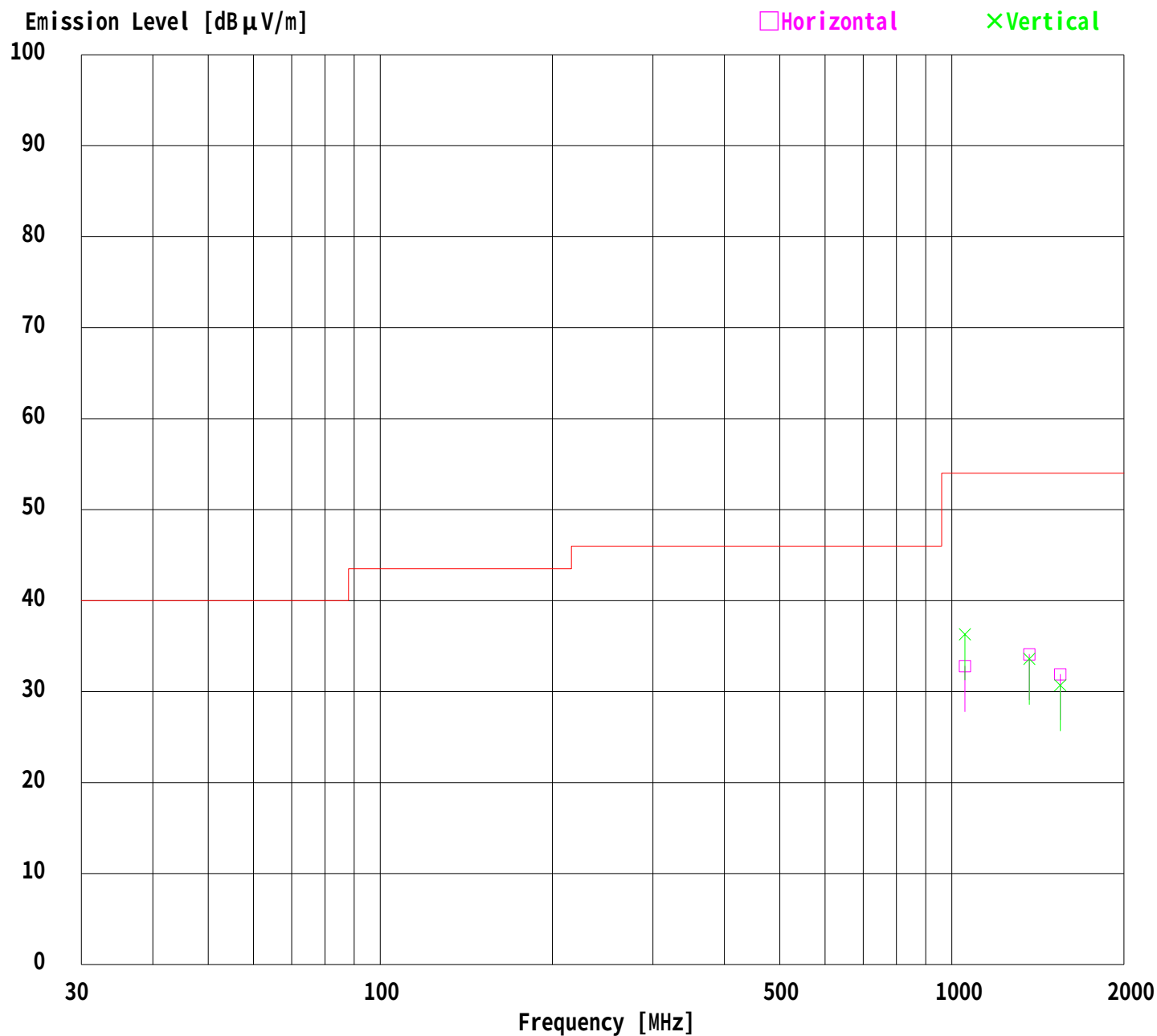
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : AV2 Input+ Rec
Remarks : 5Vp-p Input
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	41.43	BB	37.8	38.6	14.7	29.9	1.5	5.9	30.0	30.8	40.0	10.0	9.2
2.	260.00	BB	27.1	26.4	17.8	29.9	3.9	6.0	24.9	24.2	46.0	21.1	21.8
3.	384.66	BB	30.7	38.5	16.0	30.0	4.9	6.0	27.6	35.4	46.0	18.4	10.6
4.	405.01	BB	33.1	36.5	16.5	30.0	5.1	6.0	30.7	34.1	46.0	15.3	11.9
5.	571.30	BB	26.6	30.4	18.8	30.0	6.3	6.0	27.7	31.5	46.0	18.3	14.5
6.	769.60	BB	30.0	32.2	21.3	29.9	7.5	6.0	34.9	37.1	46.0	11.1	8.9

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

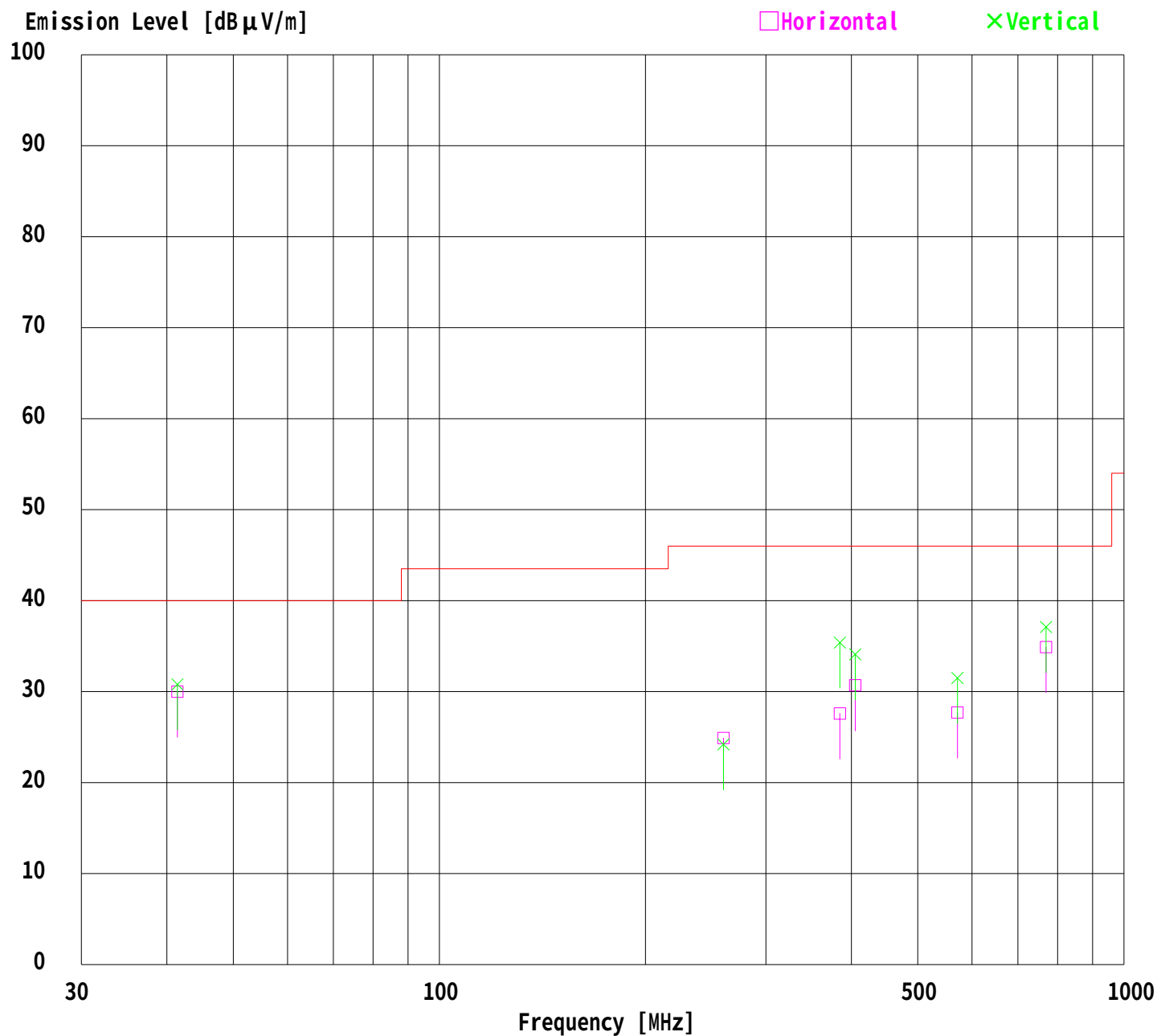
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

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Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
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Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
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Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

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Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.95	BB	52.5	55.9	25.2	38.7	2.7	0.0	41.7	45.1	74.0	32.3	28.9
2.	1366.69	BB	71.7	70.2	26.7	38.4	3.1	0.0	63.1	61.6	74.0	10.9	12.4
3.	1549.50	BB	53.2	51.8	27.7	38.0	3.3	0.0	46.2	44.8	74.0	27.8	29.2

