

DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC
LINE : N
POWER : AC120V/60Hz
REMARKS : 0dBmV INPUT

REPORT No. : 22CE0024-KT
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 1

TEST ENGINEER: Hisayuki Kikoka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.6	28.2	0.5	48.1	28.7	48.0	48.0	-0.1	19.3
2	0.500	44.5	----	0.5	45.0	----	48.0	----	3.0	----
3	0.600	40.0	----	0.5	40.5	----	48.0	----	7.5	----
4	0.750	39.1	----	0.4	39.5	----	48.0	----	8.5	----
5	0.891	33.9	----	0.4	34.3	----	48.0	----	13.7	----
6	2.110	36.0	----	0.4	36.4	----	48.0	----	11.6	----
7	7.719	29.4	----	0.6	30.0	----	48.0	----	18.0	----
8	14.319	32.0	----	0.8	32.8	----	48.0	----	15.2	----

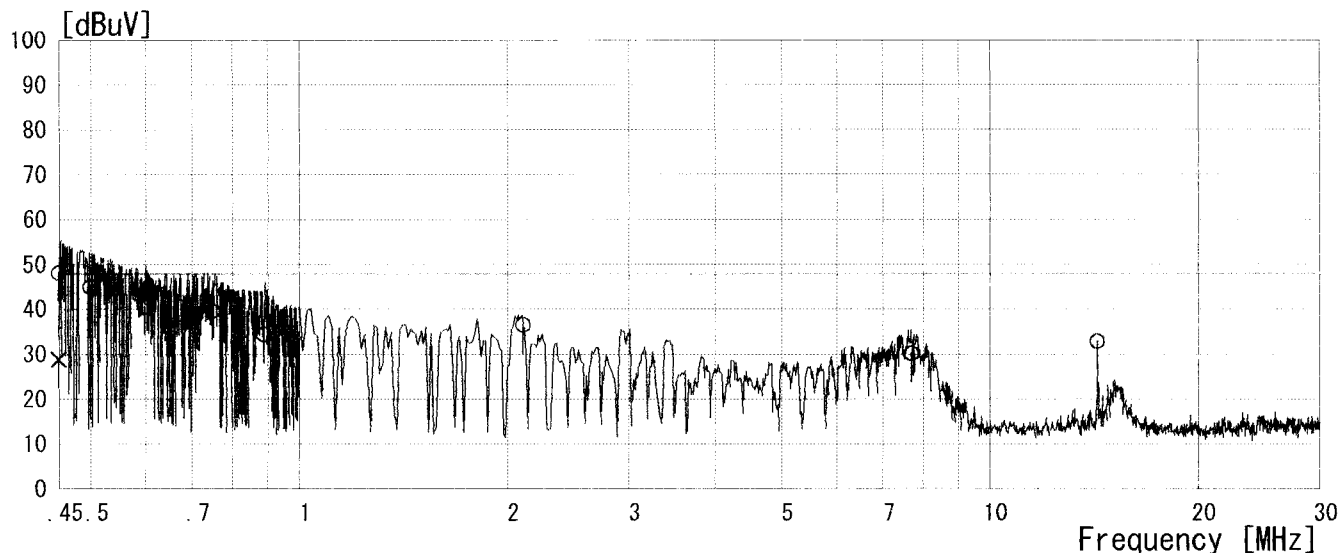
RESULTS=READING+CABLE LOSS+LISN FACTOR

*Note)

The emission level of 0.45 MHz was broad band noise.

Final result has been reduced 13 dB for comparison to the limit.

Please refer to the next page.



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COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC
LINE : N
POWER : AC120V/60Hz
REMARKS : 0dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 1

TEST ENGINEER: Misayuki Kioka

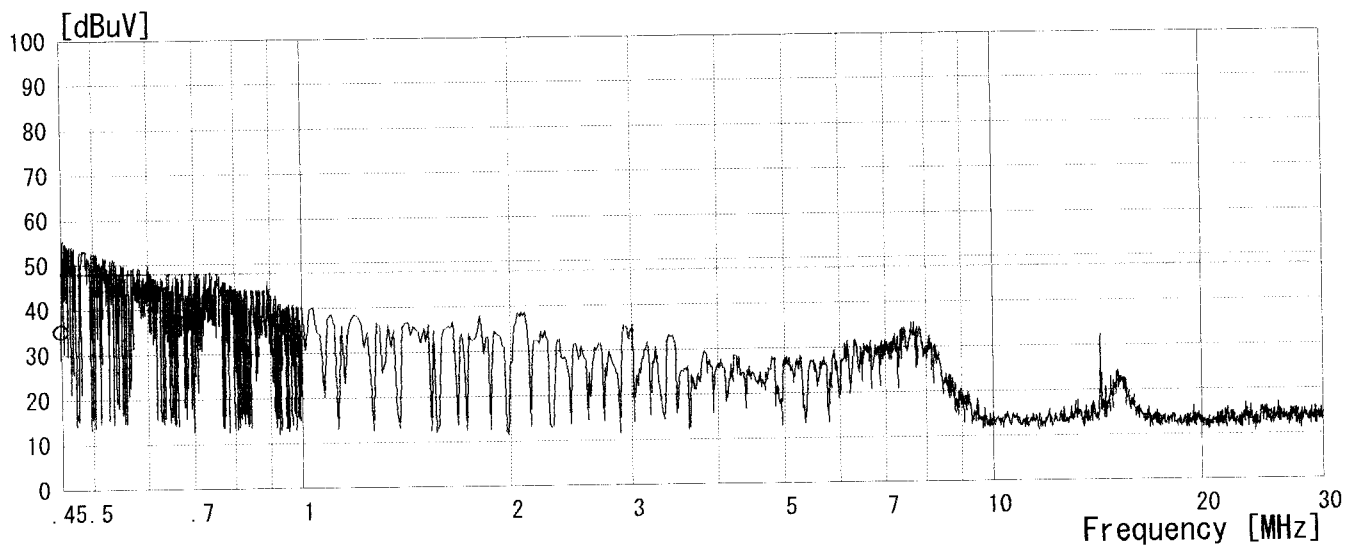
No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	34.6	----	0.5	35.1	----	48.0	----	12.9	----

RESULTS=READING+CABLE LOSS+LISN FACTOR

*Note)

This inspection has been performed according to the section 15.107 (d).

Measuring systems are satisfied to the requirements of section 15.107(d) (1), (2).



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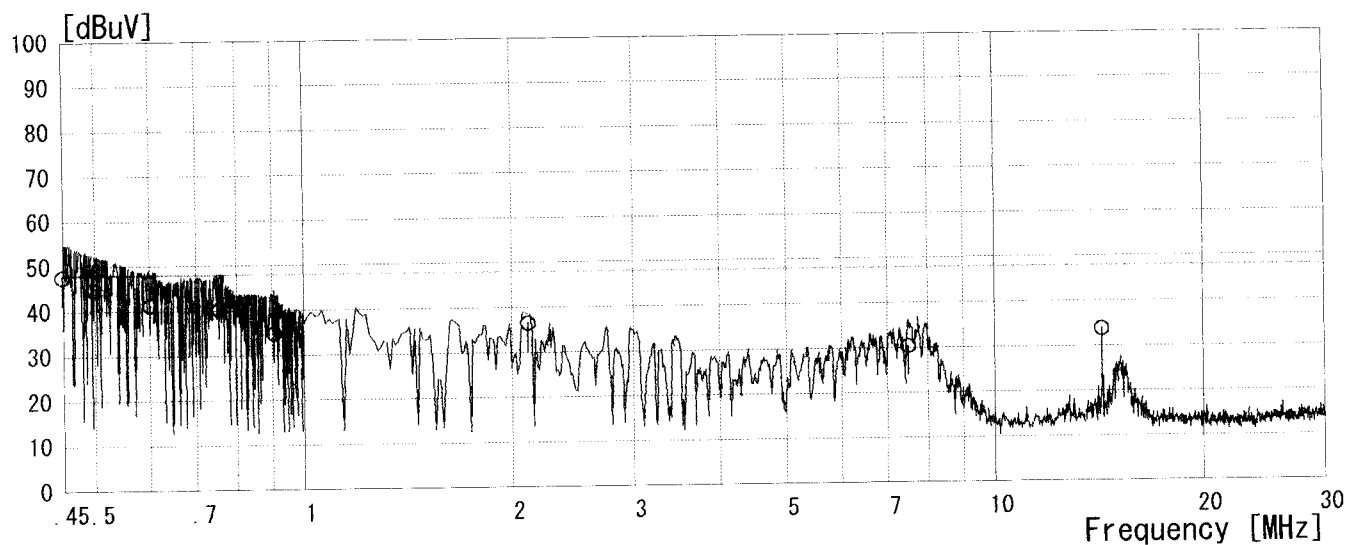
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC
LINE : L
POWER : AC120V/60Hz
REMARKS : 0dBmV INPUT

REPORT No. : 22CE0024-KT
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 2

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.603	40.7	----	0.4	41.1	----	48.0	----	6.9	----
4	0.758	39.7	----	0.4	40.1	----	48.0	----	7.9	----
5	0.909	34.3	----	0.4	34.7	----	48.0	----	13.3	----
6	2.116	36.0	----	0.4	36.4	----	48.0	----	11.6	----
7	7.516	29.6	----	0.7	30.3	----	48.0	----	17.7	----
8	14.318	32.9	----	0.9	33.8	----	48.0	----	14.2	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
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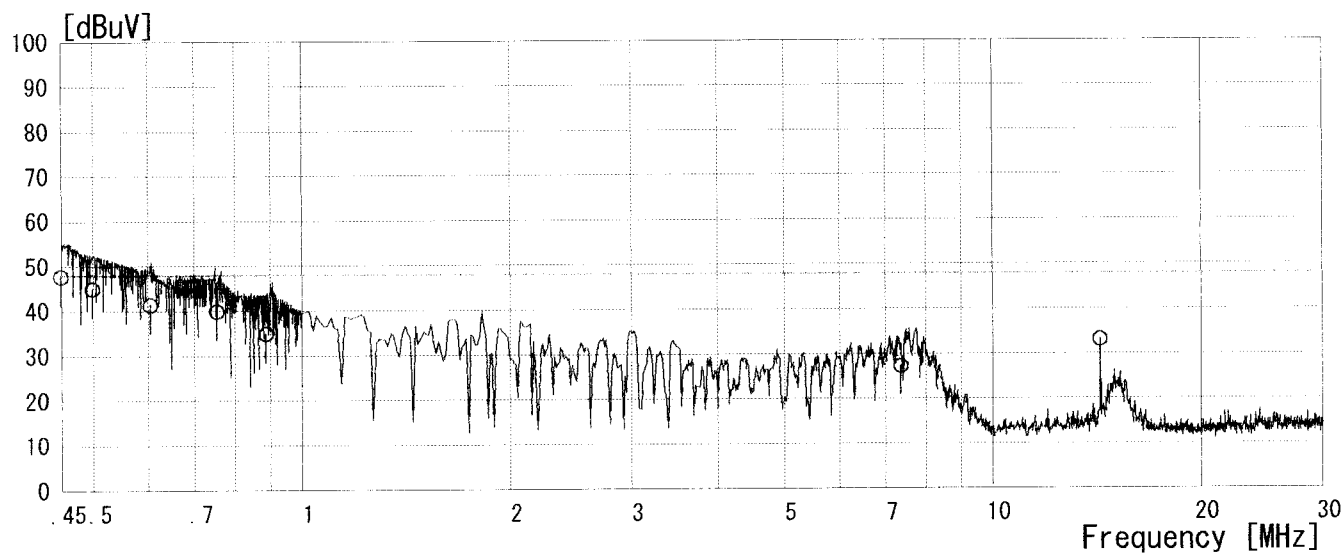
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC
LINE : N
POWER : AC120V/60Hz
REMARKS : 25dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 4

TEST ENGINEER: Hisayuki Kioaka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.1	----	0.5	47.6	----	48.0	----	0.4	----
2	0.500	44.4	----	0.5	44.9	----	48.0	----	3.1	----
3	0.606	40.8	----	0.5	41.3	----	48.0	----	6.7	----
4	0.756	39.4	----	0.4	39.8	----	48.0	----	8.2	----
5	0.890	34.3	----	0.4	34.7	----	48.0	----	13.3	----
6	7.387	26.5	----	0.6	27.1	----	48.0	----	20.9	----
7	14.318	32.3	----	0.8	33.1	----	48.0	----	14.9	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

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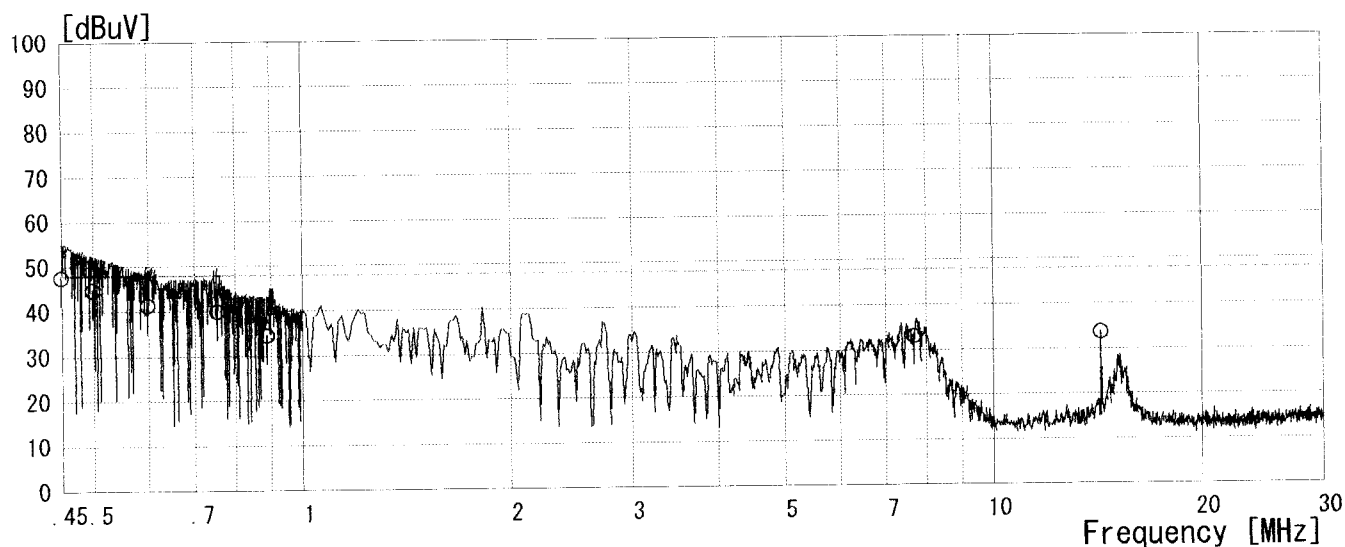
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC
LINE : L
POWER : AC120V/60Hz
REMARKS : 25dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 3

TEST ENGINEER *Mitsayuki KItoka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.600	40.8	----	0.4	41.2	----	48.0	----	6.8	----
4	0.755	39.4	----	0.4	39.8	----	48.0	----	8.2	----
5	0.891	34.0	----	0.4	34.4	----	48.0	----	13.6	----
6	7.698	32.3	----	0.7	33.0	----	48.0	----	15.0	----
7	14.319	32.7	----	0.9	33.6	----	48.0	----	14.4	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

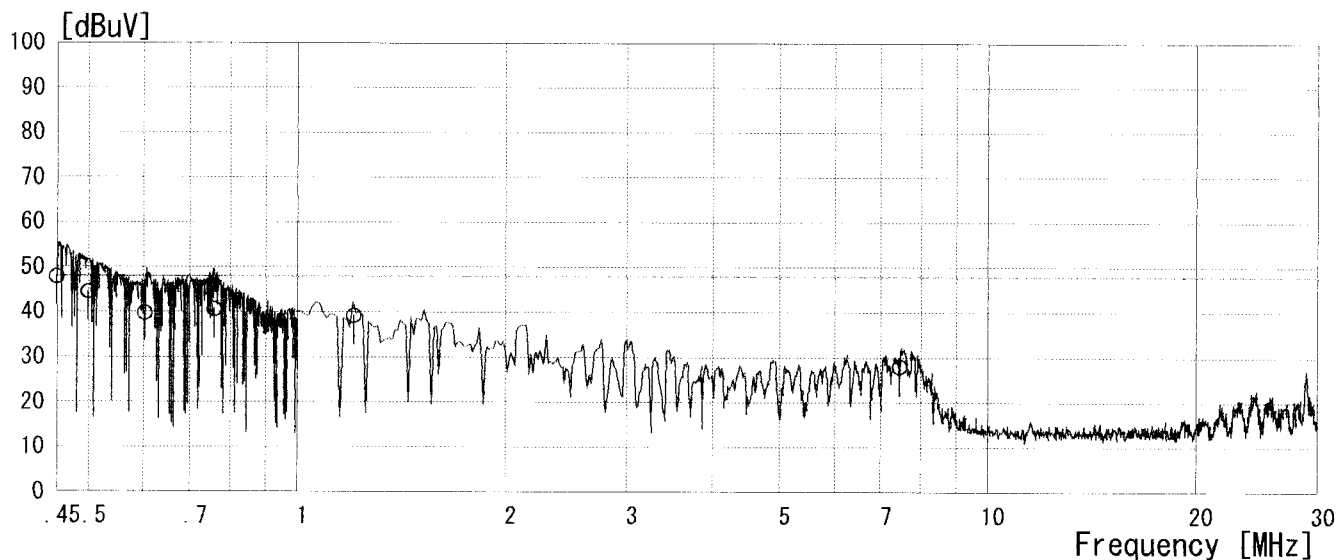
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 1)
LINE : N
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 5

TEST ENGINEER *H. Kikuka*
H. Kikuka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]
1	0.450	47.3	----	0.5	47.8	----	48.0	----	0.2	----
2	0.500	44.0	----	0.5	44.5	----	48.0	----	3.5	----
3	0.604	39.3	----	0.5	39.8	----	48.0	----	8.2	----
4	0.760	40.1	----	0.4	40.5	----	48.0	----	7.5	----
5	1.211	38.7	----	0.4	39.1	----	48.0	----	8.9	----
6	7.477	27.3	----	0.6	27.9	----	48.0	----	20.1	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

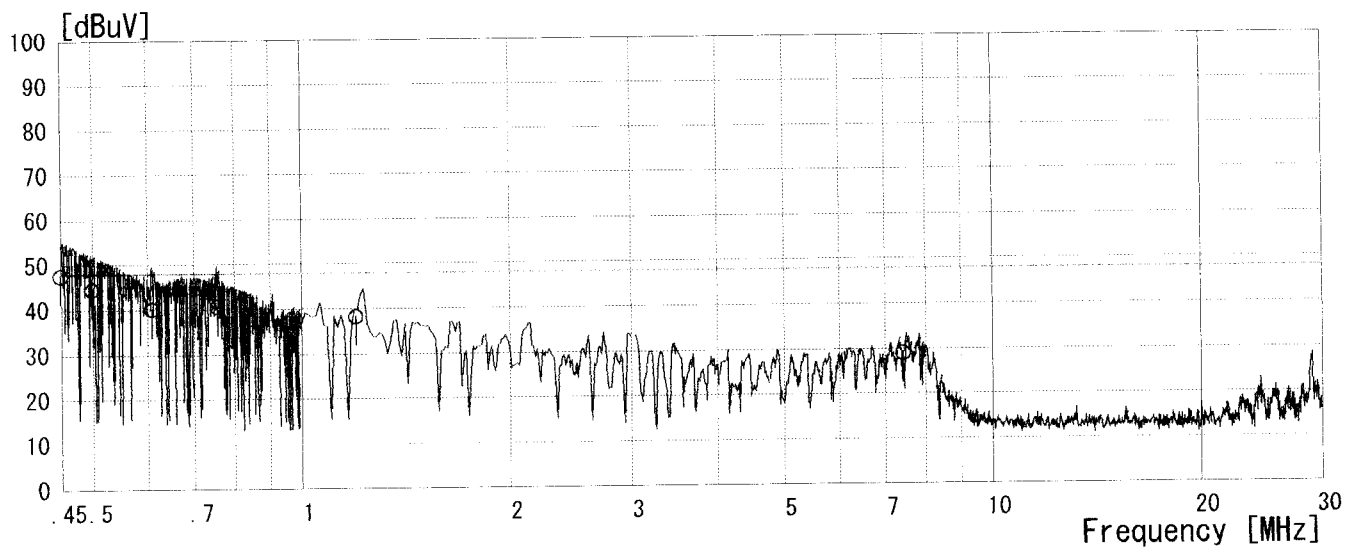
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 1)
LINE : L
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 6

TEST ENGINEER *Htsayuki Kibaka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.0	----	0.5	44.5	----	48.0	----	3.5	----
3	0.609	39.6	----	0.4	40.0	----	48.0	----	8.0	----
4	0.758	40.1	----	0.4	40.5	----	48.0	----	7.5	----
5	1.202	37.8	----	0.4	38.2	----	48.0	----	9.8	----
6	7.437	28.3	----	0.7	29.0	----	48.0	----	19.0	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO.,LTD.
Kanto Office EMC Lab.

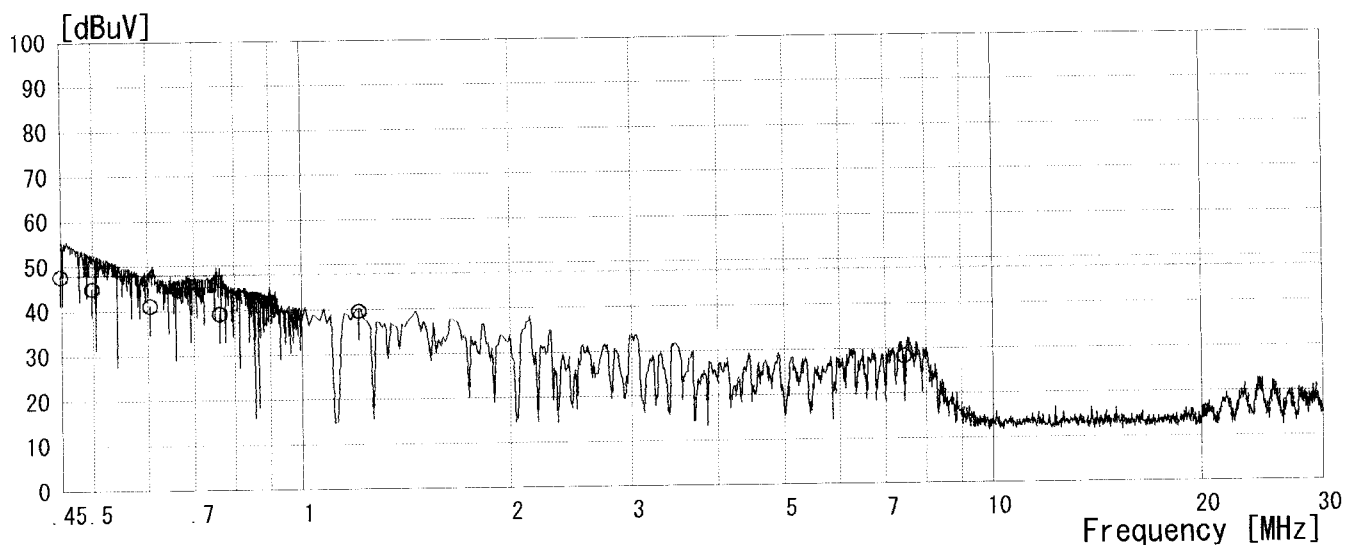
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 1)
LINE : N
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 8

TEST ENGINEER: Hysayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	0.450	47.1	----	0.5	47.6	----	48.0	----	0.4	----
2	0.500	44.4	----	0.5	44.9	----	48.0	----	3.1	----
3	0.606	40.5	----	0.5	41.0	----	48.0	----	7.0	----
4	0.763	38.7	----	0.4	39.1	----	48.0	----	8.9	----
5	1.212	39.1	----	0.4	39.5	----	48.0	----	8.5	----
6	7.459	27.6	----	0.6	28.2	----	48.0	----	19.8	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

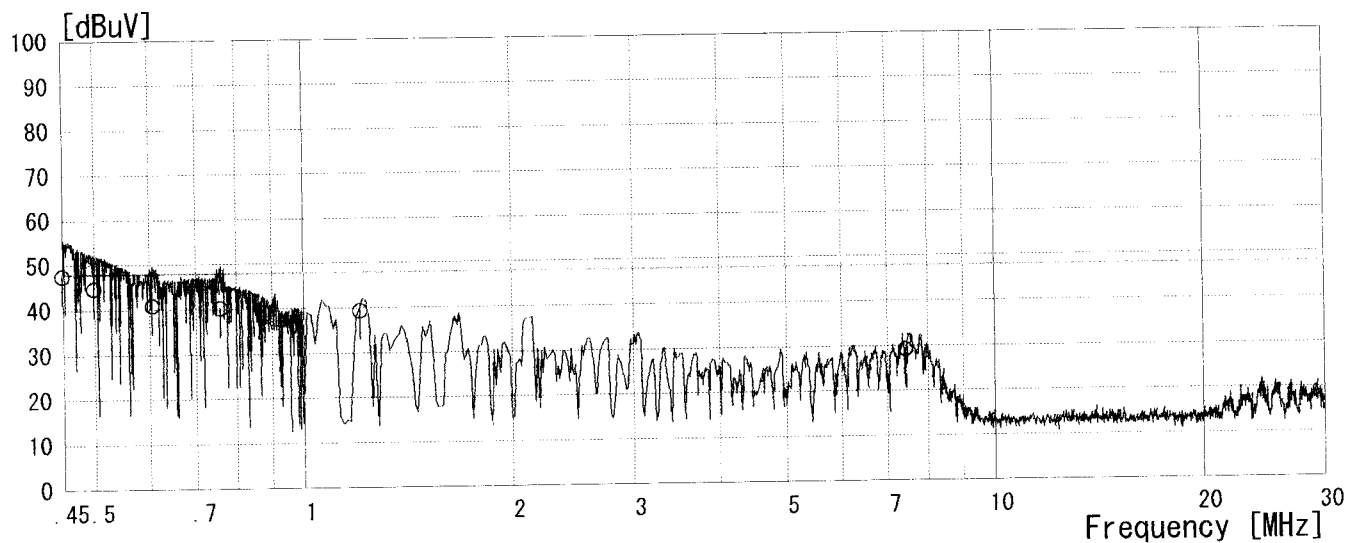
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 1)
LINE : L
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 7

TEST ENGINEER: *Hisayuki Kioka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.607	40.4	----	0.4	40.8	----	48.0	----	7.2	----
4	0.761	39.7	----	0.4	40.1	----	48.0	----	7.9	----
5	1.211	38.9	----	0.4	39.3	----	48.0	----	8.7	----
6	7.446	28.5	----	0.7	29.2	----	48.0	----	18.8	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO.,LTD.
Kanto Office EMC Lab.

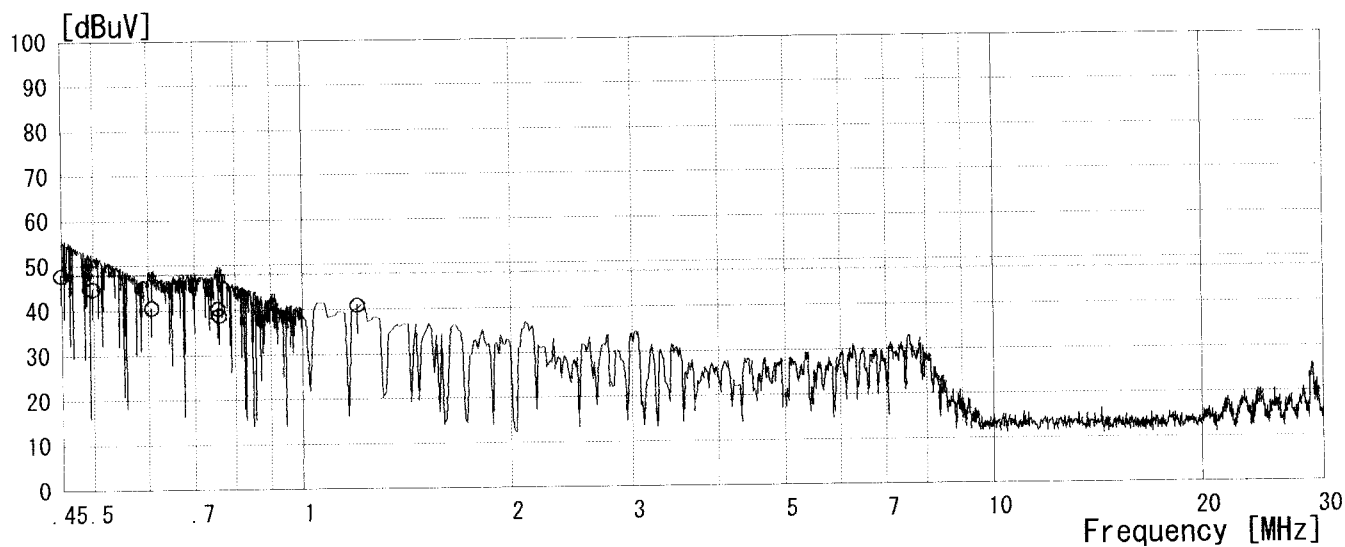
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 2)
LINE : N
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 9

TEST ENGINEER: *Hisayuki Kioka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	0.450	47.2	----	0.5	47.7	----	48.0	----	0.3	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.608	40.0	----	0.5	40.5	----	48.0	----	7.5	----
4	0.758	39.8	----	0.4	40.2	----	48.0	----	7.8	----
5	0.761	38.2	----	0.4	38.6	----	48.0	----	9.4	----
6	1.205	40.4	----	0.4	40.8	----	48.0	----	7.2	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