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

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

DATA OF RADIATION TEST

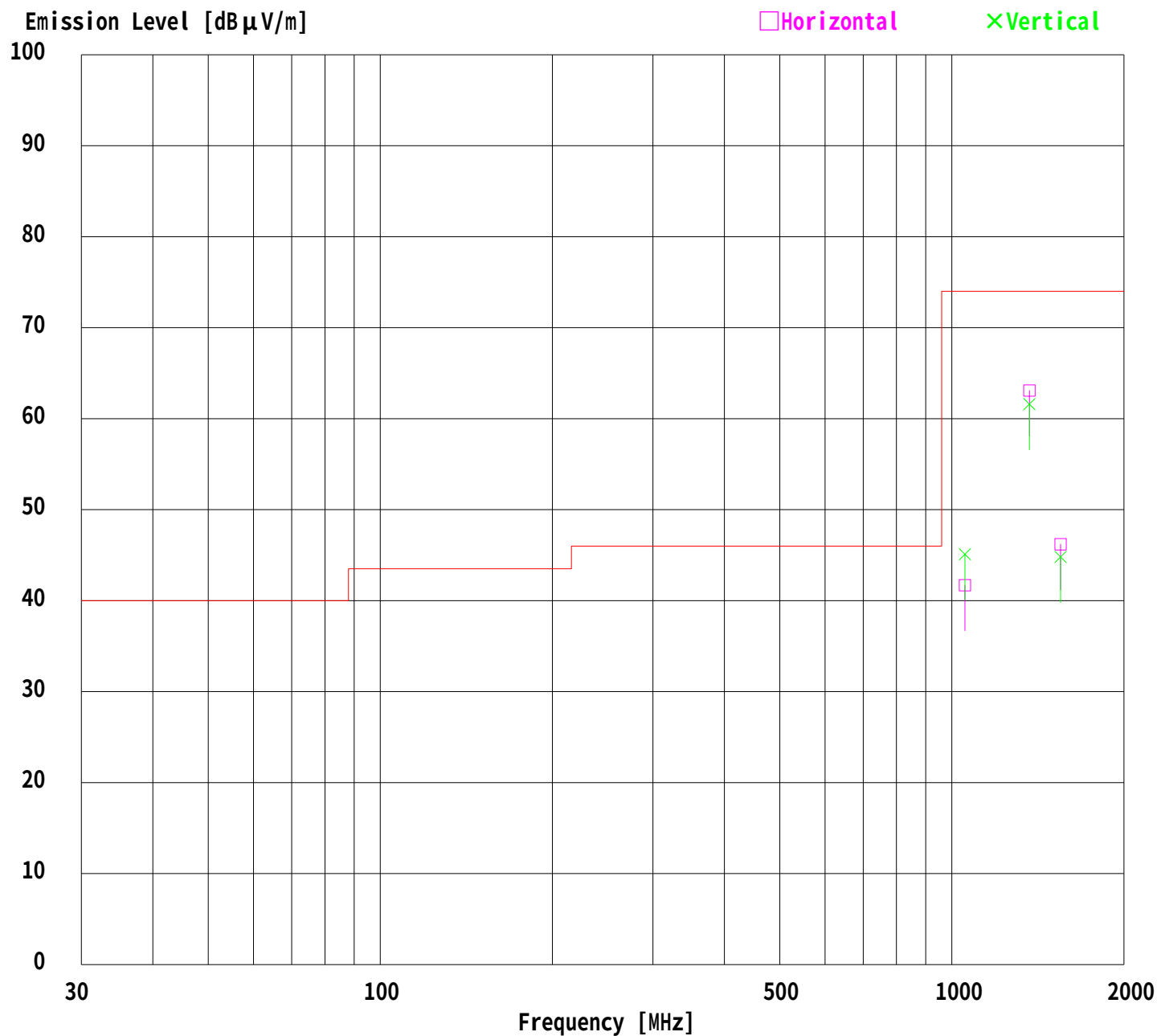
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.95	BB	42.5	46.4	25.2	38.7	2.7	0.0	31.7	35.6	54.0	22.3	18.4
2.	1366.69	BB	42.8	42.7	26.7	38.4	3.1	0.0	34.2	34.1	54.0	19.8	19.9
3.	1549.50	BB	37.1	37.4	27.7	38.0	3.3	0.0	30.1	30.4	54.0	23.9	23.6

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

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

DATA OF RADIATION TEST

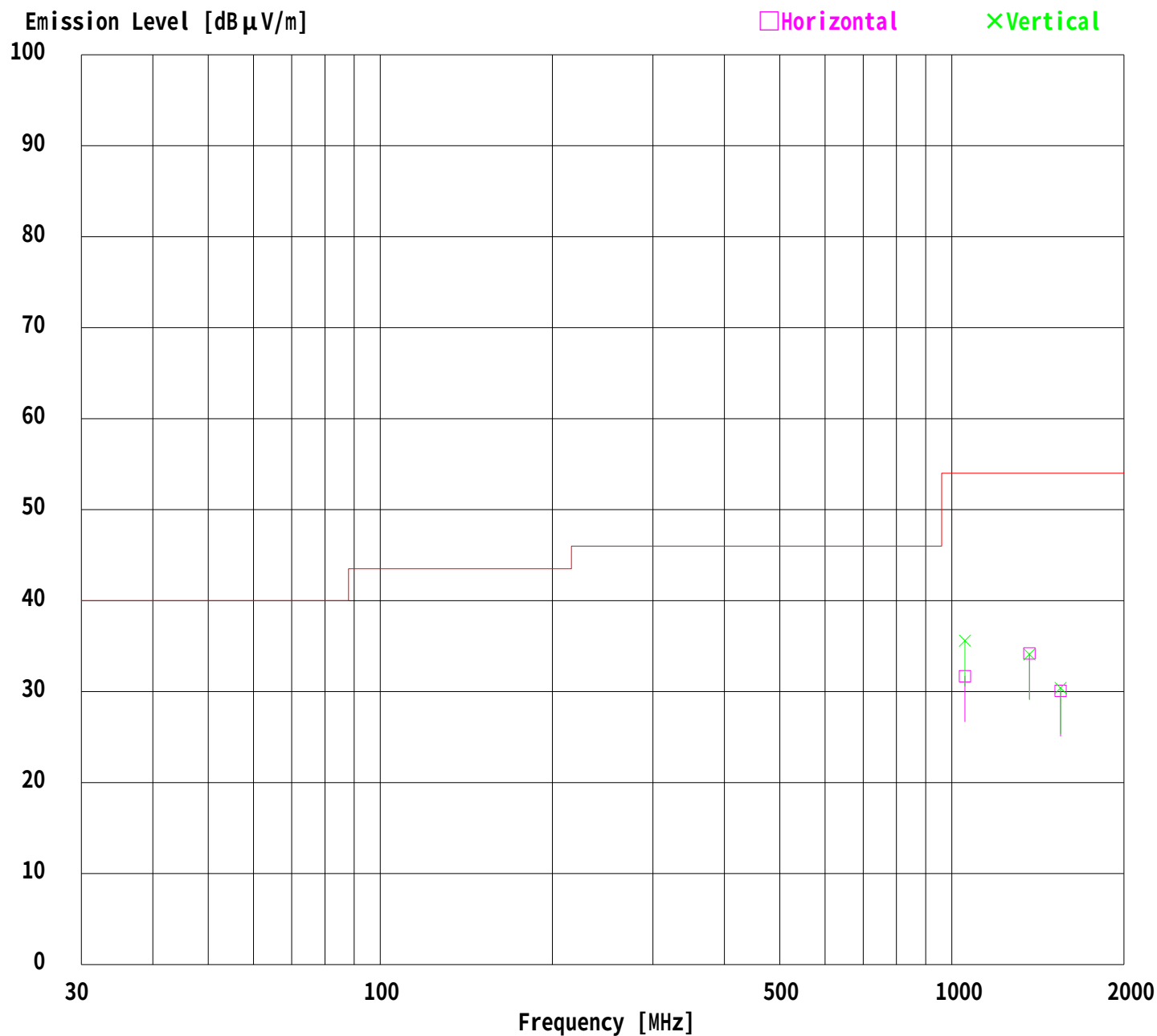
UL Apex Co., Ltd.

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Report No.: 24KE0259-YW-1

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Kind of Equipment : DVD-RW/VCR
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Power : AC120V/60Hz
Mode : VCR Playback+Rec
Remarks : -
Date : 6/27/2004
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Temperature : 28 °C
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DATA OF RADIATION TEST

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Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	41.42	BB	37.7	38.3	14.7	29.9	1.5	5.9	29.9	30.5	40.0	10.1	9.5
2.	260.00	BB	27.8	24.1	17.8	29.9	3.9	6.0	25.6	21.9	46.0	20.4	24.1
3.	308.57	BB	37.6	32.9	14.2	29.9	4.3	6.0	32.2	27.5	46.0	13.8	18.5
4.	384.68	BB	32.4	38.6	16.0	30.0	4.9	6.0	29.3	35.5	46.0	16.7	10.5
5.	405.05	BB	33.0	36.9	16.5	30.0	5.1	6.0	30.6	34.5	46.0	15.4	11.5
6.	526.98	BB	28.3	37.1	17.9	30.1	6.0	6.0	28.1	36.9	46.0	17.9	9.1
7.	571.39	BB	26.3	31.5	18.8	30.0	6.3	6.0	27.4	32.6	46.0	18.6	13.4
8.	655.72	BB	33.5	34.5	20.2	29.9	6.8	6.0	36.6	37.6	46.0	9.4	8.4
9.	769.49	BB	30.4	33.1	21.3	29.9	7.5	6.0	35.3	38.0	46.0	10.7	8.0

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

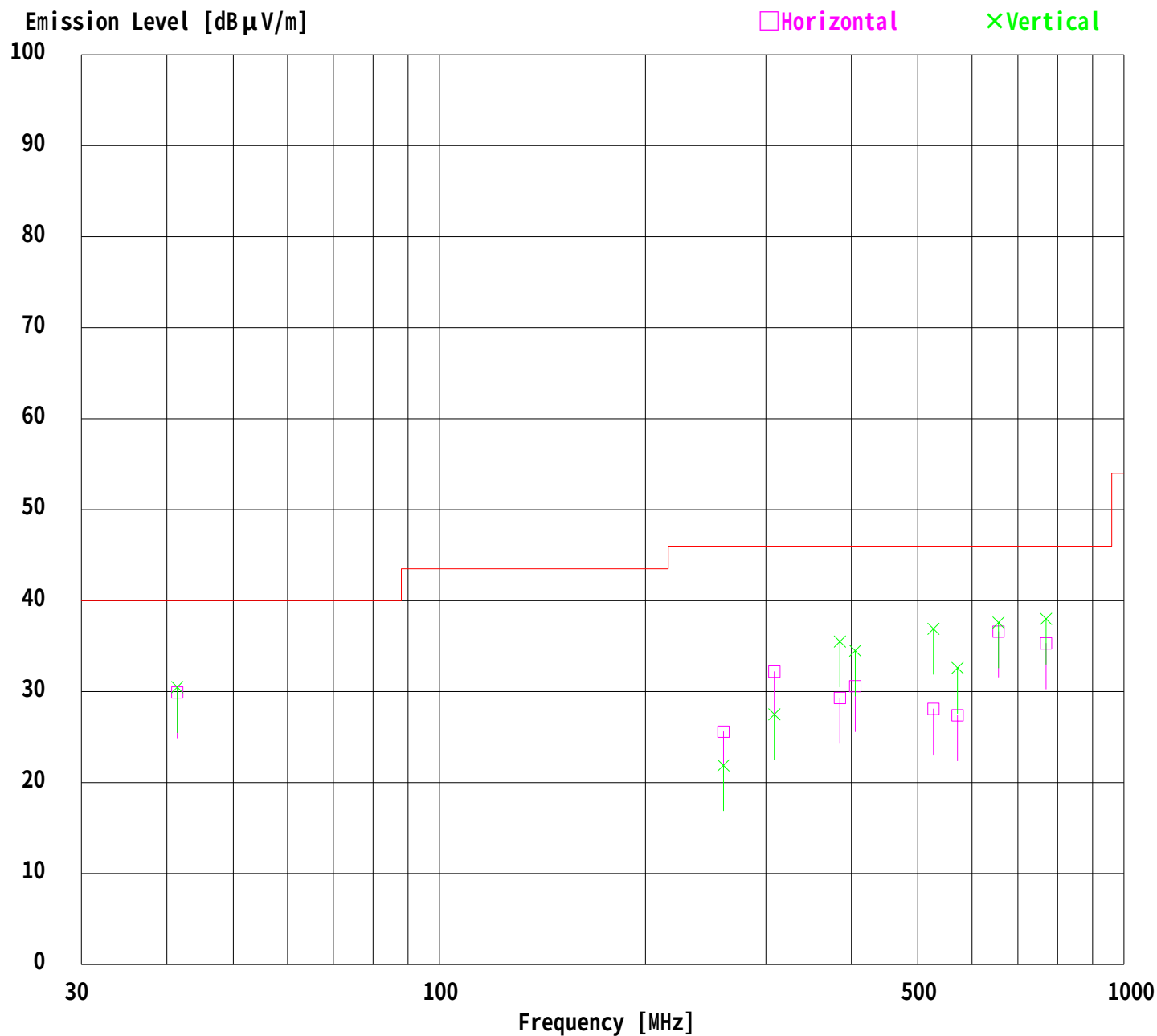
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks :
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.95	BB	56.5	55.8	25.2	38.7	2.7	0.0	45.7	45.0	74.0	28.3	29.0
2.	1320.02	BB	50.9	53.2	26.5	38.4	3.0	0.0	42.0	44.3	74.0	32.0	29.7
3.	1549.48	BB	54.4	54.2	27.7	38.0	3.3	0.0	47.4	47.2	74.0	26.6	26.8

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

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

DATA OF RADIATION TEST

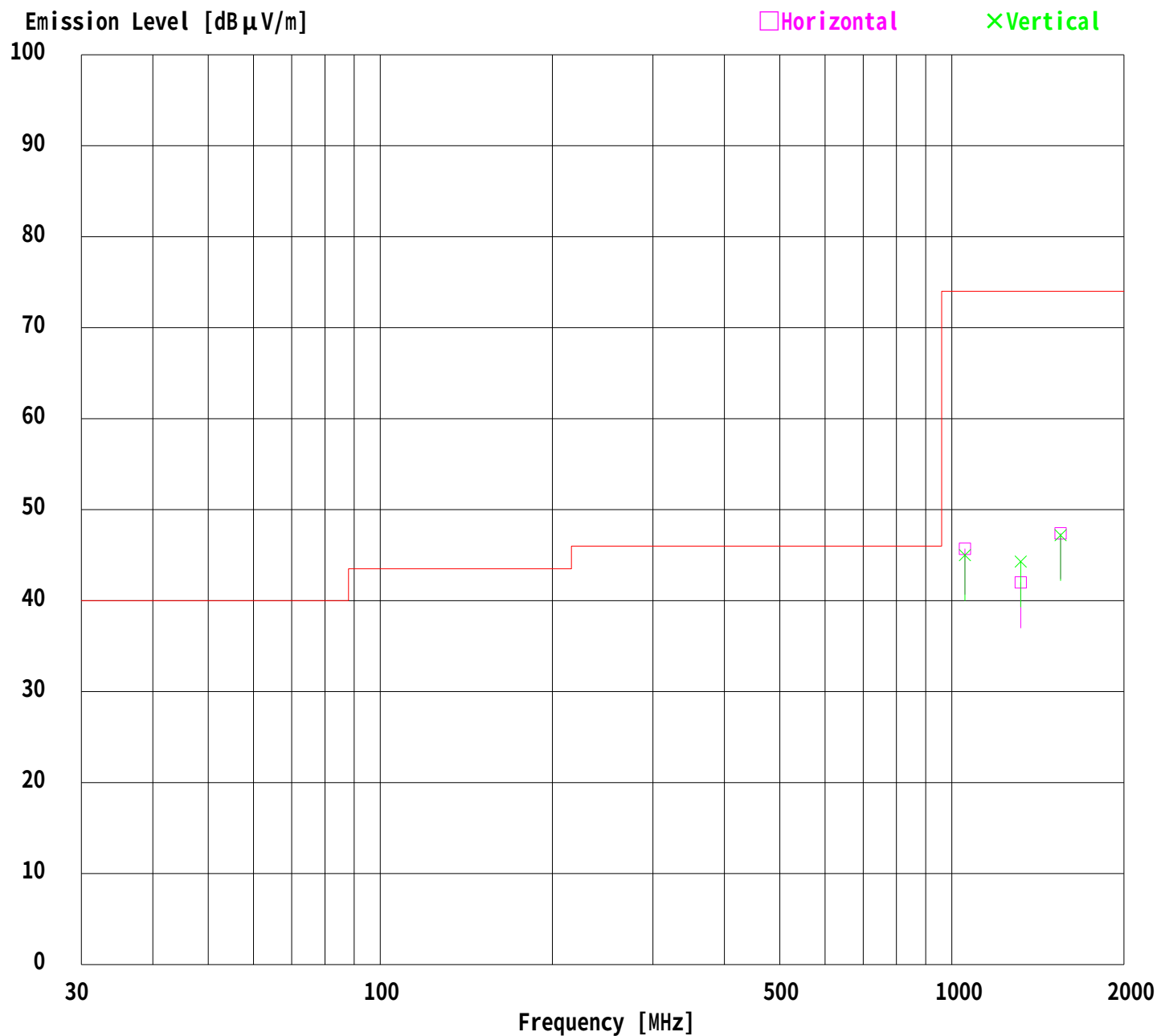
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks :
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Peak Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C Engineer : Tsubasa Takayama
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	1053.95	BB	43.0	42.0	25.2	38.7	2.7	0.0	32.2	31.2	54.0	21.8	22.8
2.	1320.02	BB	38.6	43.8	26.5	38.4	3.0	0.0	29.7	34.9	54.0	24.3	19.1
3.	1549.48	BB	37.4	36.4	27.7	38.0	3.3	0.0	30.4	29.4	54.0	23.6	24.6

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

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

DATA OF RADIATION TEST

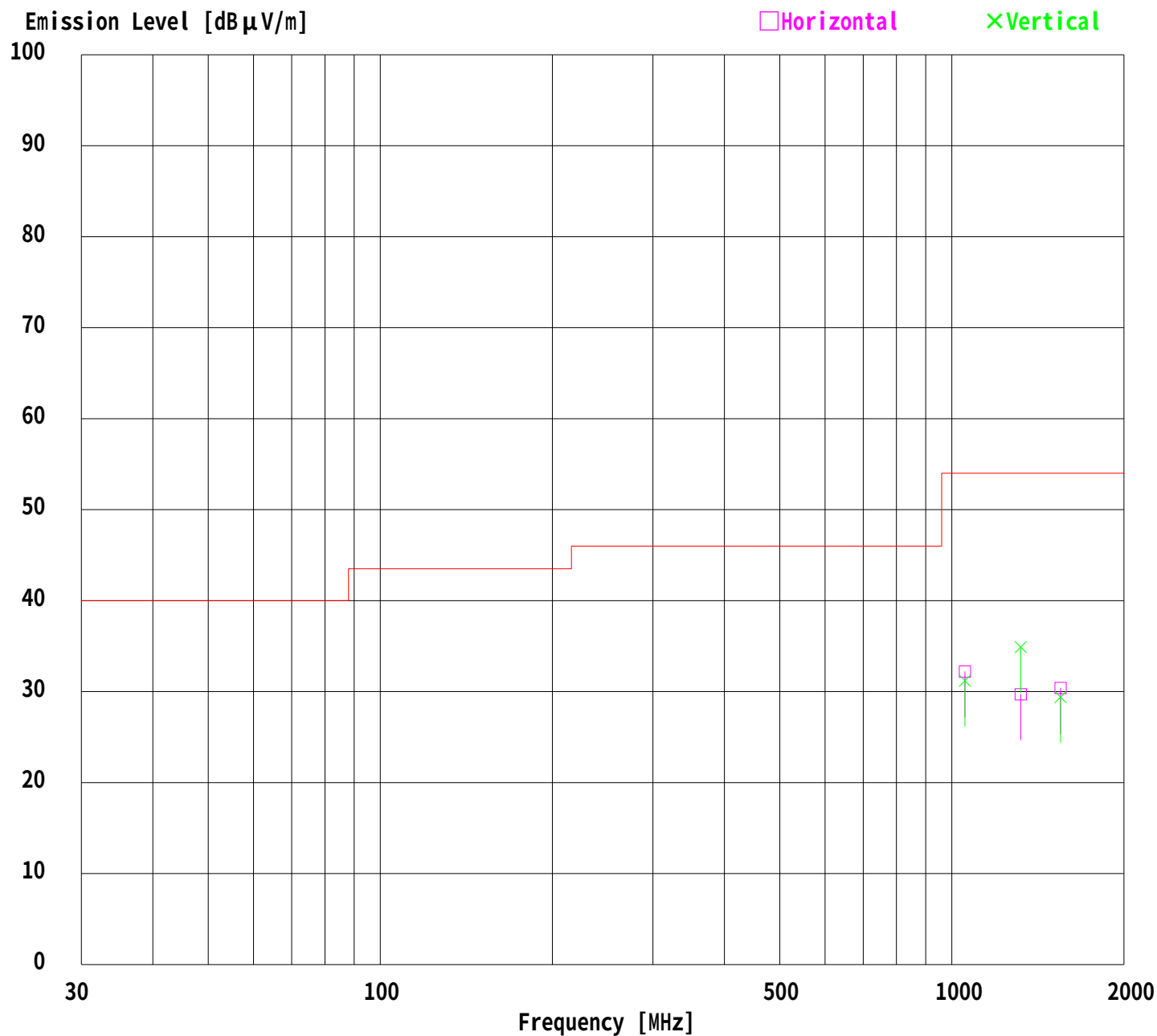
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : -
Date : 6/27/2004
Test Distance : 3 m
Temperature : 28 °C
Humidity : 44 %
Regulation : FCC Part15B CLASS B(Average Limit / Upper1GHz)