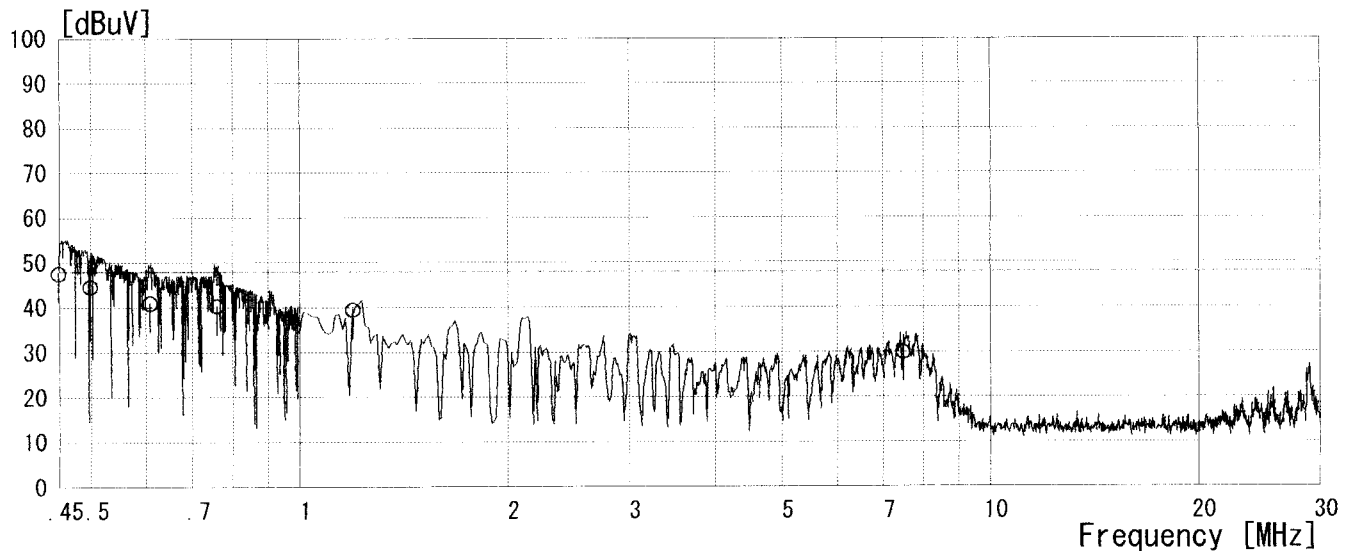
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: AV INPUT+REC (LINE 2)
LINE : L
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 10

TEST ENGINEER: *Hisayuki Kioka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.1	----	0.5	44.6	----	48.0	----	3.4	----
3	0.610	40.4	----	0.4	40.8	----	48.0	----	7.2	----
4	0.761	39.8	----	0.4	40.2	----	48.0	----	7.8	----
5	1.198	39.0	----	0.4	39.4	----	48.0	----	8.6	----
6	7.497	29.2	----	0.7	29.9	----	48.0	----	18.1	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

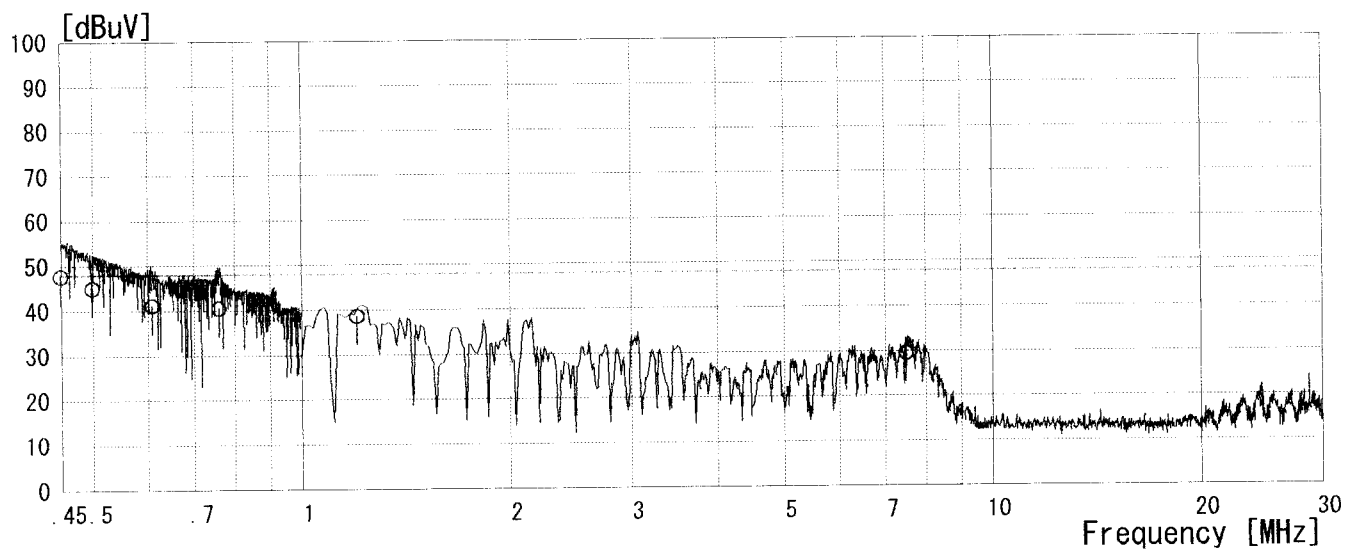
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 2)
LINE : N
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 12

TEST ENGINEER: *Hrsayuki Kioka*
Hrsayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.1	----	0.5	47.6	----	48.0	----	0.4	----
2	0.500	44.5	----	0.5	45.0	----	48.0	----	3.0	----
3	0.610	40.6	----	0.5	41.1	----	48.0	----	6.9	----
4	0.762	40.0	----	0.4	40.4	----	48.0	----	7.6	----
5	1.206	38.1	----	0.4	38.5	----	48.0	----	9.5	----
6	7.510	28.8	----	0.6	29.4	----	48.0	----	18.6	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

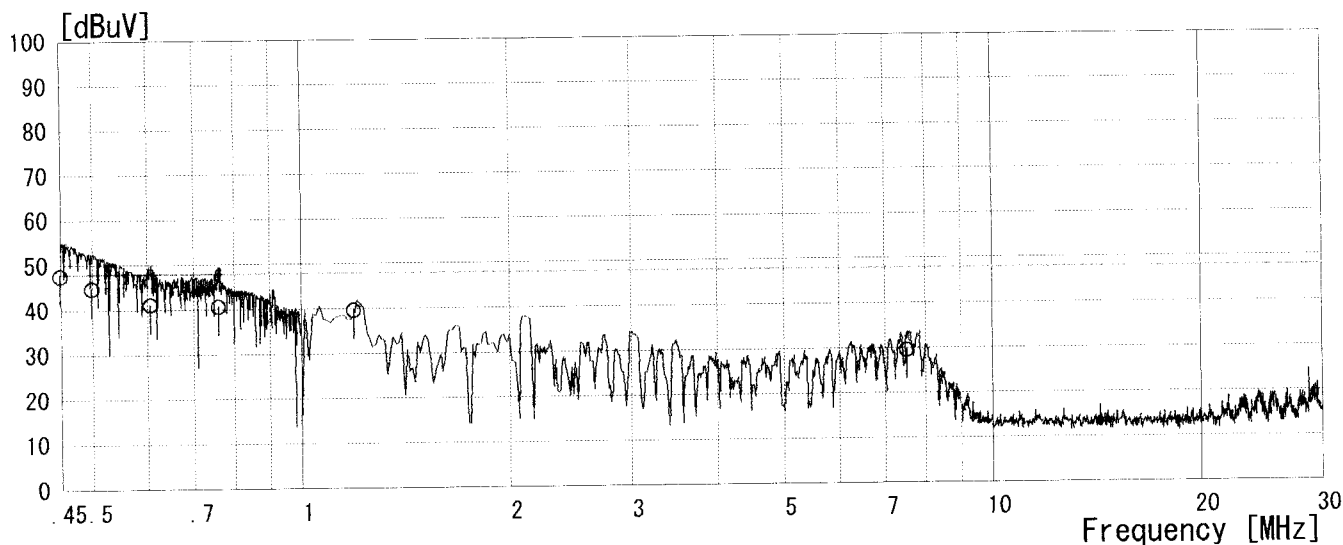
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (LINE 2)
LINE : L
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22GE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 11

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.607	40.6	----	0.4	41.0	----	48.0	----	7.0	----
4	0.761	40.1	----	0.4	40.5	----	48.0	----	7.5	----
5	1.194	39.2	----	0.4	39.6	----	48.0	----	8.4	----
6	7.537	28.8	----	0.7	29.5	----	48.0	----	18.5	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

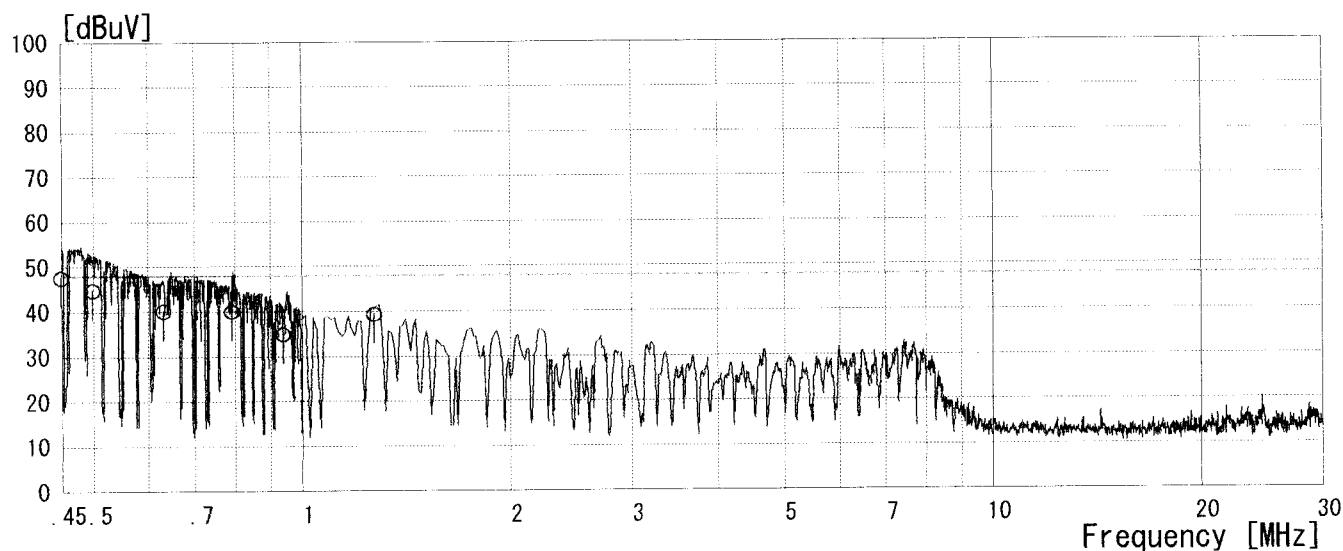
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : PLAYBACK
LINE : N
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 13

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	0.450	47.0	----	0.5	47.5	----	48.0	----	0.5	----
2	0.500	44.2	----	0.5	44.7	----	48.0	----	3.3	----
3	0.633	39.5	----	0.4	39.9	----	48.0	----	8.1	----
4	0.794	39.5	----	0.4	39.9	----	48.0	----	8.1	----
5	0.941	34.4	----	0.4	34.8	----	48.0	----	13.2	----
6	1.274	38.8	----	0.4	39.2	----	48.0	----	8.8	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

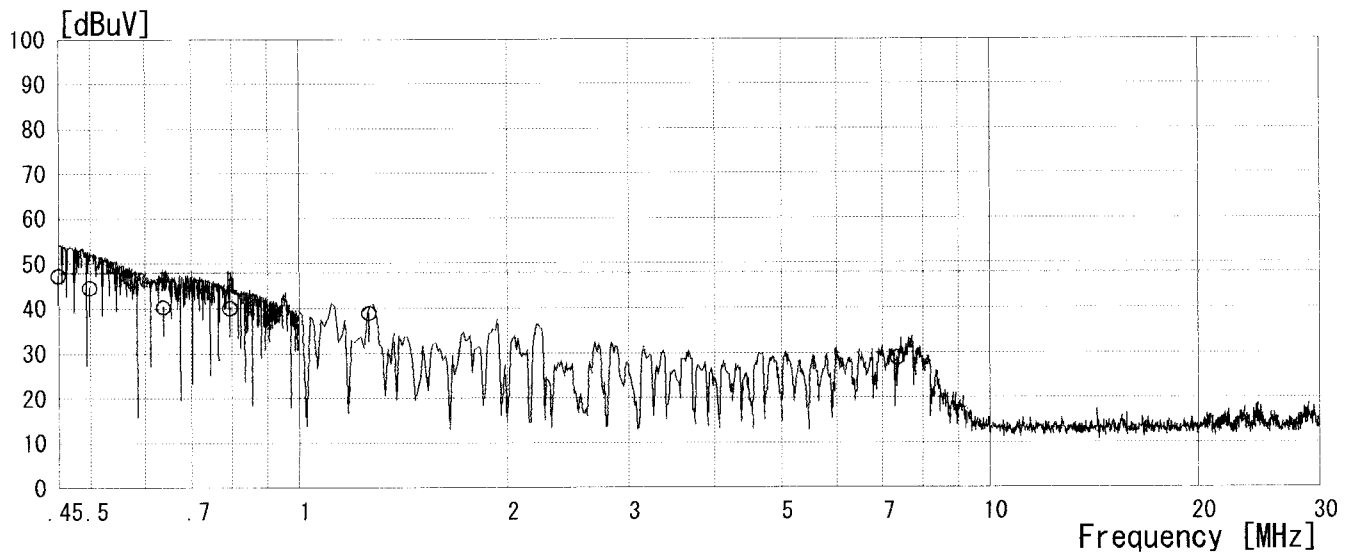
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : PLAYBACK
LINE : L
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 14

TEST ENGINEER: *Hisayuki Kioaka*
Hisayuki Kioaka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	0.450	46.7	----	0.5	47.2	----	48.0	----	0.8	----
2	0.500	44.1	----	0.5	44.6	----	48.0	----	3.4	----
3	0.639	39.8	----	0.4	40.2	----	48.0	----	7.8	----
4	0.797	39.6	----	0.4	40.0	----	48.0	----	8.0	----
5	1.266	38.4	----	0.4	38.8	----	48.0	----	9.2	----
6	7.368	28.1	----	0.7	28.8	----	48.0	----	19.2	----

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF RADIATION TEST

Page: 44 of 77

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.1 SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : Video Cassette Recorder
MODEL No. : W425
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC MODE

REPORT No. : 22CE0024-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1034-1694MHz 0dB
DATE : October 18, 2001


ENGINEER : Hiroya Tabata

CH.	FREQ	READINGG		ANT TYPE	ANT. FAC.	CABLE LOSS	AMP GAIN	RESULTS		LIMIT	MARGIN	
	[MHz]	HOR.	VER.					[dBuV]	[dBuV/m]		HOR.	VER.
VHF Fundamental												
2	101	27.3	25.9	BC	10.1	2.2	29.9	15.7	14.3	43.5	27.8	29.2
3	107	26.4	24.9	BC	11.0	2.3	29.9	15.8	14.3	43.5	27.7	29.2
4	113	26.7	25.9	BC	12.0	2.3	29.9	17.1	16.3	43.5	26.4	27.2
5	123	27.2	31.5	BC	13.2	2.5	29.8	19.1	23.4	43.5	24.4	20.1
6	129	27.9	33.7	BC	13.5	2.5	29.8	20.1	25.9	43.5	23.4	17.6
7	221	24.3	24.1	BC	16.2	3.4	29.8	20.1	19.9	46.0	25.9	26.1
8	227	24.0	23.5	BC	16.2	3.5	29.8	19.9	19.4	46.0	26.1	26.6
9	233	23.5	23.0	BC	16.3	3.5	29.9	19.4	18.9	46.0	26.6	27.1
10	239	23.9	24.0	BC	16.4	3.6	29.9	20.0	20.1	46.0	26.0	25.9
11	245	24.7	24.1	BC	16.4	3.7	29.9	20.9	20.3	46.0	25.1	25.7
12	251	24.6	24.2	BC	16.5	3.7	29.9	20.9	20.5	46.0	25.1	25.5
13	257	25.2	25.9	BC	16.8	3.8	29.9	21.9	22.6	46.0	24.1	23.4
VHF 2nd Harmonic												
2	202	23.3	23.0	BC	15.9	3.2	29.8	18.6	18.3	43.5	24.9	25.2
3	214	22.9	22.9	BC	16.1	3.3	29.8	18.5	18.5	43.5	25.0	25.0
4	226	23.0	23.0	BC	16.2	3.4	29.8	18.8	18.8	46.0	27.2	27.2
5	246	23.1	23.1	BC	16.5	3.7	29.9	19.4	19.4	46.0	26.6	26.6
6	258	23.0	23.1	BC	16.9	3.8	29.9	19.8	19.9	46.0	26.2	26.1
7	442	33.2	33.3	LP	15.6	5.1	30.1	29.8	29.9	46.0	16.2	16.1
8	454	36.6	36.5	LP	15.9	5.1	30.2	33.4	33.3	46.0	12.6	12.7
9	466	39.3	40.8	LP	16.2	5.2	30.2	36.5	38.0	46.0	9.5	8.0
10	478	35.8	37.9	LP	16.6	5.3	30.2	33.5	35.6	46.0	12.5	10.4
11	490	31.3	32.8	LP	16.9	5.4	30.2	29.4	30.9	46.0	16.6	15.1
12	502	31.0	32.4	LP	17.2	5.5	30.1	29.6	31.0	46.0	16.4	15.0
13	514	30.7	32.6	LP	17.4	5.6	30.1	29.6	31.5	46.0	16.4	14.5