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : Test Channel #3
Date : 6/27/2004
Test Distance : 3 m
Temperature : 23 °C
Humidity : 34 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	61.25	BB	23.6	25.6	8.4	29.8	1.8	5.9	9.9	11.9	40.0	30.1	28.1
2.	65.75	BB	25.6	27.0	7.6	29.8	1.9	5.9	11.2	12.6	40.0	28.8	27.4
3.	122.50	BB	24.9	23.4	13.6	29.7	2.5	5.9	17.2	15.7	43.5	26.3	27.8
4.	245.00	BB	22.1	22.3	17.1	29.9	3.7	5.9	18.9	19.1	46.0	27.1	26.9

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

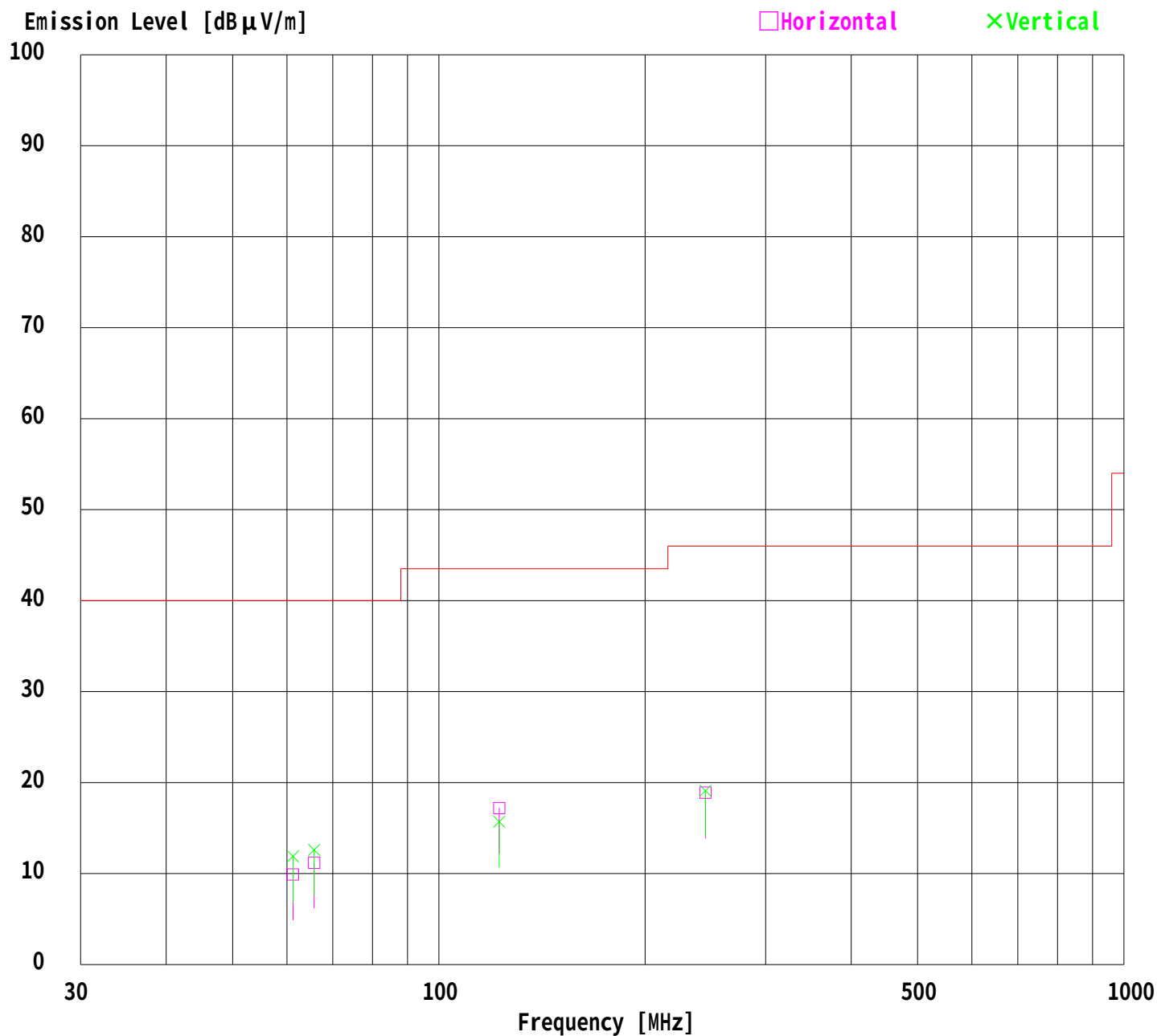
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : Test Channel #3
Date : 6/27/2004
Test Distance : 3 m
Temperature : 23 °C
Humidity : 34 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF RADIATION TEST

UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : Test Channel #4
Date : 6/27/2004
Test Distance : 3 m
Temperature : 23 °C
Humidity : 34 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]		HOR [dB]	VER [dB]
1.	67.25	BB	25.0	24.2	7.4	29.8	1.9	5.9	10.4	9.6	40.0	29.6	30.4
2.	71.75	BB	24.5	24.6	6.9	29.8	2.0	5.9	9.5	9.6	40.0	30.5	30.4
3.	134.50	BB	25.6	24.5	14.5	29.8	2.6	5.9	18.8	17.7	43.5	24.7	25.8
4.	201.75	BB	23.6	23.7	17.0	29.9	3.3	5.9	19.9	20.0	43.5	23.6	23.5

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

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

DATA OF RADIATION TEST

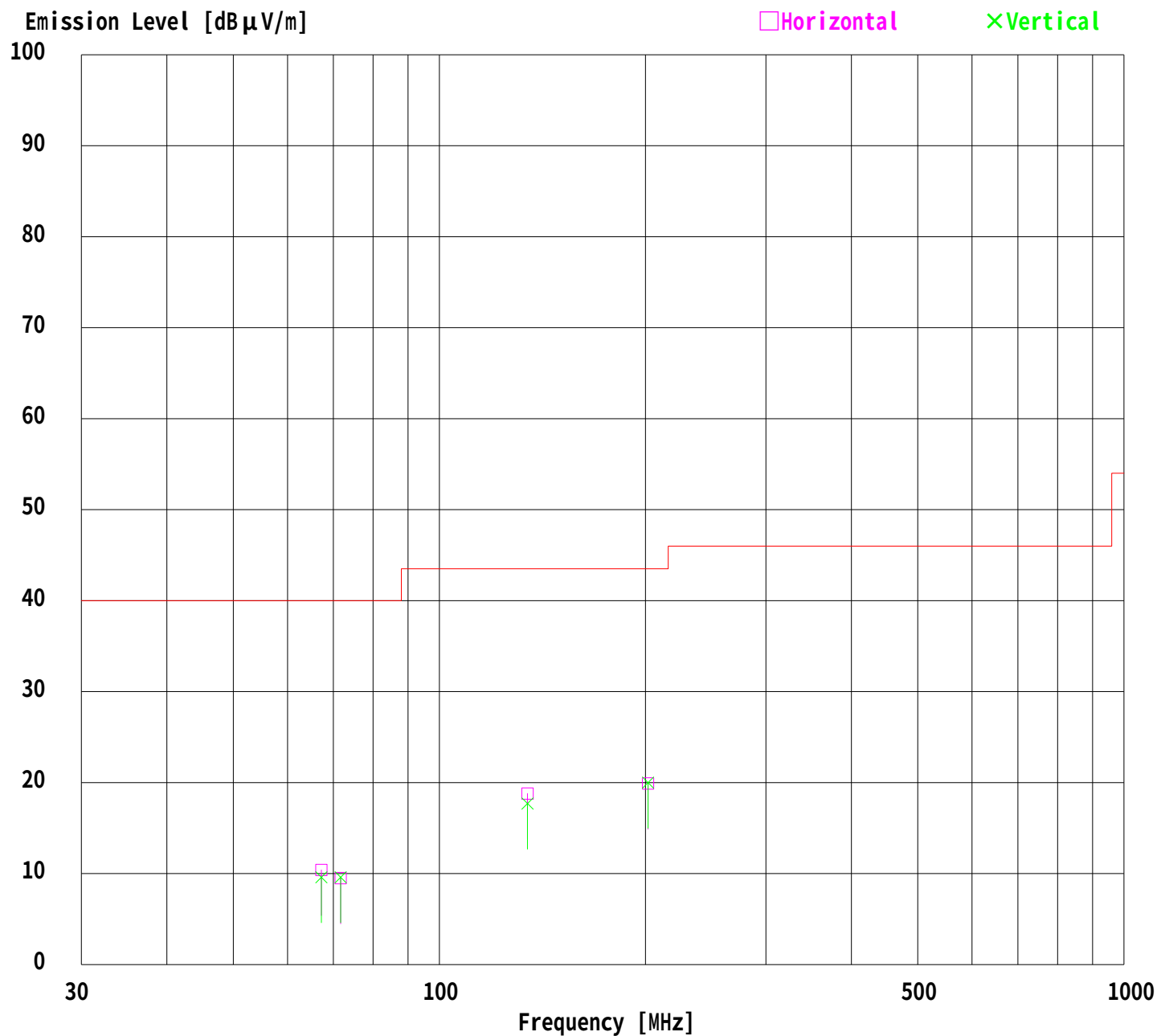
UL Apex Co., Ltd.

YOKOWA No.2 OPEN TEST SITE

Report No.: 24KE0259-YW-1

Applicant : Orion Electric Co.,Ltd.
Kind of Equipment : DVD-RW/VCR
Model No. : DVR-RT500-S
Serial No. : -
Power : AC120V/60Hz
Mode : DVD Play
Remarks : Test Channel #4
Date : 6/27/2004
Test Distance : 3 m
Temperature : 23 °C
Humidity : 34 %
Regulation : FCC Part15B CLASS B

Engineer : Tsubasa Takayama



DATA OF ANTENNA TERMINAL TEST

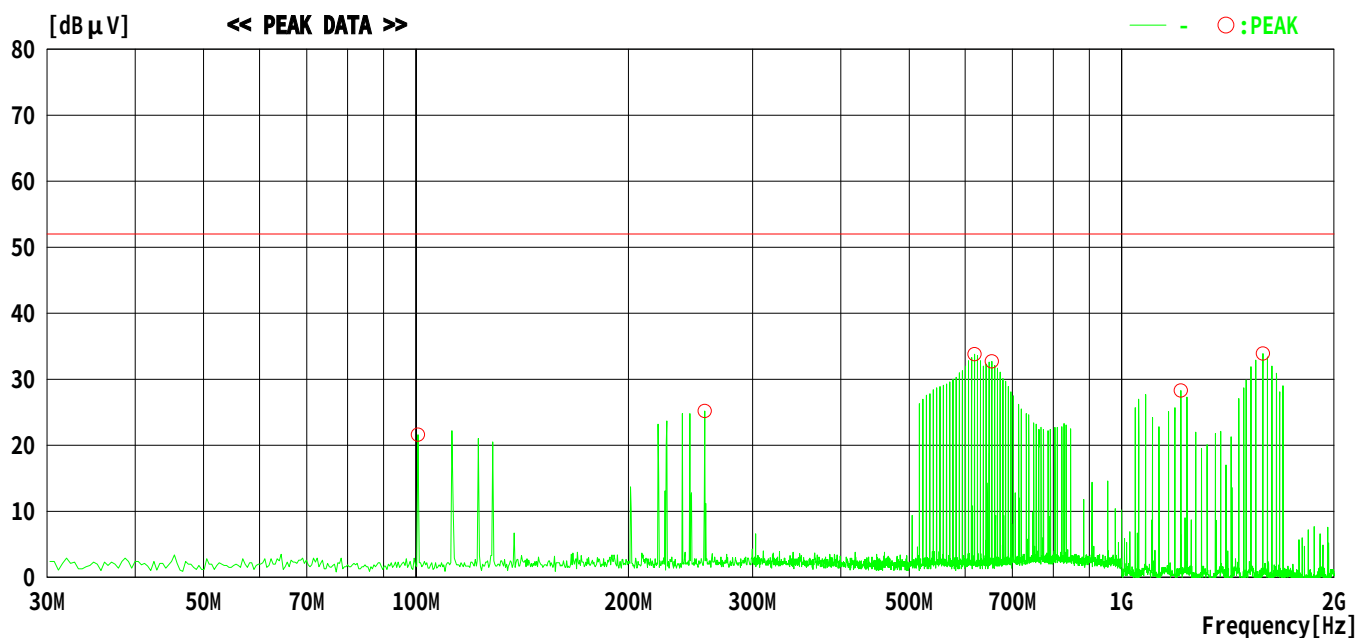
UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
OPERATION MODE : TV Tuning mode

REPORT NO : 24KE0259-YW-1
DATE : June 29,2004
REGULATION : FCC 15B
TEST ENGINEER : Tsubasa Takayama

TEMP./HUMID. : 26°C/68%

LIMIT : FCC 15B ANTENNA TERMINAL



NO	FREQ [MHz]	READING PEAK [dB μV]	C.F [dB]	RESULT [dB μV]	LIMIT		MARGIN		PHASE
					QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]	
1	100.66400	41.2	-19.6	21.6	52.0	----	30.4	----	-
2	256.59350	44.2	-19.0	25.2	52.0	----	26.8	----	-
3	618.85350	54.0	-20.2	33.8	52.0	----	18.2	----	-
4	654.85240	52.8	-20.1	32.7	52.0	----	19.3	----	-
5	1213.55800	57.8	-29.5	28.3	52.0	----	23.7	----	-
6	1585.70800	63.0	-29.1	33.9	52.0	----	18.1	----	-

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

DATA OF ANTENNA TERMINAL TEST

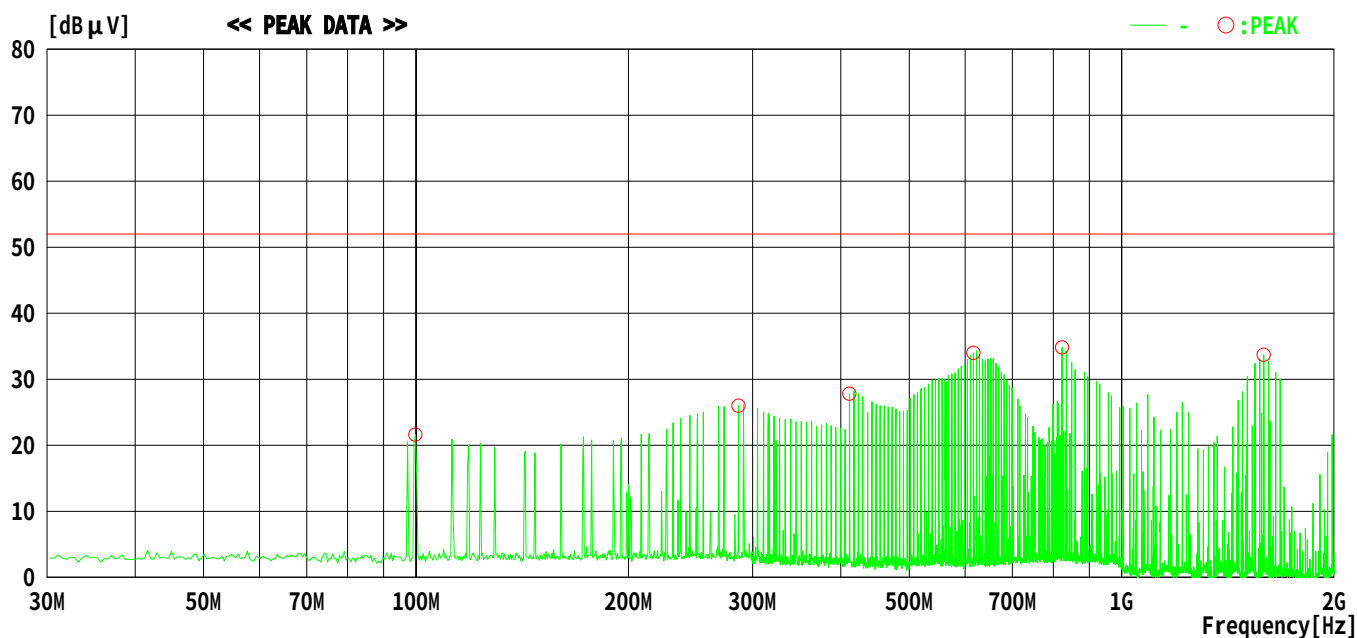
UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
OPERATION MODE : CATV Tuning mode

REPORT NO : 24KE0259-YW-1
DATE : June 29,2004
REGULATION : FCC 15B
TEST ENGINEER : Tsubasa Takayama

TEMP./HUMID. : 26°C/68%

LIMIT : FCC 15B ANTENNA TERMINAL



NO	FREQ [MHz]	READING PEAK [dB μ V]	C.F [dB]	RESULT [dB μ V]	LIMIT		MARGIN		PHASE
					QP [dB μ V]	AV [dB μ V]	QP [dB]	AV [dB]	
1	99.82113	41.2	-19.6	21.6	52.0	----	30.4	----	-
2	286.51410	45.0	-19.0	26.0	52.0	----	26.0	----	-
3	411.42520	47.5	-19.7	27.8	52.0	----	24.2	----	-
4	616.85360	54.2	-20.2	34.0	52.0	----	18.0	----	-
5	823.43360	54.5	-19.7	34.8	52.0	----	17.2	----	-
6	1590.70800	62.8	-29.1	33.7	52.0	----	18.3	----	-

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

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: TV Reception + Rec (0dBmV)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.9	21.7	66.2	69.5	3.3
4	67.25	87.5	22.0	65.5	69.5	4.0

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	74.0	21.9	52.1	56.5	4.4
	65.75	73.0	22.0	51.0	56.5	5.5
4	62.75	72.8	21.9	50.9	56.5	5.6
	71.75	71.7	22.0	49.7	56.5	6.8

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: TV Reception + Rec(25dBmV)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.7	21.7	66.0	69.5	3.5
4	67.25	87.3	22.0	65.3	69.5	4.2