DATA OF RADIATION TEST

Page: 45 of 77

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.1 SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : Video Cassette Recorder
MODEL No. : W425
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC MODE

REPORT No. : 22CE0024-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1034-1694MHz 0dB
DATE : October 18, 2001

ENGINEER : Hiroya Tabata

CH.	FREQ	READINNG		ANT TYPE	ANT. FAC.	CABLE LOSS	AMP GAIN	RESULTS		LIMIT	MARGIN	
	[MHz]	HOR.	VER.					HOR.	VER.		HOR.	VER.
CATV Fundamental												
1	119	25.3	28.3	BC	12.9	2.4	29.8	16.8	19.8	43.5	26.7	23.7
95	137	27.3	31.5	BC	13.8	2.6	29.8	19.9	24.1	43.5	23.6	19.4
97	149	24.9	25.4	BC	14.4	2.7	29.8	18.2	18.7	43.5	25.3	24.8
99	161	23.9	23.4	BC	14.9	2.8	29.8	17.8	17.3	43.5	25.7	26.2
14	167	23.3	23.3	BC	15.2	2.9	29.9	17.5	17.5	43.5	26.0	26.0
18	191	23.8	24.1	BC	15.9	3.1	29.8	19.0	19.3	43.5	24.5	24.2
22	215	24.5	23.8	BC	16.1	3.3	29.8	20.1	19.4	43.5	23.4	24.1
23	263	24.0	25.0	BC	17.1	3.8	29.9	21.0	22.0	46.0	25.0	24.0
29	299	29.5	27.0	BC	18.8	4.1	30.0	28.4	25.9	46.0	17.6	20.1
36	341	30.3	29.7	LP	14.2	4.5	30.1	24.9	24.3	46.0	21.1	21.7
37	347	29.6	28.8	LP	14.2	4.6	30.1	24.3	23.5	46.0	21.7	22.5
65	515	33.8	37.4	LP	17.4	5.6	30.1	32.7	36.3	46.0	13.3	9.7
94	689	31.0	30.4	LP	20.4	6.7	30.3	33.8	33.2	46.0	12.2	12.8
100	695	31.4	30.4	LP	20.5	6.7	30.2	34.4	33.4	46.0	11.6	12.6
113	773	28.6	28.2	LP	20.7	7.2	29.8	32.7	32.3	46.0	13.3	13.7
125	845	27.0	29.4	LP	21.2	7.5	29.6	32.1	34.5	46.0	13.9	11.5
CATV 2nd Harmonic												
1	238	22.8	23.9	BC	16.4	3.6	29.9	18.9	20.0	46.0	27.1	26.0
95	274	22.7	22.8	BC	17.6	3.9	29.9	20.3	20.4	46.0	25.7	25.6
97	298	22.8	22.7	BC	18.7	4.1	30.0	21.6	21.5	46.0	24.4	24.5
99	322	28.7	25.9	LP	14.1	4.2	30.1	22.9	20.1	46.0	23.1	25.9
14	334	24.8	23.9	LP	14.1	4.4	30.1	19.2	18.3	46.0	26.8	27.7
18	382	25.6	24.2	LP	14.3	4.8	30.1	20.6	19.2	46.0	25.4	26.8
22	430	31.4	30.6	LP	15.2	5.1	30.1	27.6	26.8	46.0	18.4	19.2
23	526	31.7	30.7	LP	17.6	5.6	30.2	30.7	29.7	46.0	15.3	16.3
29	598	25.6	24.9	LP	18.8	6.1	30.3	26.2	25.5	46.0	19.8	20.5
36	682	27.9	28.0	LP	20.3	6.6	30.3	30.5	30.6	46.0	15.5	15.4
37	694	27.0	26.9	LP	20.5	6.7	30.2	30.0	29.9	46.0	16.0	16.1
65	1030	35.1	34.6	HO	24.9	3.5	35.4	28.1	27.6	54.0	25.9	26.4
94	1378	40.6	38.9	HO	26.7	4.0	34.9	36.4	34.7	54.0	17.6	19.3
100	1390	43.9	39.4	HO	26.8	4.0	34.9	39.8	35.3	54.0	14.2	18.7
113	1546	40.2	41.6	HO	27.7	4.3	34.7	37.5	38.9	54.0	16.5	15.1
125	1690	39.9	41.0	HO	28.5	4.5	34.6	38.3	39.4	54.0	15.7	14.6

DATA OF RADIATION TEST

Page: 46 of 77

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.1 SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : Video Cassette Recorder
MODEL No. : W425
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC MODE

REPORT No. : 22CE0024-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1034-1694MHz 0dB
DATE : October 18, 2001


ENGINEER : Hiroya Tabata

CH.	FREQ [MHz]	READING		ANT TYPE	ANT. FAC. [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULTS		LIMIT [dBuV/m]	MARGIN	
		HOR.	VER.					HOR.	VER.		HOR.	VER.
		[dBuV]						[dBuV/m]			[dB]	[dB]
UHF Fundamental												
14	517	33.4	36.6	LP	17.5	5.6	29.9	32.6	35.8	46.0	13.4	10.2
19	547	28.1	29.2	LP	18.0	5.8	29.8	28.1	29.2	46.0	17.9	16.8
28	601	28.8	27.9	LP	18.8	6.1	29.9	29.8	28.9	46.0	16.2	17.1
36	649	30.9	29.6	LP	19.7	6.5	29.8	33.3	32.0	46.0	12.7	14.0
44	697	31.6	30.6	LP	20.5	6.7	29.8	35.0	34.0	46.0	11.0	12.0
53	751	29.1	29.1	LP	20.7	7.0	29.8	33.0	33.0	46.0	13.0	13.0
61	799	28.1	29.1	LP	20.8	7.2	29.7	32.4	33.4	46.0	13.6	12.6
69	847	26.7	26.9	LP	21.2	7.6	29.3	32.2	32.4	46.0	13.8	13.6
UHF 2nd Harmonic												
14	1034	35.8	35.9	HO	24.9	3.5	35.4	28.8	28.9	54.0	25.2	25.1
19	1094	41.3	40.5	HO	25.2	3.6	35.3	34.8	34.0	54.0	19.2	20.0
28	1202	40.7	42.4	HO	25.8	3.8	35.1	35.2	36.9	54.0	18.8	17.1
36	1298	41.3	38.6	HO	26.3	3.9	35.0	36.5	33.8	54.0	17.5	20.2
44	1394	44.4	40.8	HO	26.8	4.1	34.9	40.4	36.8	54.0	13.6	17.2
53	1502	42.7	41.4	HO	27.4	4.2	34.7	39.6	38.3	54.0	14.4	15.7
61	1598	38.6	39.9	HO	28.0	4.3	34.6	36.3	37.6	54.0	17.7	16.4
69	1694	37.8	41.4	HO	28.5	4.5	34.6	36.2	39.8	54.0	17.8	14.2

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA No.1 OPEN TEST SITE
 Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
 Kind of Equipment : Video Cassette Recorder
 Model No. : W425
 Serial No. :
 Power : AC120V/60Hz
 Mode : MAXIMUM OPERATION
 Remarks : TEST CHANNEL #3
 Date : 10/19/2001
 Test Distance : 3 m
 Temperature : 23 °C
 Humidity : 62 %
 Regulation : FCC Part15B CLASS B


 Engineer : Sadahiko Tanaka

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	38.0	42.8	7.3	29.9	1.6	5.7	22.7	27.5	40.0	17.3	12.5
2.	65.75	BB	29.6	36.0	6.7	29.9	1.7	5.7	13.8	20.2	40.0	26.2	19.8
3.	122.50	BB	27.4	29.0	13.2	29.8	2.4	5.7	18.9	20.5	43.5	24.6	23.0
4.	245.00	BB	24.5	28.4	16.4	29.9	3.7	5.7	20.4	24.3	46.0	25.6	21.7

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

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

DATA OF RADIATION TEST

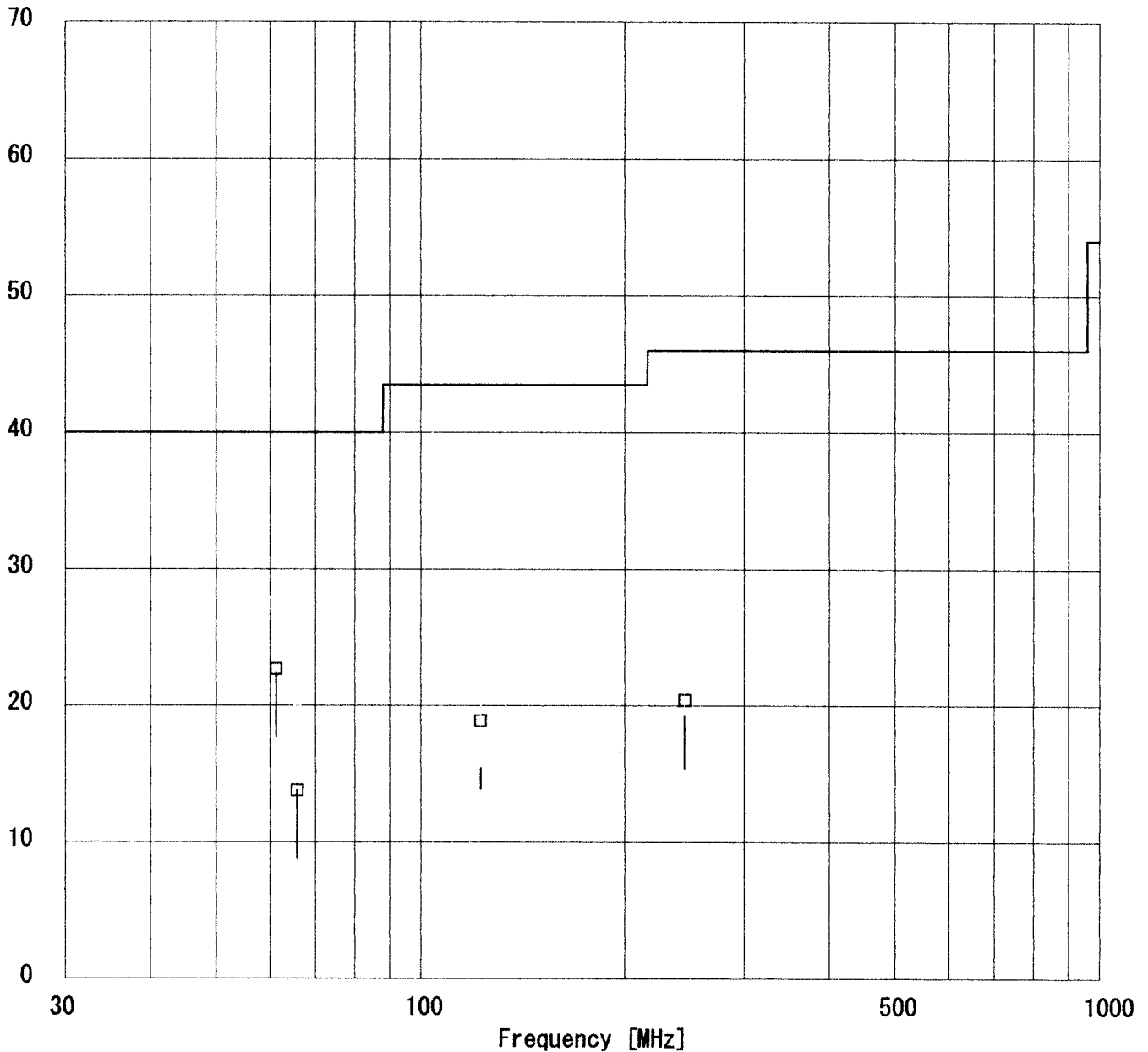
A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W425
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #3
Date : 10/19/2001
Test Distance : 3 m
Temperature : 23 °C
Humidity : 62 %
Regulation : FCC Part15B CLASS B

S. Tanaka
Engineer : Sadahiko Tanaka

Emission Level [dB μ V/m]

□ Horizontal



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W425
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #4
Date : 10/19/2001
Test Distance : 3 m
Temperature : 23 °C
Humidity : 62 %
Regulation : FCC Part15B CLASS B

Engineer :  : Sadahiko Tanaka

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	40.2	43.3	6.5	29.9	1.7	5.7	24.2	27.3	40.0	15.8	12.7
2.	71.75	BB	26.7	30.5	6.1	29.9	1.8	5.7	10.4	14.2	40.0	29.6	25.8
3.	134.50	BB	27.4	31.1	13.7	29.8	2.6	5.7	19.6	23.3	43.5	23.9	20.2
4.	201.75	BB	23.7	28.0	15.9	29.8	3.2	5.7	18.7	23.0	43.5	24.8	20.5