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.5	21.9	50.6	56.5	5.9
	65.75	71.3	22.0	49.3	56.5	7.2
4	62.75	73.0	21.9	51.1	56.5	5.4
	71.75	71.9	22.0	49.9	56.5	6.6

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: AV Input1 + Rec(1Vp-p)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.8	21.7	66.1	69.5	3.4
4	67.25	87.4	22.0	65.4	69.5	4.1

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	74.1	21.9	52.2	56.5	4.3
	65.75	72.4	22.0	50.4	56.5	6.1
4	62.75	73.0	21.9	51.1	56.5	5.4
	71.75	71.7	22.0	49.7	56.5	6.8

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: AV Input1 + Rec(5Vp-p)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	88.2	21.7	66.5	69.5	3.0
4	67.25	87.4	22.0	65.4	69.5	4.1

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	73.8	21.9	51.9	56.5	4.6
	65.75	73.0	22.0	51.0	56.5	5.5
4	62.75	73.1	21.9	51.2	56.5	5.3
	71.75	72.0	22.0	50.0	56.5	6.5

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: AV Input2 + Rec(1Vp-p)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.8	21.7	66.1	69.5	3.4
4	67.25	87.3	22.0	65.3	69.5	4.2

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	74.1	21.9	52.2	56.5	4.3
	65.75	73.1	22.0	51.1	56.5	5.4
4	62.75	73.0	21.9	51.1	56.5	5.4
	71.75	71.9	22.0	49.9	56.5	6.6

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: AV Input2+ Rec (5Vp-p)	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	88.2	21.7	66.5	69.5	3.0
4	67.25	87.0	22.0	65.0	69.5	4.5

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	74.0	21.9	52.1	56.5	4.4
	65.75	73.0	22.0	51.0	56.5	5.5
4	62.75	73.4	21.9	51.5	56.5	5.0
	71.75	72.0	22.0	50.0	56.5	6.5

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: VCR Playback + Rec.	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	88.0	21.7	66.3	69.5	3.2
4	67.25	87.3	22.0	65.3	69.5	4.2

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	73.7	21.9	51.8	56.5	4.7
	65.75	72.5	22.0	50.5	56.5	6.0
4	62.75	73.0	21.9	51.1	56.5	5.4
	71.75	72.2	22.0	50.2	56.5	6.3

RF output level

UL Apex Co., LTD.
YOKOWA EMC LAB.

Company	: Orion Electric Co.,Ltd.	Report Number	: 24KE0259-YW-1
Equipment	: DVD-RW/VCR	Regulation	: FCC Part15B Subpart B
Model number	: DVR-RT500-S	Date	: July 01,2004
Power	: AC 120 V / 60 Hz	Temp./Humid	: 24°C/34%
Description	: DVD Play	Engineer	: Tsubasa Takayama

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.6	21.7	65.9	69.5	3.6
4	67.25	87.5	22.0	65.5	69.5	4.0

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	74.8	21.9	52.9	56.5	3.6
	65.75	73.4	22.0	51.4	56.5	5.1
4	62.75	74.1	21.9	52.2	56.5	4.3
	71.75	72.8	22.0	50.8	56.5	5.7

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	36.3600	41.9	----	-22.2	19.7	----	39.5	----	19.8	----	-
2	43.5000	46.7	----	-22.1	24.6	----	39.5	----	14.9	----	-
3	50.7100	46.5	----	-22.2	24.3	----	39.5	----	15.2	----	-
4	86.4300	36.0	----	-22.0	14.0	----	39.5	----	25.5	----	-
5	122.7100	37.4	----	-21.8	15.6	----	39.5	----	23.9	----	-
6	735.6000	35.0	----	-21.8	13.2	----	39.5	----	26.3	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	32.6400	35.8	----	-22.2	13.6	----	39.5	----	25.9	----	-
2	55.3600	47.0	----	-22.1	24.9	----	39.5	----	14.6	----	-
3	90.0300	29.2	----	-22.0	7.2	----	39.5	----	32.3	----	-
4	122.7100	37.7	----	-21.8	15.9	----	39.5	----	23.6	----	-
5	368.3000	30.3	----	-22.2	8.1	----	39.5	----	31.4	----	-
6	613.4000	31.4	----	-21.9	9.5	----	39.5	----	30.0	----	-
7	735.6000	35.4	----	-21.8	13.6	----	39.5	----	25.9	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	47.8600	36.4	----	-22.2	14.2	----	39.5	----	25.3	----	-
2	75.0000	35.0	----	-21.9	13.1	----	39.5	----	26.4	----	-
3	122.7100	37.1	----	-21.8	15.3	----	39.5	----	24.2	----	-
4	367.4000	27.8	----	-22.2	5.6	----	39.5	----	33.9	----	-
5	612.3000	28.6	----	-21.8	6.8	----	39.5	----	32.7	----	-
6	734.7000	34.6	----	-21.8	12.8	----	39.5	----	26.7	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	48.0000	36.8	----	-22.2	14.6	----	39.5	----	24.9	----	-
2	75.0000	35.7	----	-21.9	13.8	----	39.5	----	25.7	----	-
3	122.5700	37.6	----	-21.8	15.8	----	39.5	----	23.7	----	-
4	183.8600	28.5	----	-21.7	6.8	----	39.5	----	32.7	----	-
5	245.0000	27.5	----	-21.8	5.7	----	39.5	----	33.8	----	-
6	612.3000	27.7	----	-21.8	5.9	----	39.5	----	33.6	----	-
7	734.7000	35.2	----	-21.8	13.4	----	39.5	----	26.1	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	32.7900	36.4	----	-22.2	14.2	----	39.5	----	25.3	----	-
2	54.2900	38.1	----	-22.1	16.0	----	39.5	----	23.5	----	-
3	90.0300	30.5	----	-22.0	8.5	----	39.5	----	31.0	----	-
4	122.7100	37.4	----	-21.8	15.6	----	39.5	----	23.9	----	-
5	184.0000	30.6	----	-21.7	8.9	----	39.5	----	30.6	----	-
6	368.3000	30.3	----	-22.2	8.1	----	39.5	----	31.4	----	-
7	657.7000	31.8	----	-21.7	10.1	----	39.5	----	29.4	----	-
8	735.6000	35.3	----	-21.8	13.5	----	39.5	----	26.0	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	47.8600	36.2	----	-22.2	14.0	----	39.5	----	25.5	----	-
2	75.0000	35.3	----	-21.9	13.4	----	39.5	----	26.1	----	-
3	122.5700	35.9	----	-21.8	14.1	----	39.5	----	25.4	----	-
4	183.8600	32.2	----	-21.7	10.5	----	39.5	----	29.0	----	-
5	657.7000	31.7	----	-21.7	10.0	----	39.5	----	29.5	----	-
6	735.6000	34.3	----	-21.8	12.5	----	39.5	----	27.1	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback+Rec : 3ch

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	32.7100	36.4	----	-22.2	14.2	----	39.5	----	25.3	----	-
2	54.5000	40.3	----	-22.1	18.2	----	39.5	----	21.3	----	-
3	75.0000	34.7	----	-21.9	12.8	----	39.5	----	26.7	----	-
4	90.0000	31.2	----	-22.0	9.2	----	39.5	----	30.3	----	-
5	122.7100	37.5	----	-21.8	15.7	----	39.5	----	23.8	----	-
6	184.0000	32.1	----	-21.7	10.4	----	39.5	----	29.1	----	-
7	735.6000	36.5	----	-21.8	14.7	----	39.5	----	24.8	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play : 3ch

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	47.1400	40.1	----	-22.1	18.0	----	39.5	----	21.5	----	-
2	54.3600	47.1	----	-22.1	25.0	----	39.5	----	14.5	----	-
3	68.6400	45.6	----	-22.0	23.6	----	39.5	----	15.9	----	-
4	122.8000	37.3	----	-21.8	15.5	----	39.5	----	24.0	----	-
5	184.0700	27.7	----	-21.7	6.0	----	39.5	----	33.5	----	-
6	613.4000	31.8	----	-21.9	9.9	----	39.5	----	29.6	----	-
7	735.6000	34.6	----	-21.8	12.8	----	39.5	----	26.7	----	-
8	791.7000	34.9	----	-21.2	13.7	----	39.5	----	25.8	----	-
9	858.6000	33.5	----	-20.9	12.6	----	39.5	----	26.9	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	49.5700	46.8	----	-22.2	24.6	----	39.5	----	14.9	----	-
2	56.7900	47.2	----	-21.9	25.3	----	39.5	----	14.2	----	-
3	85.2300	41.5	----	-22.0	19.5	----	39.5	----	20.0	----	-
4	134.8000	34.4	----	-21.7	12.7	----	39.5	----	26.8	----	-
5	201.9000	29.3	----	-21.6	7.7	----	39.5	----	31.8	----	-
6	404.3000	30.6	----	-22.3	8.3	----	39.5	----	31.2	----	-
7	673.1000	34.6	----	-21.6	13.0	----	39.5	----	26.5	----	-
8	806.7000	33.3	----	-21.1	12.2	----	39.5	----	27.3	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.6400	36.9	----	-22.1	14.8	----	39.5	----	24.7	----	-
2	55.3600	47.4	----	-22.1	25.3	----	39.5	----	14.2	----	-
3	80.8000	33.3	----	-22.0	11.3	----	39.5	----	28.2	----	-
4	134.7000	35.3	----	-21.7	13.6	----	39.5	----	25.9	----	-
5	404.3000	31.4	----	-22.3	9.1	----	39.5	----	30.4	----	-
6	673.4000	34.4	----	-21.6	12.8	----	39.5	----	26.7	----	-
7	808.0000	35.4	----	-21.1	14.3	----	39.5	----	25.2	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.7900	37.8	----	-22.1	15.7	----	39.5	----	23.9	----	-
2	53.9300	38.4	----	-22.1	16.3	----	39.5	----	23.2	----	-
3	80.8000	34.7	----	-22.0	12.7	----	39.5	----	26.8	----	-
4	134.8000	35.1	----	-21.7	13.4	----	39.5	----	26.1	----	-
5	201.7000	28.8	----	-21.6	7.2	----	39.5	----	32.3	----	-
6	404.3000	29.9	----	-22.3	7.6	----	39.5	----	31.9	----	-
7	673.4000	34.2	----	-21.6	12.6	----	39.5	----	26.9	----	-
8	707.7000	35.3	----	-21.6	13.7	----	39.5	----	25.8	----	-
9	806.7000	33.8	----	-21.1	12.7	----	39.5	----	26.8	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.7900	36.6	----	-22.1	14.5	----	39.5	----	25.0	----	-
2	59.1400	40.9	----	-21.7	19.2	----	39.5	----	20.3	----	-
3	80.8000	34.6	----	-22.0	12.6	----	39.5	----	26.9	----	-
4	134.8000	35.0	----	-21.7	13.3	----	39.5	----	26.2	----	-
5	201.9000	29.7	----	-21.6	8.1	----	39.5	----	31.4	----	-
6	404.3000	31.1	----	-22.3	8.8	----	39.5	----	30.7	----	-
7	673.1000	34.1	----	-21.6	12.5	----	39.5	----	27.0	----	-
8	707.7000	35.6	----	-21.6	14.0	----	39.5	----	25.5	----	-
9	808.0000	35.5	----	-21.1	14.4	----	39.5	----	25.1	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.7900	37.5	----	-22.1	15.4	----	39.5	----	24.1	----	-
2	54.0000	38.4	----	-22.1	16.3	----	39.5	----	23.2	----	-
3	80.8000	35.2	----	-22.0	13.2	----	39.5	----	26.3	----	-
4	134.7100	36.0	----	-21.7	14.3	----	39.5	----	25.2	----	-
5	202.0000	31.0	----	-21.6	9.4	----	39.5	----	30.1	----	-
6	404.3000	30.5	----	-22.3	8.2	----	39.5	----	31.3	----	-
7	673.4000	33.4	----	-21.6	11.8	----	39.5	----	27.7	----	-
8	707.7000	33.8	----	-21.6	12.2	----	39.5	----	27.4	----	-
9	808.0000	33.7	----	-21.1	12.6	----	39.5	----	26.9	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.8000	36.5	----	-22.1	14.4	----	39.5	----	25.1	----	-
2	59.1400	41.7	----	-21.7	20.0	----	39.5	----	19.5	----	-
3	75.7900	39.8	----	-22.0	17.8	----	39.5	----	21.7	----	-
4	80.8000	33.6	----	-22.0	11.6	----	39.5	----	27.9	----	-
5	134.7100	36.0	----	-21.7	14.3	----	39.5	----	25.2	----	-
6	202.0000	30.4	----	-21.6	8.8	----	39.5	----	30.7	----	-
7	404.3000	29.9	----	-22.3	7.6	----	39.5	----	31.9	----	-
8	672.6000	32.6	----	-21.6	11.0	----	39.5	----	28.5	----	-
9	808.0000	35.0	----	-21.1	13.9	----	39.5	----	25.6	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback+Rec : 4ch

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	38.7900	36.4	----	-22.1	14.3	----	39.5	----	25.2	----	-
2	60.3600	39.4	----	-21.6	17.8	----	39.5	----	21.7	----	-
3	74.7100	37.6	----	-21.9	15.7	----	39.5	----	23.8	----	-
4	80.8300	33.9	----	-22.0	11.9	----	39.5	----	27.6	----	-
5	134.7100	35.1	----	-21.7	13.4	----	39.5	----	26.1	----	-
6	404.3000	31.0	----	-22.3	8.7	----	39.5	----	30.8	----	-
7	673.1000	34.6	----	-21.6	13.0	----	39.5	----	26.5	----	-
8	707.7000	35.2	----	-21.6	13.6	----	39.5	----	25.9	----	-
9	808.0000	35.4	----	-21.1	14.3	----	39.5	----	25.2	----	-

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

DATA OF RF SUPRIIOUS TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play : 4ch

LIMIT : FCC 15B RF OUT SPURIOUS

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	56.7900	41.9	----	-21.9	20.0	----	39.5	----	19.5	----	-
2	60.3600	46.4	----	-21.6	24.8	----	39.5	----	14.7	----	-
3	74.6400	44.7	----	-21.9	22.8	----	39.5	----	16.7	----	-
4	81.6600	35.3	----	-22.0	13.3	----	39.5	----	26.3	----	-
5	134.7000	35.7	----	-21.7	14.0	----	39.5	----	25.5	----	-
6	202.0000	30.7	----	-21.6	9.1	----	39.5	----	30.4	----	-
7	404.0000	27.6	----	-22.3	5.3	----	39.5	----	34.2	----	-
8	673.4000	33.3	----	-21.6	11.7	----	39.5	----	27.8	----	-
9	707.7000	34.7	----	-21.6	13.1	----	39.5	----	26.4	----	-
10	808.0000	33.4	----	-21.1	12.3	----	39.5	----	27.2	----	-
11	910.4000	32.1	----	-20.7	11.4	----	39.5	----	28.1	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	24.0	----	-21.7	2.3	----	9.5	----	7.2	----	-
2	122.5000	28.4	----	-21.8	6.6	----	9.5	----	2.9	----	-
3	183.7500	22.0	----	-21.7	0.3	----	9.5	----	9.2	----	-
4	245.0000	26.9	----	-21.8	5.1	----	9.5	----	4.4	----	-
5	306.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
6	367.5000	22.5	----	-22.2	0.3	----	9.5	----	9.2	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	24.0	----	-21.7	2.3	----	9.5	----	7.2	----	-
2	122.5000	27.8	----	-21.8	6.0	----	9.5	----	3.5	----	-
3	183.7500	22.1	----	-21.7	0.4	----	9.5	----	9.1	----	-
4	245.0000	26.5	----	-21.8	4.7	----	9.5	----	4.8	----	-
5	306.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
6	367.5000	23.1	----	-22.2	0.9	----	9.5	----	8.6	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	24.0	----	-21.7	2.3	----	9.5	----	7.2	----	-
2	122.5000	28.2	----	-21.8	6.4	----	9.5	----	3.1	----	-
3	183.7500	22.1	----	-21.7	0.4	----	9.5	----	9.1	----	-
4	245.0000	26.7	----	-21.8	4.9	----	9.5	----	4.6	----	-
5	306.2500	22.1	----	-22.0	0.1	----	9.5	----	9.4	----	-
6	367.5000	22.6	----	-22.2	0.4	----	9.5	----	9.1	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	24.0	----	-21.7	2.3	----	9.5	----	7.2	----	-
2	122.5000	28.1	----	-21.8	6.3	----	9.5	----	3.2	----	-
3	183.7500	22.1	----	-21.7	0.4	----	9.5	----	9.1	----	-
4	245.0000	26.7	----	-21.8	4.9	----	9.5	----	4.6	----	-
5	306.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
6	367.5000	22.6	----	-22.2	0.4	----	9.5	----	9.1	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback+Rec : 3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	23.4	----	-21.7	1.7	----	9.5	----	7.8	----	-
2	122.5000	28.3	----	-21.8	6.5	----	9.5	----	3.0	----	-
3	183.7500	22.5	----	-21.7	0.8	----	9.5	----	8.7	----	-
4	245.0000	26.7	----	-21.8	4.9	----	9.5	----	4.6	----	-
5	306.2500	22.6	----	-21.3	1.3	----	9.5	----	8.2	----	-
6	367.5000	22.3	----	-22.2	0.1	----	9.5	----	9.4	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play : 3ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	61.2500	24.0	----	-21.5	2.5	----	9.5	----	7.0	----	-
2	122.5000	28.3	----	-21.8	6.5	----	9.5	----	3.0	----	-
3	183.7500	22.3	----	-21.7	0.6	----	9.5	----	8.9	----	-
4	245.0000	26.7	----	-21.8	4.9	----	9.5	----	4.6	----	-
5	306.2500	22.0	----	-22.0	0.0	----	9.5	----	9.5	----	-
6	367.5000	22.3	----	-22.2	0.1	----	9.5	----	9.4	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.3	----	-22.0	0.3	----	9.5	----	9.2	----	-
2	134.5000	29.0	----	-21.7	7.3	----	9.5	----	2.2	----	-
3	201.7500	23.4	----	-21.6	1.8	----	9.5	----	7.7	----	-
4	269.0000	25.5	----	-21.8	3.7	----	9.5	----	5.8	----	-
5	336.2500	22.4	----	-22.1	0.3	----	9.5	----	9.2	----	-
6	403.5000	22.5	----	-22.3	0.2	----	9.5	----	9.3	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.3	----	-22.0	0.3	----	9.5	----	9.2	----	-
2	134.5000	29.0	----	-21.7	7.3	----	9.5	----	2.2	----	-
3	201.7500	22.1	----	-21.6	0.5	----	9.5	----	9.0	----	-
4	269.0000	26.7	----	-21.8	4.9	----	9.5	----	4.6	----	-
5	336.2500	22.0	----	-22.1	-0.1	----	9.5	----	9.6	----	-
6	403.5000	23.0	----	-22.3	0.7	----	9.5	----	8.8	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : Av Input2+Rec(1Vp-p) : 4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
2	134.5000	29.0	----	-21.7	7.3	----	9.5	----	2.2	----	-
3	201.7500	23.4	----	-21.6	1.8	----	9.5	----	7.7	----	-
4	269.0000	26.2	----	-21.8	4.4	----	9.5	----	5.1	----	-
5	336.2500	22.3	----	-22.1	0.2	----	9.5	----	9.3	----	-
6	403.5000	22.7	----	-22.3	0.4	----	9.5	----	9.1	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

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

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
2	134.5000	28.7	----	-21.7	7.0	----	9.5	----	2.5	----	-
3	201.7500	23.4	----	-21.6	1.8	----	9.5	----	7.7	----	-
4	269.0000	26.0	----	-21.8	4.2	----	9.5	----	5.3	----	-
5	336.2500	22.3	----	-22.1	0.2	----	9.5	----	9.3	----	-
6	403.5000	22.4	----	-22.3	0.1	----	9.5	----	9.4	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : VCR Playback+Rec : 4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.3	----	-22.0	0.3	----	9.5	----	9.2	----	-
2	134.5000	28.8	----	-21.7	7.1	----	9.5	----	2.4	----	-
3	201.7500	23.4	----	-21.6	1.8	----	9.5	----	7.7	----	-
4	269.0000	26.0	----	-21.8	4.2	----	9.5	----	5.3	----	-
5	336.2500	22.4	----	-22.1	0.3	----	9.5	----	9.2	----	-
6	403.5000	22.5	----	-22.3	0.2	----	9.5	----	9.3	----	-

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

DATA OF ANTENNA TRANSFER SWITCH TEST

UL Apex Co.,Ltd.