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

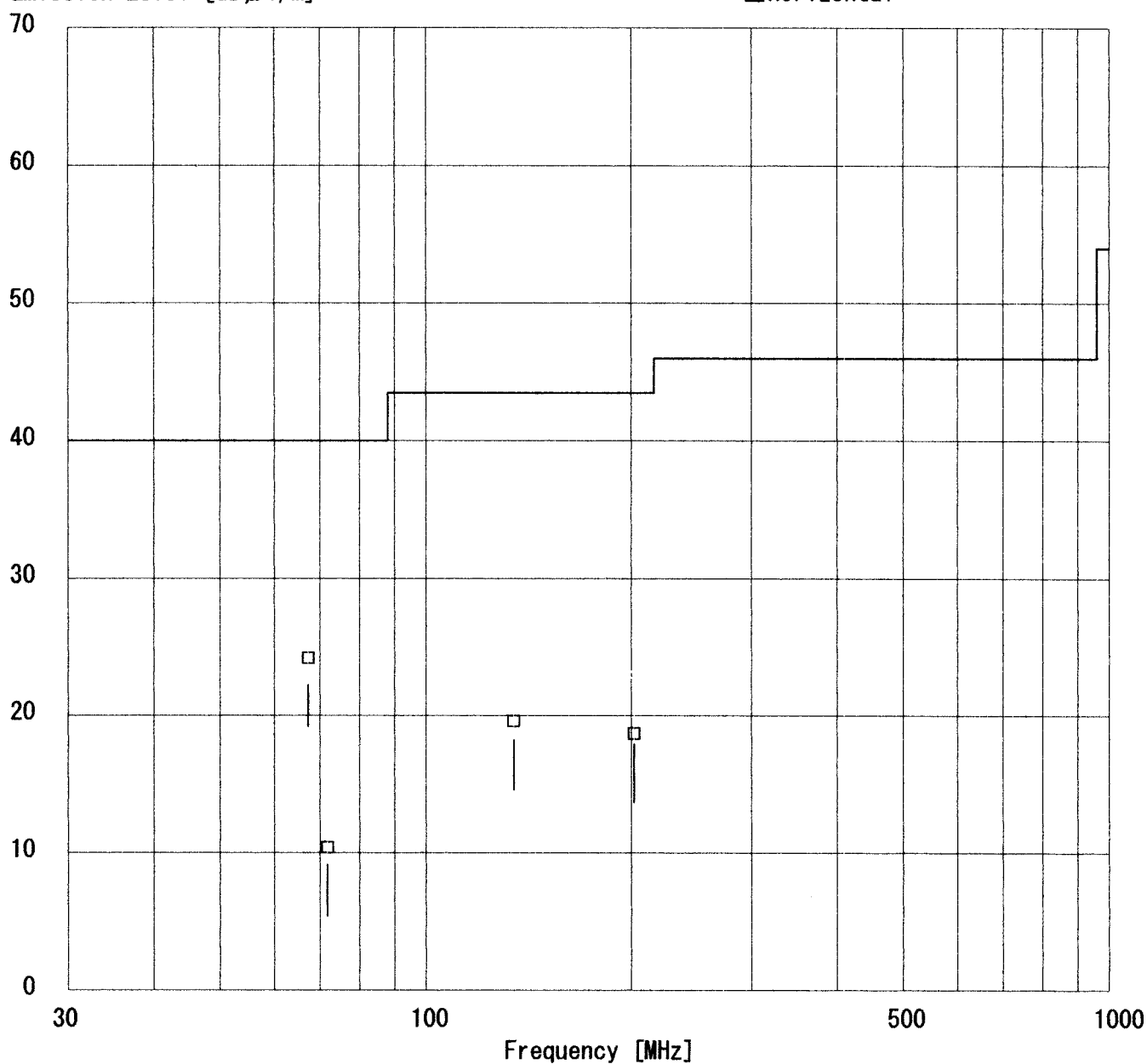
A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W425
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #4
Date : 10/19/2001
Test Distance : 3 m
Temperature : 23 °C
Humidity : 62 %
Regulation : FCC Part15B CLASS B

S. Tanaka
Engineer : Sadahiko Tanaka

Emission Level [dB μ V/m]

□ Horizontal



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W425
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : OTHER
Date : 10/19/2001
Test Distance : 3 m
Temperature : 23 °C
Humidity : 62 %
Regulation : FCC Part15B CLASS B


Engineer : Sadahiko Tanaka

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.	39.62	BB	25.0	28.0	14.7	30.0	1.2	5.7	16.6	19.6	40.0	23.4	20.4
2.	56.28	BB	27.3	36.5	8.8	29.9	1.7	5.8	13.7	22.9	40.0	26.3	17.1
3.	69.90	BB	31.9	29.7	6.1	29.9	1.7	5.7	15.5	13.3	40.0	24.5	26.7
4.	97.97	BB	26.7	26.2	9.4	29.9	2.1	5.7	14.0	13.5	43.5	29.5	30.0
5.	126.30	BB	28.7	33.5	13.4	29.8	2.5	5.7	20.5	25.3	43.5	23.0	18.2
6.	132.39	BB	28.4	34.3	13.6	29.8	2.6	5.7	20.5	26.4	43.5	23.0	17.1
7.	322.82	BB	23.7	23.2	14.1	30.1	4.3	5.7	17.7	17.2	46.0	28.3	28.8

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

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

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 22CE0024-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W425
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : OTHER
Date : 10/19/2001
Test Distance : 3 m
Temperature : 23 °C
Humidity : 62 %
Regulation : FCC Part15B CLASS B

S. Tanaka
Engineer : Sadahiko Tanaka

Emission Level [dB μ V/m]

□ Horizontal

70

60

50

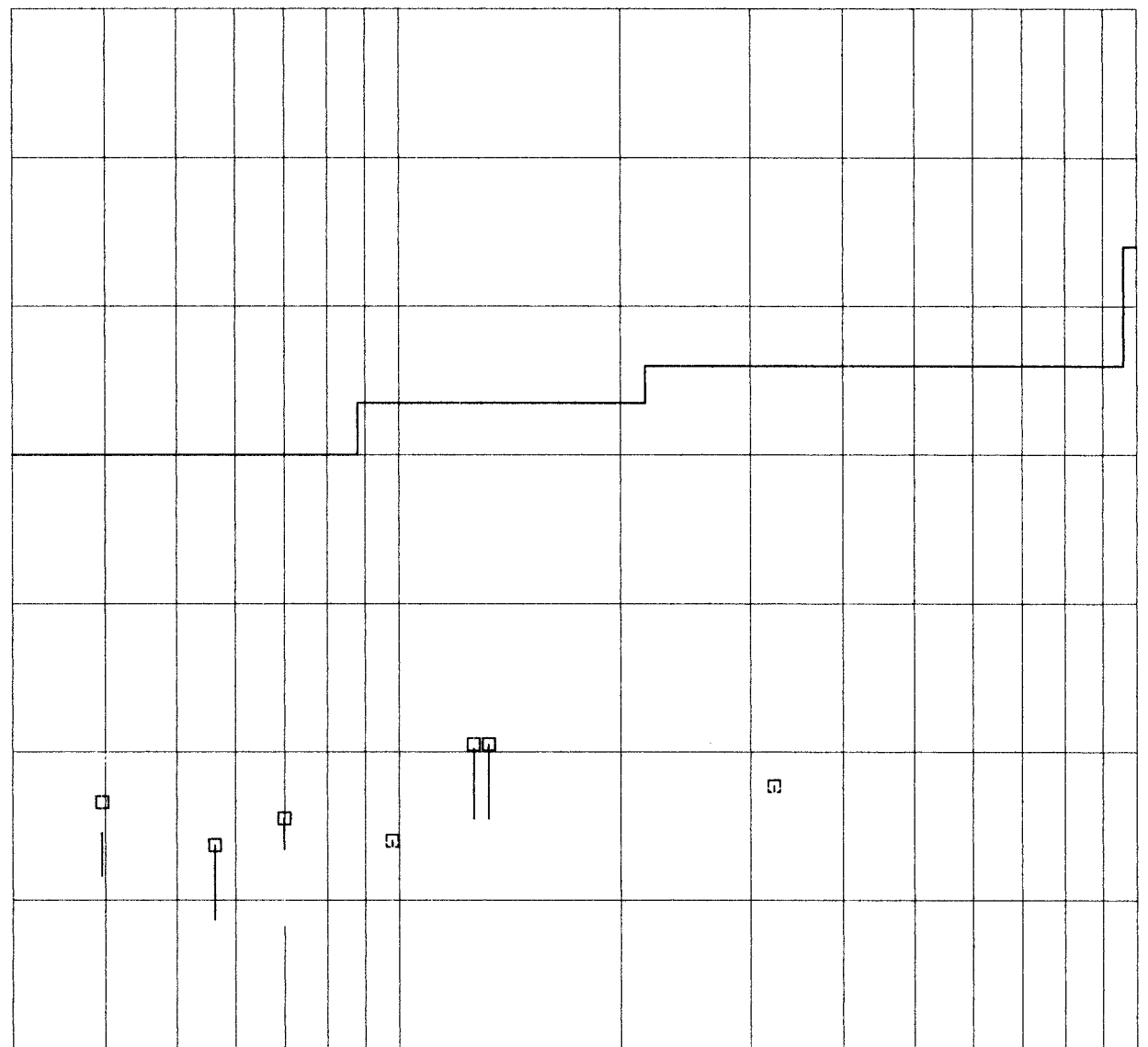
40

30

20

10

0



30

100

Frequency [MHz]

500

1000

DATA OF ANTENNA TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

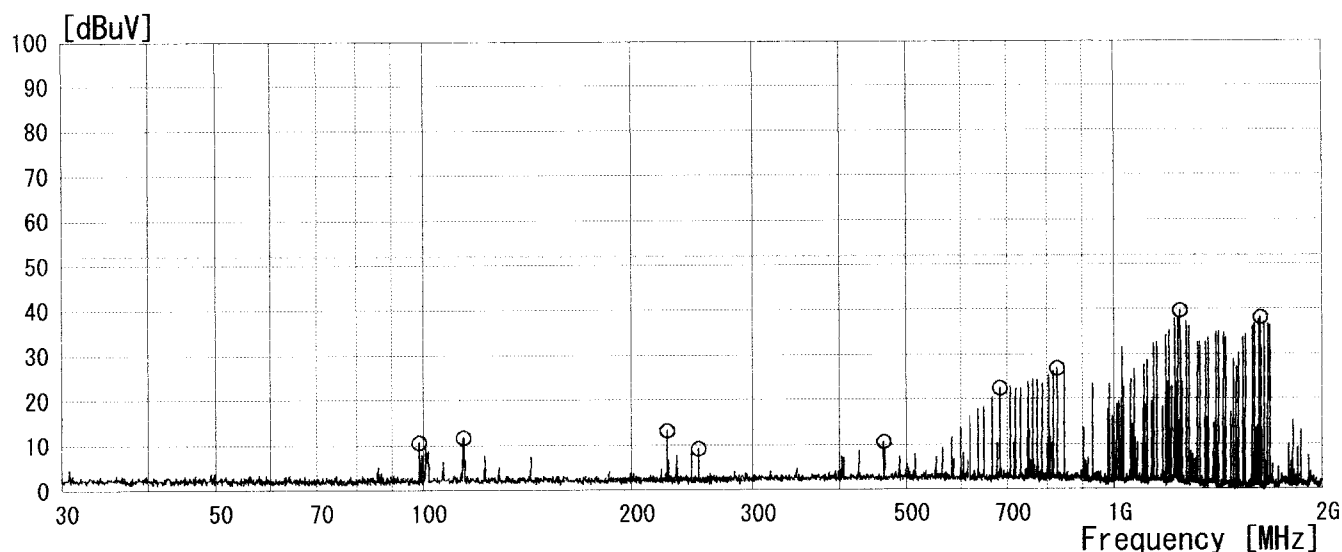
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : TUNNING
LINE : ANTENNA TERMINAL
POWER : AC120V/60Hz
REMARKS : TV MODE

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 17

TEST ENGINEER: Hisayuki Kikuka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	98.900	30.9	----	-20.4	10.5	----	52.0	----	41.5	----
2	114.600	32.0	----	-20.4	11.6	----	52.0	----	40.4	----
3	226.000	33.5	----	-20.4	13.1	----	52.0	----	38.9	----
4	251.100	29.5	----	-20.4	9.1	----	52.0	----	42.9	----
5	465.700	30.9	----	-20.3	10.6	----	52.0	----	41.4	----
6	685.700	42.7	----	-20.3	22.4	----	52.0	----	29.6	----
7	829.000	47.1	----	-20.3	26.8	----	52.0	----	25.2	----
8	1249.300	68.5	----	-28.8	39.7	----	52.0	----	12.3	----
9	1633.600	66.9	----	-28.8	38.1	----	52.0	----	13.9	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



DATA OF ANTENNA TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

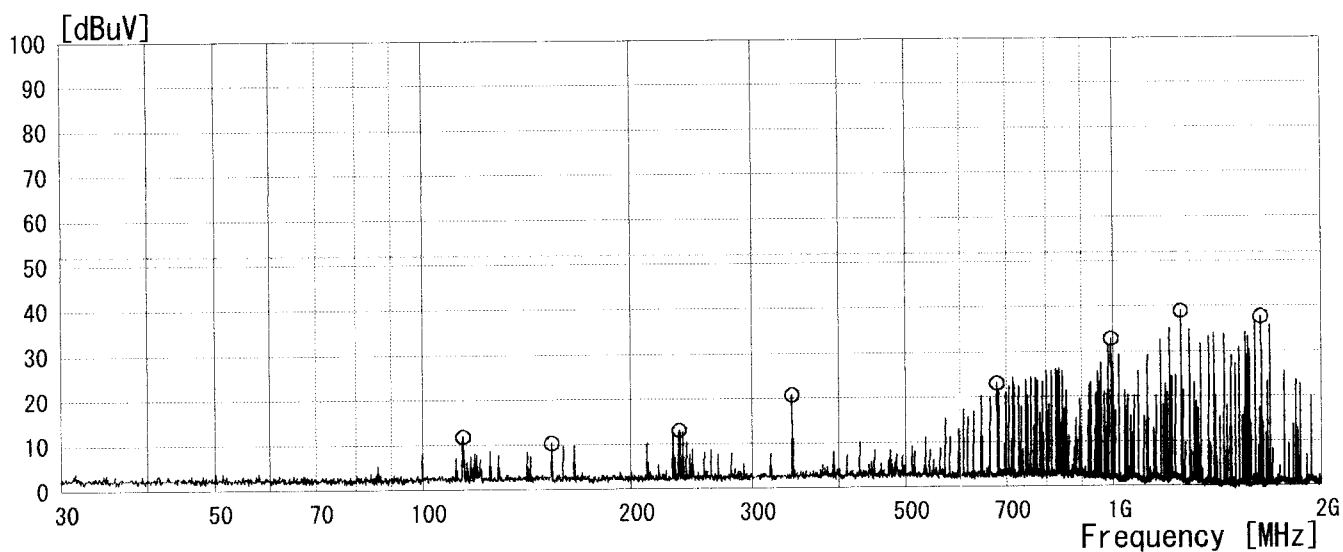
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : TUNNING
LINE : ANTENNA TERMINAL
POWER : AC120V/60Hz
REMARKS : CATV MODE

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 20

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	114.600	32.1	----	-20.4	11.7	----	52.0	----	40.3	----
2	154.000	30.6	----	-20.4	10.2	----	52.0	----	41.8	----
3	235.700	33.3	----	-20.4	12.9	----	52.0	----	39.1	----
4	343.400	41.1	----	-20.3	20.8	----	52.0	----	31.2	----
5	680.000	43.4	----	-20.3	23.1	----	52.0	----	28.9	----
6	994.900	53.1	----	-20.3	32.8	----	52.0	----	19.2	----
7	1255.000	67.8	----	-28.9	38.9	----	52.0	----	13.1	----
8	1638.600	66.4	----	-28.8	37.6	----	52.0	----	14.4	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : Receive + Rec. mode (0 dBmV)

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	86.5	20.4	66.1	69.5	3.4
4	67.25	85.6	20.4	65.2	69.5	4.3

Audio signal

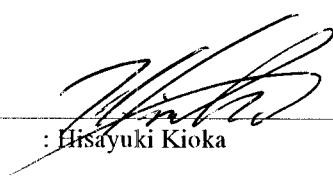
Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.0	20.4	51.6	56.5	4.9
	65.75	69.2	20.4	48.8	56.5	7.7
4	62.75	71.7	20.4	51.3	56.5	5.2
	71.75	69.8	20.4	49.4	56.5	7.1

RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : Receive + Rec. mode (25 dBmV)

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer :  Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.0	20.4	66.6	69.5	2.9
4	67.25	86.0	20.4	65.6	69.5	3.9

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.0	20.4	51.6	56.5	4.9
	65.75	70.9	20.4	50.5	56.5	6.0
4	62.75	70.7	20.4	50.3	56.5	6.2
	71.75	69.9	20.4	49.5	56.5	7.0

RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : AV Input + Rec. mode (1 Vp-p)
Remarks : LINE 1 Input

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer : Hisayuki Kioka

	[MHz]	[dBuV]	[dB]	[dB]	[dBuV]	[dB]
3	61.25	86.6	20.4	66.2	69.5	3.3
4	67.25	85.7	20.4	65.3	69.5	4.2

Audio signal

Ch.	Frequency	Meter reading	Correction factor	Result	Limits	Margin
	[MHz]	[dBuV]	[dB]	[dB]	[dBuV]	[dB]
3	56.75	72.3	20.4	51.9	56.5	4.6
	65.75	71.3	20.4	50.9	56.5	5.6
4	62.75	71.7	20.4	51.3	56.5	5.2
	71.75	69.9	20.4	49.5	56.5	7.0

RF output level

A-PEX INTERNATIONAL CO., LTD.

Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.

Equipment : Video Cassette Recorder

Model number : W425

Power : AC 120 V / 60 Hz

Description : AV Input + Rec. mode (5 Vp-p)

Remarks : LINE 1 Input

Report Number : 22CE0024-KT-1

Regulation : FCC Part 15 Subpart B

Date : October 20, 2001

Engineer

: Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	86.9	20.4	66.5	69.5	3.0
4	67.25	86.7	20.4	66.3	69.5	3.2

Audio signal

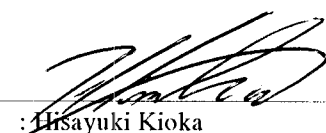
Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.2	20.4	51.8	56.5	4.7
	65.75	71.0	20.4	50.6	56.5	5.9
4	62.75	71.5	20.4	51.1	56.5	5.4
	71.75	70.0	20.4	49.6	56.5	6.9

RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : AV Input + Rec. mode (1 Vp-p)
Remarks : LINE 2 Input

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer :  Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	87.7	20.4	67.3	69.5	2.2
4	67.25	85.8	20.4	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	72.4	20.4	52.0	56.5	4.5
	65.75	72.4	20.4	52.0	56.5	4.5
4	62.75	71.2	20.4	50.8	56.5	5.7
	71.75	69.9	20.4	49.5	56.5	7.0

RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : AV Input + Rec. mode (5 Vp-p)
Remarks : LINE 2 Input

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer :  Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	86.9	20.4	66.5	69.5	3.0
4	67.25	85.8	20.4	65.4	69.5	4.1

Audio signal

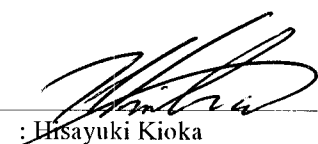
Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.3	20.4	51.9	56.5	4.6
	65.75	71.0	20.4	50.6	56.5	5.9
4	62.75	71.5	20.4	51.1	56.5	5.4
	71.75	69.8	20.4	49.4	56.5	7.1

RF output level

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Lab.

Company : ORION ELECTRIC CO., LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : Playback mode
Remarks : -

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001


 Engineer : Hsayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	86.5	20.4	66.1	69.5	3.4
4	67.25	85.8	20.4	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	71.9	20.4	51.5	56.5	5.0
	65.75	70.8	20.4	50.4	56.5	6.1
4	62.75	71.3	20.4	50.9	56.5	5.6
	71.75	69.6	20.4	49.2	56.5	7.3

SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

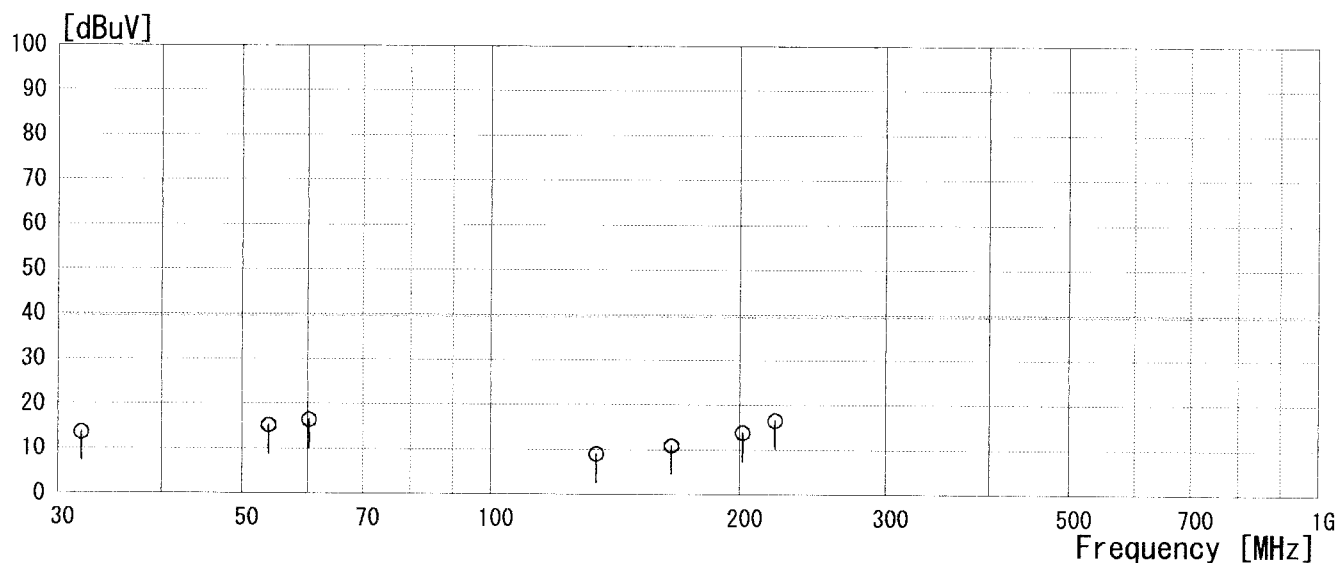
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: RECEIVE+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 0dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 21

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	32.100	33.9	----	-20.4	13.5	----	39.5	----	26.0	----
2	54.000	35.5	----	-20.4	15.1	----	39.5	----	24.4	----
3	60.460	36.7	----	-20.4	16.3	----	39.5	----	23.2	----
4	134.500	29.3	----	-20.4	8.9	----	39.5	----	30.6	----
5	165.800	31.2	----	-20.4	10.8	----	39.5	----	28.7	----
6	202.100	34.1	----	-20.4	13.7	----	39.5	----	25.8	----
7	221.100	36.8	----	-20.4	16.4	----	39.5	----	23.1	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

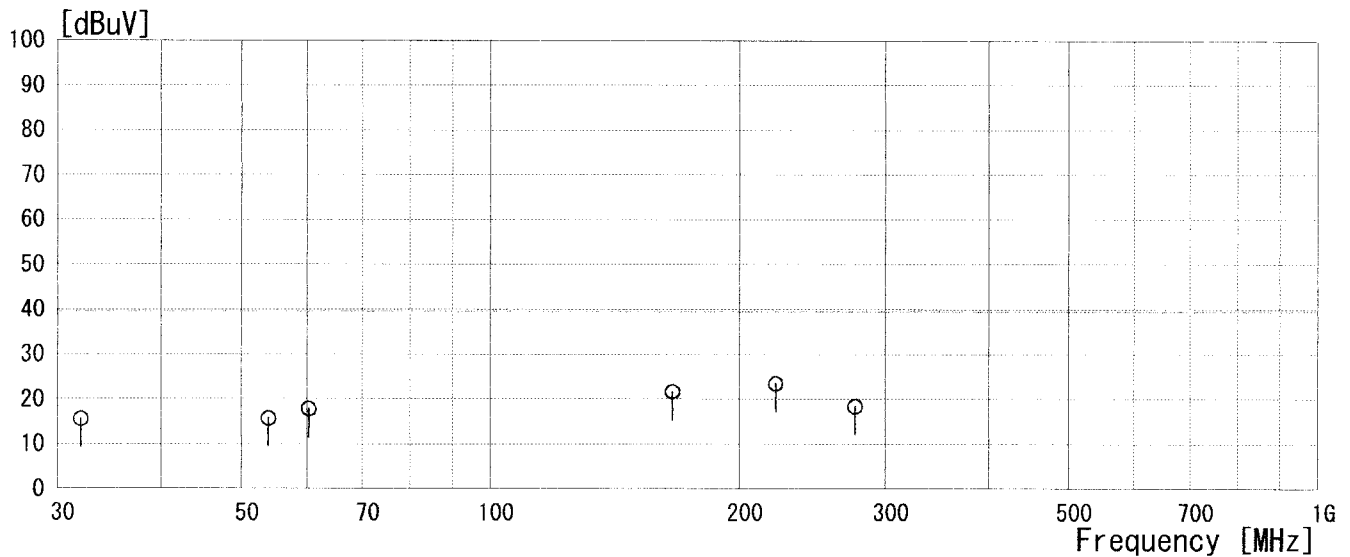
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : RECEIVE+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 22

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.110	35.9	----	-20.4	15.5	----	39.5	----	24.0	----
2	54.000	36.0	----	-20.4	15.6	----	39.5	----	23.9	----
3	60.460	38.1	----	-20.4	17.7	----	39.5	----	21.8	----
4	166.400	42.0	----	-20.4	21.6	----	39.5	----	17.9	----
5	221.700	43.8	----	-20.4	23.4	----	39.5	----	16.1	----
6	276.400	38.7	----	-20.4	18.3	----	39.5	----	21.2	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

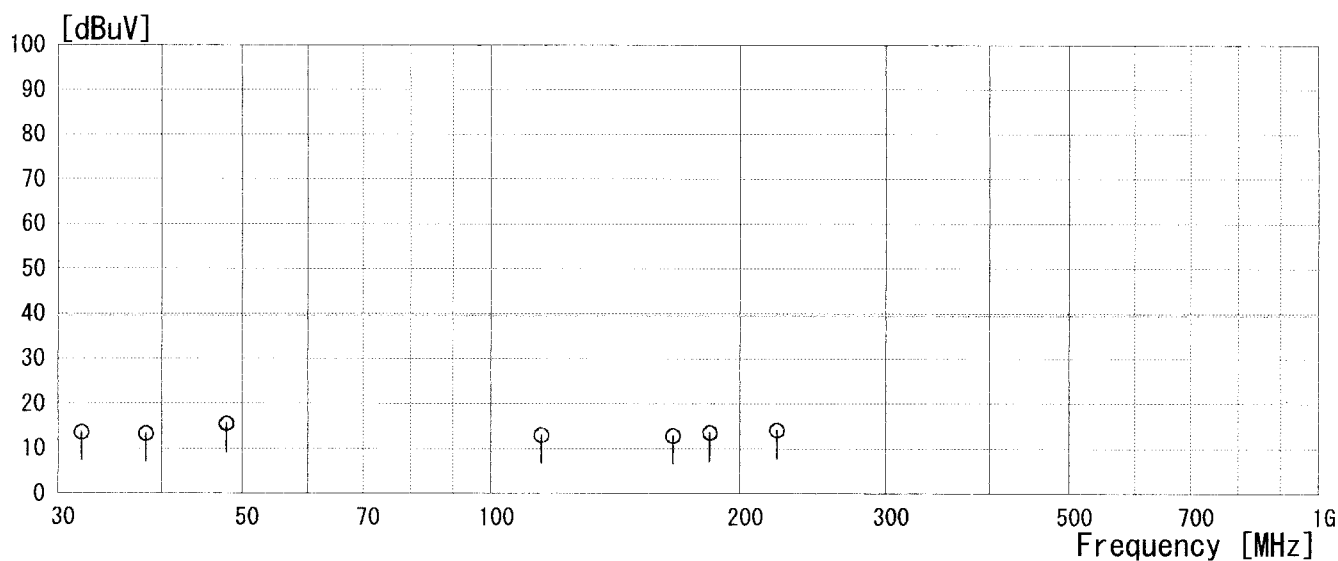
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: RECEIVE+REC (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 0dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 23

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.100	33.9	----	-20.4	13.5	----	39.5	----	26.0	----
2	38.400	33.6	----	-20.4	13.2	----	39.5	----	26.3	----
3	48.000	35.8	----	-20.4	15.4	----	39.5	----	24.1	----
4	115.300	33.3	----	-20.4	12.9	----	39.5	----	26.6	----
5	166.300	33.2	----	-20.4	12.8	----	39.5	----	26.7	----
6	184.300	33.8	----	-20.4	13.4	----	39.5	----	26.1	----
7	222.200	34.4	----	-20.4	14.0	----	39.5	----	25.5	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

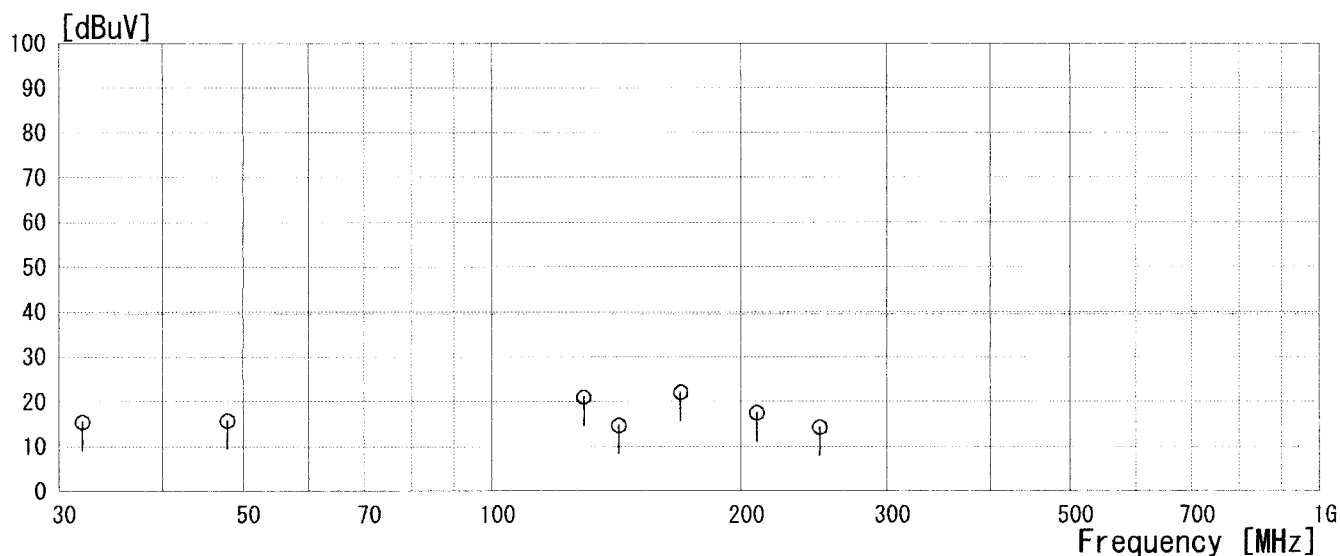
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: RECEIVE+REC (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV INPUT

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 24

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	32.100	35.7	----	-20.4	15.3	----	39.5	----	24.2	----
2	48.000	36.0	----	-20.4	15.6	----	39.5	----	23.9	----
3	129.400	41.3	----	-20.4	20.9	----	39.5	----	18.6	----
4	142.600	35.0	----	-20.4	14.6	----	39.5	----	24.9	----
5	169.500	42.3	----	-20.4	21.9	----	39.5	----	17.6	----
6	209.600	37.8	----	-20.4	17.4	----	39.5	----	22.1	----
7	249.800	34.6	----	-20.4	14.2	----	39.5	----	25.3	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