COMPANY : Orion Electric Co., Ltd.
EQUIPMENT : DVD-RW/VCR
MODEL : DVR-RT500-S
TEMP./HUMID. : 23°C/43%

REPORT NO : 24KE0259-YW-1
DATE : July 1,2004
REGULATION : FCC Part15 Subpart B
TEST ENGINEER : Tsubasa Takayama

OPERATION MODE : DVD Play : 4ch

LIMIT : FCC15B ANTENNA TRANSFER SWITCH

NO	FREQ [MHz]	READING		C.F [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBμV]	AV [dBμV]		QP [dBμV]	AV [dBμV]	QP [dBμV]	AV [dBμV]	QP [dB]	AV [dB]	
1	67.2500	22.4	----	-22.0	0.4	----	9.5	----	9.1	----	-
2	134.5000	29.0	----	-21.7	7.3	----	9.5	----	2.2	----	-
3	201.7500	22.3	----	-21.6	0.7	----	9.5	----	8.8	----	-
4	269.0000	26.0	----	-21.8	4.2	----	9.5	----	5.3	----	-
5	336.2500	22.3	----	-22.1	0.2	----	9.5	----	9.3	----	-
6	403.5000	22.6	----	-22.3	0.3	----	9.5	----	9.2	----	-

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

Picture Sensitivity Test

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : DVR-RT500-S
Power : AC120 V / 60Hz
Description : TV Reception
Remarks : -

Report Number : 24KE0259-YW-1
Regulation : FCC Part15 SubpartB
Date : June 29,2004
Temp / Humid : 26°/ 46%
Engineer : Tsubasa Takayama

Ch [VHF]	Frequency [MHz]	Sensitivity [MHz]		Ch [UHF]	Frequency [MHz]	Sensitivity [MHz]	
		[dBμV]	[μV]			[dB μ V]	[μ V]
2	55.25	20.0	10.0	14	471.25	25.8	19.5
3	61.25	20.0	10.0	20	507.25	25.8	19.5
4	67.25	19.8	9.8	26	543.25	25.9	19.7
5	77.25	19.5	9.4	32	579.25	26.4	20.9
6	83.25	19.4	9.3	38	615.25	27.0	22.4
7	175.25	22.2	12.9	44	651.25	27.0	22.4
8	181.25	22.1	12.7	50	687.25	26.4	20.9
9	187.25	22.2	12.9	56	723.25	24.9	17.6
10	193.25	22.3	13.0	62	759.25	24.6	17.0
11	199.25	22.2	12.9	69	801.25	24.5	16.8
12	205.25	22.4	13.2	-	-	-	-
13	211.25	22.3	13.0	-	-	-	-
Average VHF			11.6	Average UHF			19.7
Average UHF/VHF : 20 log UHF[μV] / VHF[μV]=				4.6 [Limit : 8.0dB]			

Noise Figure Test

UL Apex Co.,Ltd.
Yokowa EMC Laboratory

Company : Orion Electric Co., Ltd.
Equipment : DVD/VCR
Model Number : DVR-RT500-S
Power : AC120 V / 60Hz
Description : TV Reception
Remarks : -

Report Number : 24KE0259-YW-1
Regulation : FCC Part15 SubpartB
Date : June 29,2004
Temp / Humid : 26°/ 46%
Engineer : Tsubasa Takayama

Ch	Frequency [MHz]	Meter Reading [dB]	Correction Factor [dB]	Noise Figure [dB]	Limits [dB]	Margin [dB]
TV VHF Fundamental						
2	55.25	4.6	0.2	4.4	14.0	9.6
3	61.25	4.2	0.2	4.0	14.0	10.0
4	67.25	4.3	0.2	4.1	14.0	9.9
5	77.25	4.2	0.2	4.0	14.0	10.0
6	83.25	4.3	0.2	4.1	14.0	9.9
7	175.25	4.7	0.2	4.5	14.0	9.5
8	181.25	4.7	0.2	4.5	14.0	9.5
9	187.25	4.4	0.2	4.2	14.0	9.8
10	193.25	4.5	0.2	4.3	14.0	9.7
11	199.25	4.7	0.2	4.5	14.0	9.5
12	205.25	4.6	0.2	4.4	14.0	9.6
13	211.25	4.5	0.2	4.3	14.0	9.7
TV UHF Fundamental						
14	471.25	5.8	0.3	5.5	14.0	8.5
20	507.25	6.0	0.3	5.7	14.0	8.3
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	6.1	0.3	5.8	14.0	8.2
44	651.25	6.6	0.3	6.3	14.0	7.7
50	687.25	5.8	0.3	5.5	14.0	8.5
56	723.25	5.4	0.4	5.0	14.0	9.0
62	759.25	5.4	0.4	5.0	14.0	9.0
69	801.25	5.8	0.4	5.4	14.0	8.6
Mid band						
14	121.25	4.0	0.2	3.8	14.0	10.2
16	133.25	7.0	0.2	6.8	14.0	7.2
18	145.25	6.0	0.2	5.8	14.0	8.2
20	157.25	5.2	0.2	5.0	14.0	9.0
22	169.25	5.0	0.2	4.8	14.0	9.2
Super band						
23	217.25	4.5	0.2	4.3	14.0	9.7
26	235.25	4.6	0.2	4.4	14.0	9.6
29	253.25	4.6	0.2	4.4	14.0	9.6
32	271.25	4.7	0.2	4.5	14.0	9.5
36	295.25	4.9	0.2	4.7	14.0	9.3

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APPENDIX 3

Test Instruments

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
APVBT01	VIDEO BOOSTER	UL Apex	-	RF, ATS	-
APTVG01	TV Generator	Leader	408NPS	RF, ATS	Pre Check
APSPA04	Spectrum Analyzer	Advantest	R3265	AT, RF, ATS	2004/05/14 * 12
APMAT05	Matching Pad	TME	ZT-130	AT, RF, ATS	2003/12/16 * 12
APNFM01	Noise Figure Indicator	Elena	ENF-2005	NF	2002/09/27 * 24
APNFS01	Noise Source	Elena	MC1100	NF	-
AV01-01	Signal Generator	Rohde & Schwarz	SMY01	PS	2004/02/19 * 12
SS-05	Digitizing Oscilloscope	Sony Tektronix	2221	PS	2004/01/22 * 12
APBPF01	Band pass filter	Erika Fiedler	BP	PS	Pre Check
APPRA01	Pre Amplifier	Anritsu	MH648A	AT, RF, ATS	2003/10/03 * 12
APPRA05	Pre Amplifier	Hewlett Packard	8449B	AT	2003/12/10 * 12
APCBL-01	Coaxial Cable	Fujikura	5D-2W	AT, RF, ATS	2004/01/08 * 12
APCBL-02	Coaxial Cable	Fujikura	5D-2W	AT, RF, ATS	2004/01/08 * 12
OS-15	Digital Humidity Indicator	SATO	PC-5000TRH	AT, RF, ATS, PS, NF	2004/05/06 * 12
LS-01	LISN(AMN)	Rohde & Schwarz	ESH2-Z5	CE	2003/10/31 * 12
SA-07	Spectrum Analyzer	Advantest	R3273	CE	2003/12/08 * 12
TR-01	Test Receiver	Rohde & Schwarz	ESHS20	CE	2004/05/11 * 12
CC-1S	Yokowa No.1 shield coaxial(0.01MHz-1000MHz)	UL Apex	CC-14,CC-15,CC-16,CC-18,CC-19,SW-11,SW-12	CE	2004/03/28 * 12
AF-03	Pre Amplifier	Anritsu	MH648A	RE, AT	2004/03/28 * 12
AT-04	Attenuator	Anritsu	MP721B	RE, AT	2004/03/26 * 12
BA-04	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/04/10 * 12
LA-05	Logperiodic Antenna	Schwarzbeck	UHALP9108-A	RE	2003/10/19 * 12
SA-05	Spectrum Analyzer	Advantest	R3271	RE, AT	2003/12/21 * 12
TR-04	Test Receiver	Rohde & Schwarz	ESVS10	RE	2004/05/21 * 12
CC-2ORC	Yokowa No.2 open coaxial(0.01-1000MHz)	UL Apex	CC-21,CC-22,CC-23,CC-24,CC-25,CC-26,CC-27,SW-21,SW-22	RE	2004/03/28 * 12
YOATS-02	Open Test Site	JSE	3m, 10m	RE	2003/08/14 * 12
OS-10	Digital Humidity Indicator	SATO	PC-5000TRH	RE	2004/05/06 * 12
OS-05	Digital Humidity Indicator	SATO	PC-5000TRH	CE	2004/04/22 * 12
HA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2004/04/10 * 12
CC-C17	Microwave Cable	Suhner	SUCOFLEX	RE	2004/05/02 * 12
CC-C15	Microwave Cable	Suhner	SUCOFLEX	RE	2004/05/02 * 12
AF-07	Pre Amplifier	Agilent	HP8449B	RE	2003/12/25 * 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