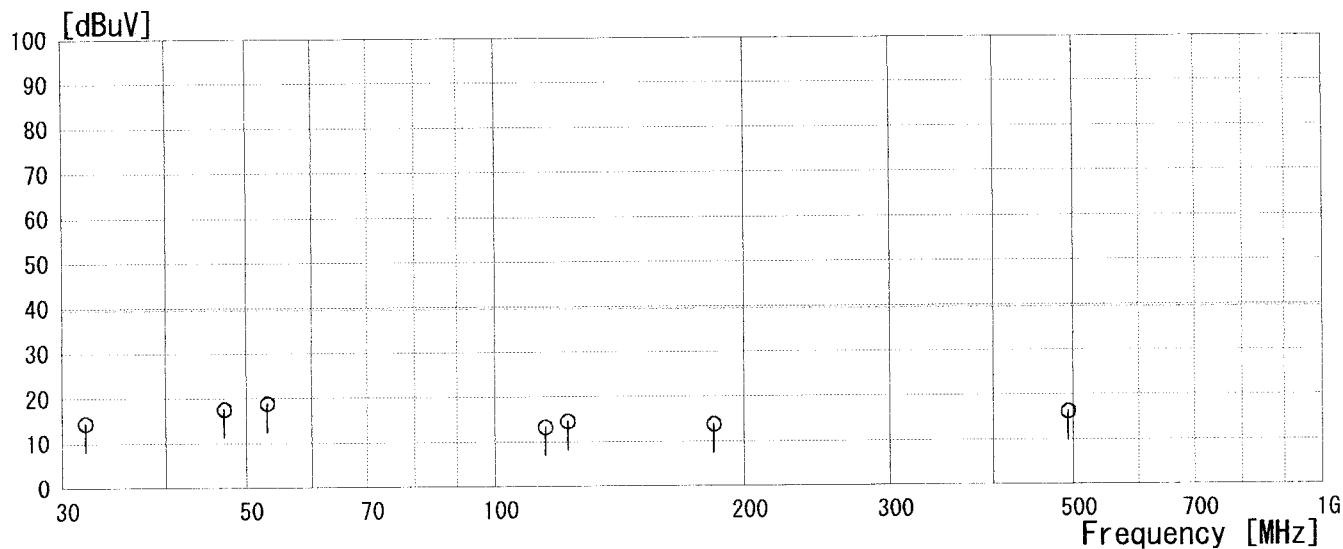
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: AV INPUT+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT
: LINE 1

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 25

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]
1	32.100	34.7	----	-20.4	14.3	----	39.5	----	25.2	----
2	47.200	37.9	----	-20.4	17.5	----	39.5	----	22.0	----
3	53.200	39.1	----	-20.4	18.7	----	39.5	----	20.8	----
4	115.300	33.6	----	-20.4	13.2	----	39.5	----	26.3	----
5	122.800	34.8	----	-20.4	14.4	----	39.5	----	25.1	----
6	184.300	34.1	----	-20.4	13.7	----	39.5	----	25.8	----
7	493.800	36.5	----	-20.3	16.2	----	39.5	----	23.3	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

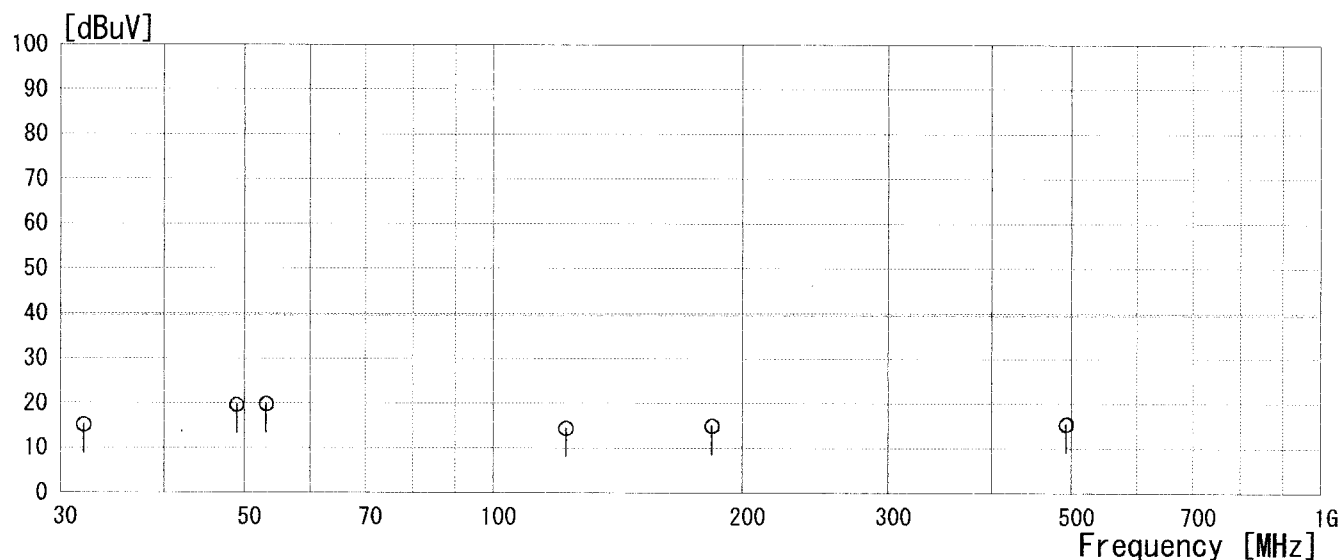
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT
: LINE 1

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 26

TEST ENGINEER: Htsayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.100	35.4	----	-20.4	15.0	----	39.5	----	24.5	----
2	49.100	39.9	----	-20.4	19.5	----	39.5	----	20.0	----
3	53.300	40.1	----	-20.4	19.7	----	39.5	----	19.8	----
4	122.800	34.7	----	-20.4	14.3	----	39.5	----	25.2	----
5	184.300	35.2	----	-20.4	14.8	----	39.5	----	24.7	----
6	493.800	35.7	----	-20.3	15.4	----	39.5	----	24.1	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

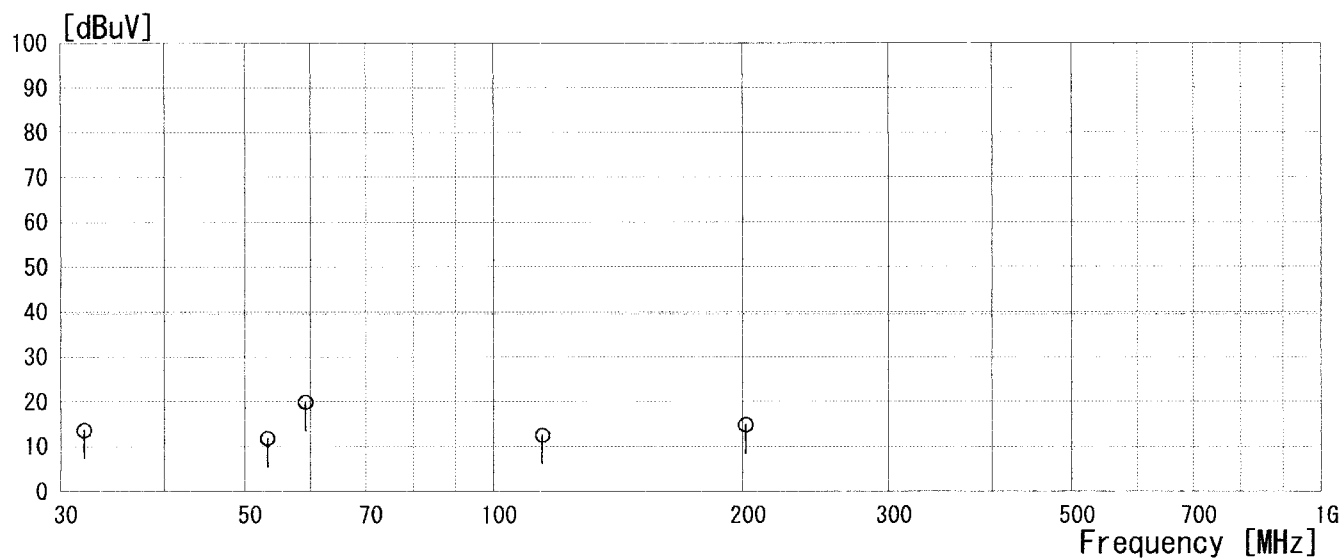
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT
: LINE 1

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 28

TEST ENGINEER: Htsayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.110	33.9	----	-20.4	13.5	----	39.5	----	26.0	----
2	53.400	32.1	----	-20.4	11.7	----	39.5	----	27.8	----
3	59.430	40.2	----	-20.4	19.8	----	39.5	----	19.7	----
4	114.800	32.8	----	-20.4	12.4	----	39.5	----	27.1	----
5	202.100	35.1	----	-20.4	14.7	----	39.5	----	24.8	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

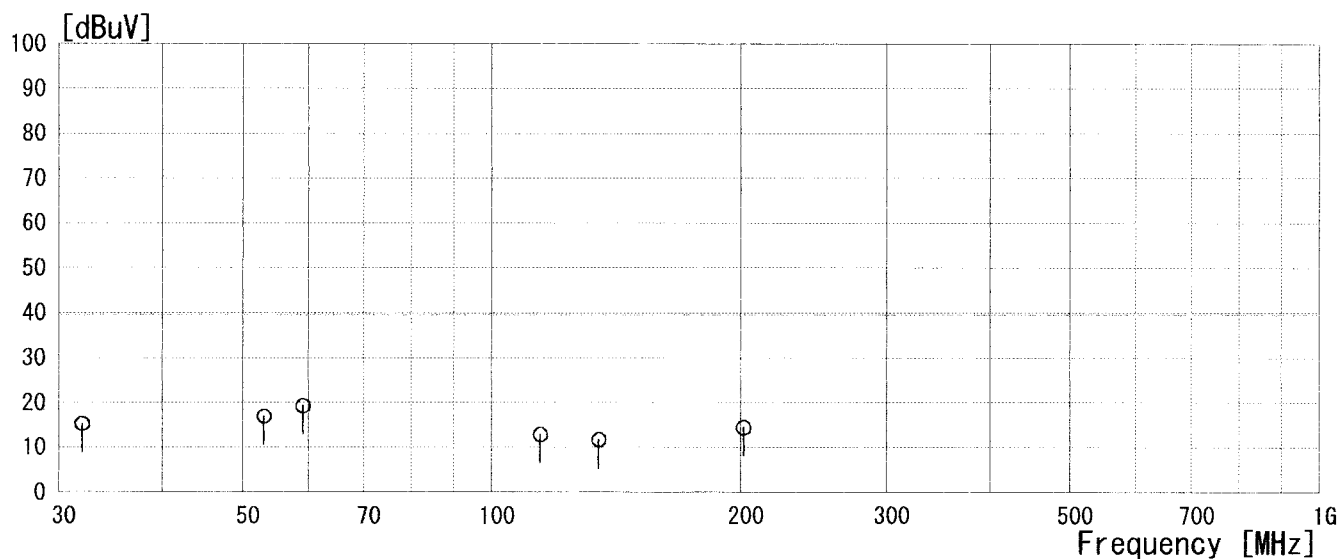
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: AV INPUT+REC (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT
: LINE 1

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 27

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.110	35.5	----	-20.4	15.1	----	39.5	----	24.4	----
2	53.200	37.2	----	-20.4	16.8	----	39.5	----	22.7	----
3	59.310	39.6	----	-20.4	19.2	----	39.5	----	20.3	----
4	114.800	33.2	----	-20.4	12.8	----	39.5	----	26.7	----
5	135.100	32.0	----	-20.4	11.6	----	39.5	----	27.9	----
6	202.100	34.7	----	-20.4	14.3	----	39.5	----	25.2	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

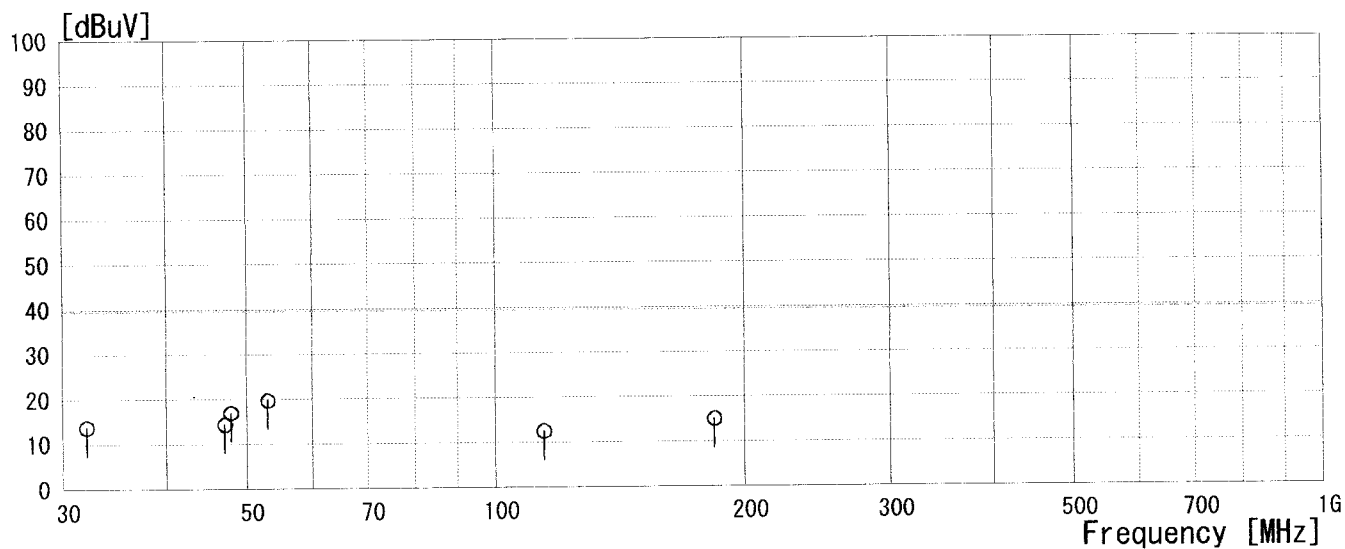
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT
: LINE 2

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 29

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.150	34.0	----	-20.4	13.6	----	39.5	----	25.9	----
2	47.200	34.6	----	-20.4	14.2	----	39.5	----	25.3	----
3	48.000	37.2	----	-20.4	16.8	----	39.5	----	22.7	----
4	53.200	40.0	----	-20.4	19.6	----	39.5	----	19.9	----
5	114.700	32.7	----	-20.4	12.3	----	39.5	----	27.2	----
6	184.300	35.2	----	-20.4	14.8	----	39.5	----	24.7	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

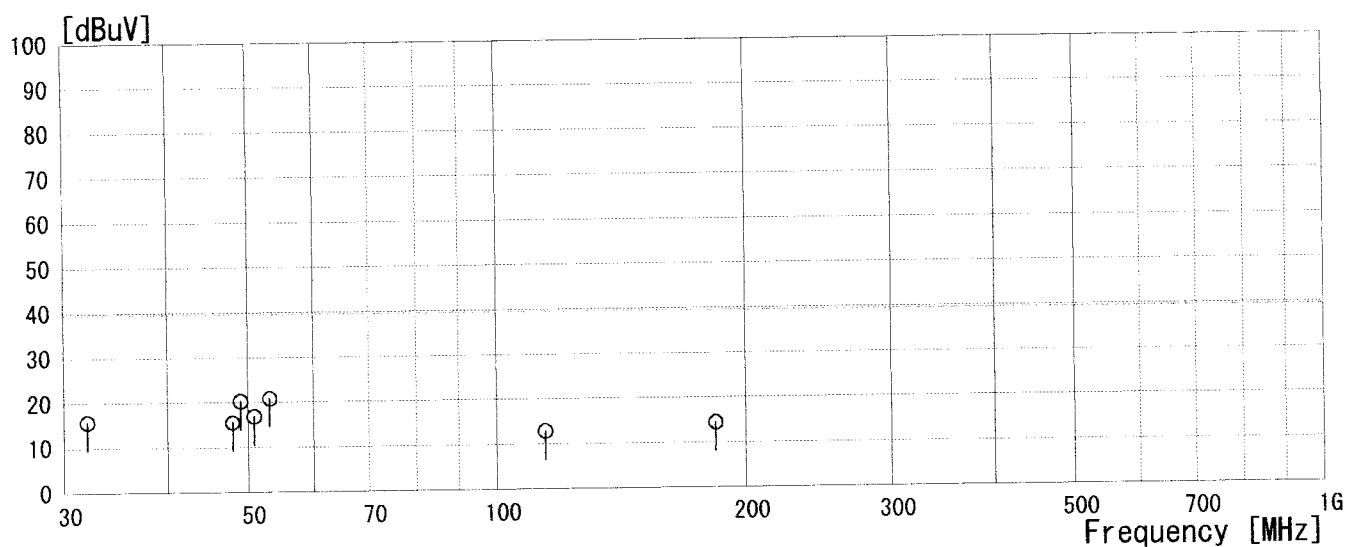
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE : AV INPUT+REC (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT
: LINE 2

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 30

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV [dBuV]		QP	AV [dBuV]	QP	AV [dBuV]	QP	AV [dB]
1	32.100	36.0	----	-20.4	15.6	----	39.5	----	23.9	----
2	48.050	35.8	----	-20.4	15.4	----	39.5	----	24.1	----
3	49.150	40.5	----	-20.4	20.1	----	39.5	----	19.4	----
4	51.000	37.1	----	-20.4	16.7	----	39.5	----	22.8	----
5	53.300	41.1	----	-20.4	20.7	----	39.5	----	18.8	----
6	114.700	33.1	----	-20.4	12.7	----	39.5	----	26.8	----
7	184.300	34.7	----	-20.4	14.3	----	39.5	----	25.2	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

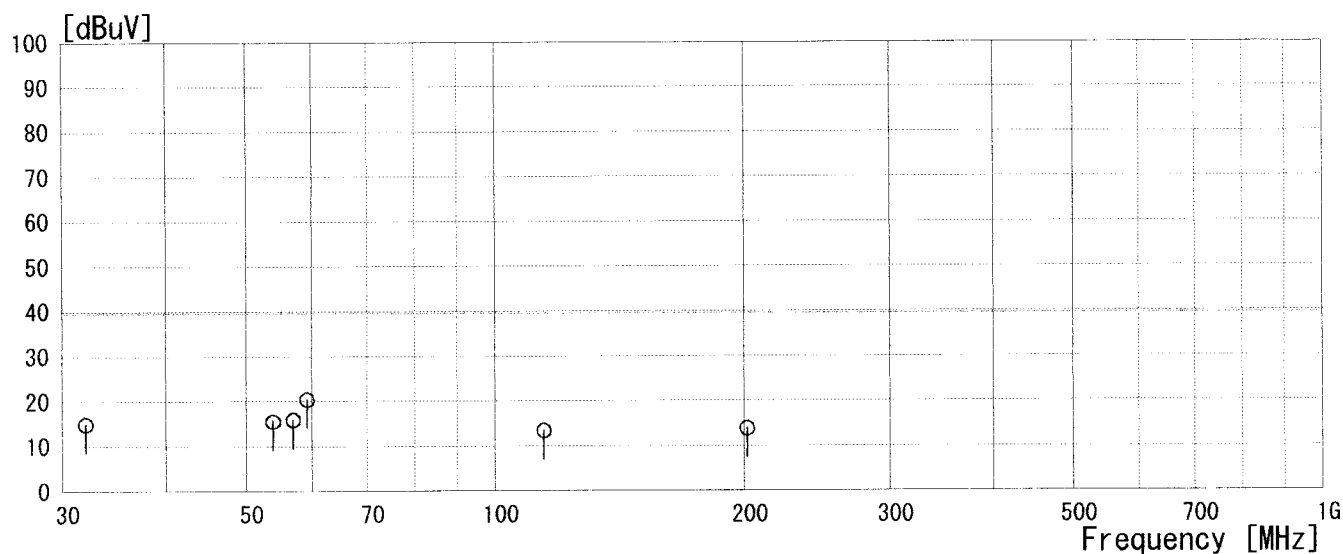
COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : VIDEO CASSETTE RECORDER
 MODEL NAME : W425
 OPERATION MODE: AV INPUT+REC (4CH OUTPUT)
 LINE : RF OUTPUT TERMINAL
 POWER : AC120V/60Hz
 REMARKS : 5Vp-p INPUT
 : LINE 2

REPORT No. : 22CE0024-KT-1
 DATE : OCTOBER 20, 2001
 REGULATION : FCC PART15 SUBPART B
 TEST No. : 31

TEST ENGINEER: *Hisayuki Kioka*

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.110	35.2	----	-20.4	14.8	----	39.5	----	24.7	----
2	54.000	35.8	----	-20.4	15.4	----	39.5	----	24.1	----
3	57.140	36.1	----	-20.4	15.7	----	39.5	----	23.8	----
4	59.370	40.7	----	-20.4	20.3	----	39.5	----	19.2	----
5	114.800	33.7	----	-20.4	13.3	----	39.5	----	26.2	----
6	202.100	34.1	----	-20.4	13.7	----	39.5	----	25.8	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

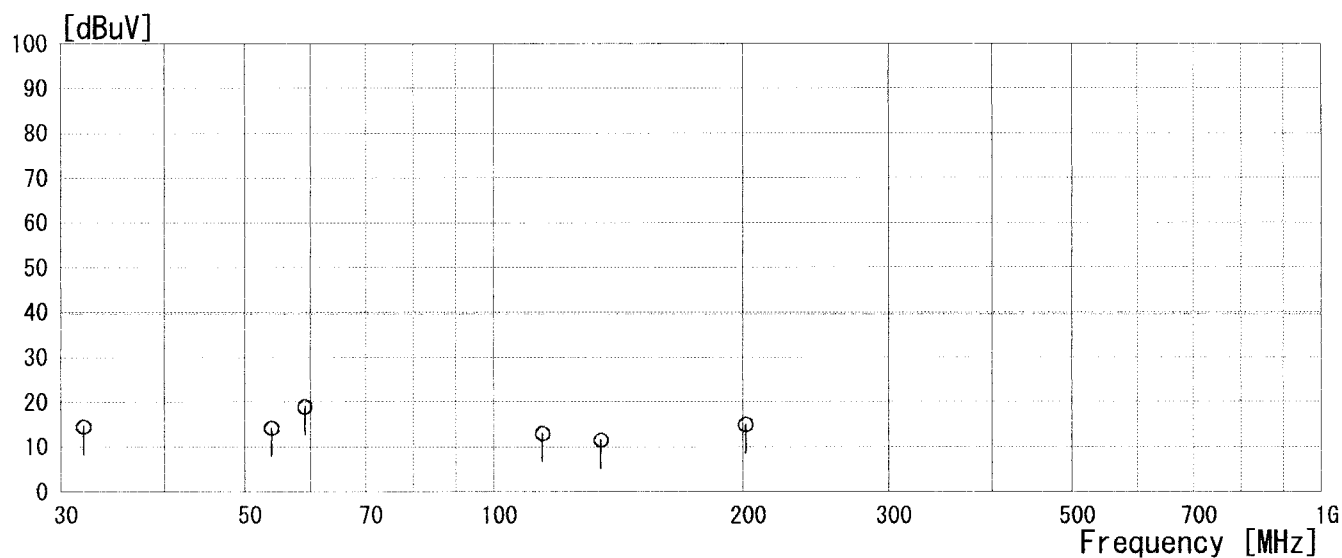
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: AV INPUT+REC (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT
: LINE 2

REPORT No. : 22CE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 32

TEST ENGINEER Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.060	34.8	----	-20.4	14.4	----	39.5	----	25.1	----
2	54.000	34.5	----	-20.4	14.1	----	39.5	----	25.4	----
3	59.260	39.3	----	-20.4	18.9	----	39.5	----	20.6	----
4	114.800	33.3	----	-20.4	12.9	----	39.5	----	26.6	----
5	135.100	31.8	----	-20.4	11.4	----	39.5	----	28.1	----
6	202.100	35.2	----	-20.4	14.8	----	39.5	----	24.7	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

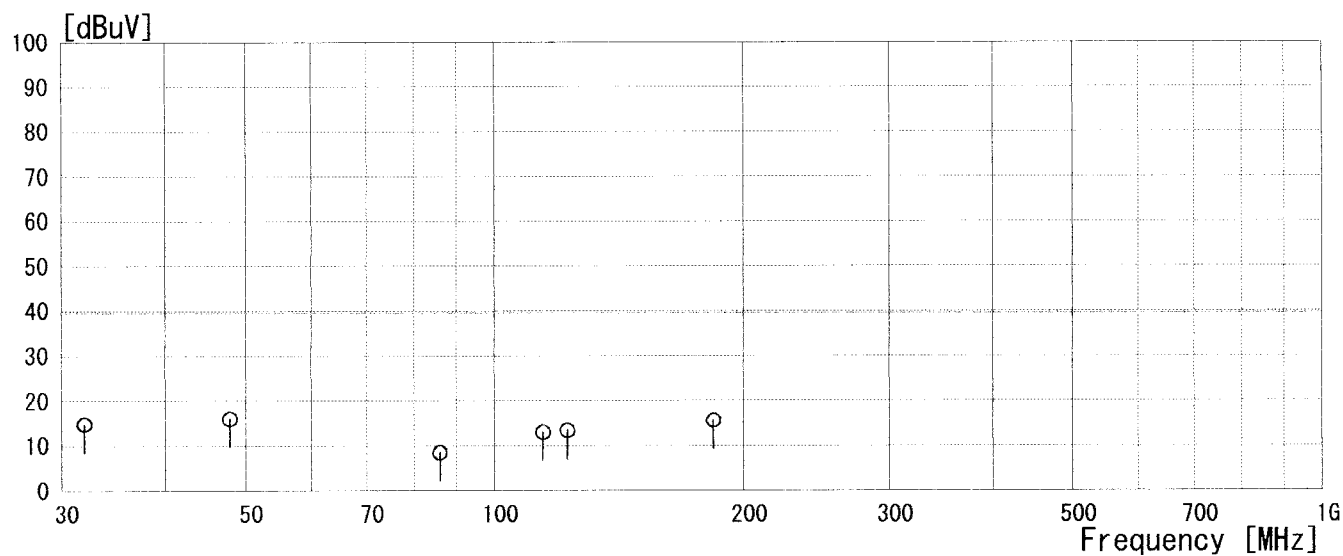
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: PLAYBACK (3CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22GE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 33

TEST ENGINEER: Hrsayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.050	35.1	----	-20.4	14.7	----	39.5	----	24.8	----
2	48.000	36.3	----	-20.4	15.9	----	39.5	----	23.6	----
3	86.100	28.8	----	-20.4	8.4	----	39.5	----	31.1	----
4	114.700	33.3	----	-20.4	12.9	----	39.5	----	26.6	----
5	122.800	33.7	----	-20.4	13.3	----	39.5	----	26.2	----
6	184.300	35.9	----	-20.4	15.5	----	39.5	----	24.0	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



SPURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
Kanto Office EMC Lab.

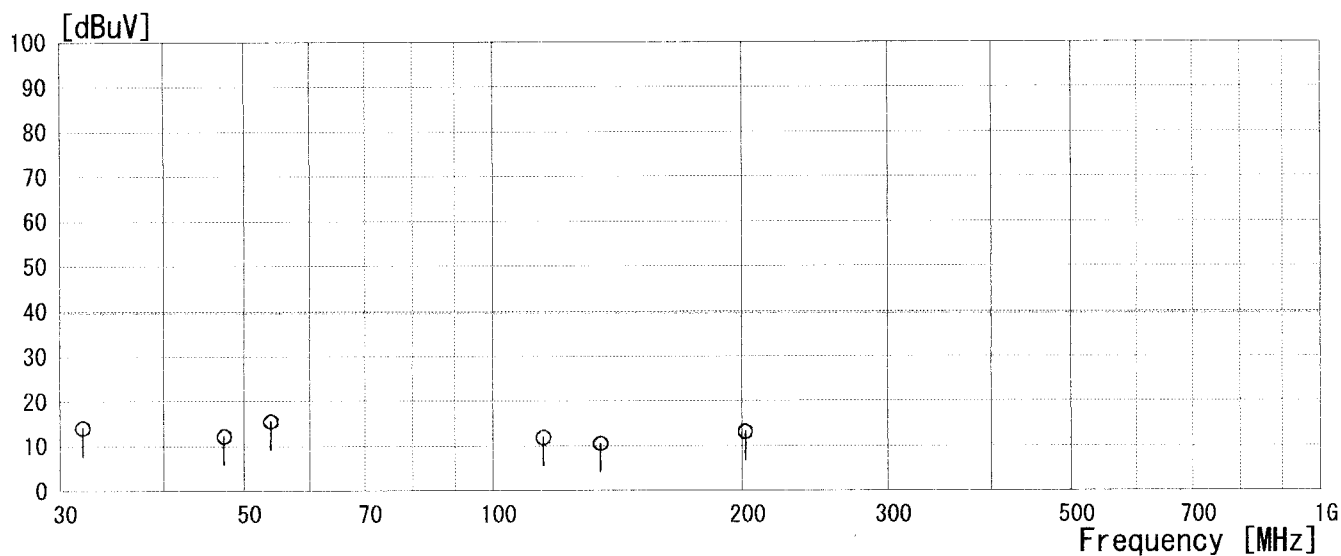
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W425
OPERATION MODE: PLAYBACK (4CH OUTPUT)
LINE : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22GE0024-KT-1
DATE : OCTOBER 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST No. : 34

TEST ENGINEER: Hisayuki Kioka

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	32.050	34.3	----	-20.4	13.9	----	39.5	----	25.6	----
2	47.450	32.5	----	-20.4	12.1	----	39.5	----	27.4	----
3	54.000	35.8	----	-20.4	15.4	----	39.5	----	24.1	----
4	115.300	32.2	----	-20.4	11.8	----	39.5	----	27.7	----
5	135.200	30.8	----	-20.4	10.4	----	39.5	----	29.1	----
6	202.300	33.4	----	-20.4	13.0	----	39.5	----	26.5	----

RESULTS=READING+CABLE LOSS+PAD LOSS-AMP. GAIN



Picture sensitivity test

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Laboratory

Company	: ORION ELECTRIC CO.,LTD.
Equipment	: Video Cassette Recorder
Model number	: W425
Power	: AC 120 V / 60 Hz
Description	: Receive mode

Report Number : 22CE0024-KT-1
Regulation : FCC Part 15 Subpart B
Date : October 20, 2001

Engineer : Hisayuki Kioka

Ch.	Frequency	Sensitivity		Ch.	Frequency	Sensitivity	
[VHF]	[MHz]	[dBuV]	[uV]	[UHF]	[MHz]	[dBuV]	[uV]
2	55.25	20.0	10.0	14	471.25	21.5	11.8
3	61.25	18.8	8.7	20	507.25	22.2	12.8
4	67.25	19.3	9.2	26	543.25	22.7	13.6
5	77.25	19.9	9.8	32	579.25	22.8	13.8
6	83.25	20.1	10.1	38	615.25	23.1	14.2
7	175.25	17.1	7.1	44	651.25	23.2	14.4
8	181.25	17.0	7.0	50	687.25	23.0	14.1
9	187.25	17.1	7.1	56	723.25	23.0	14.1
10	193.25	17.2	7.2	62	759.25	22.5	13.3
11	199.25	17.0	7.0	69	801.25	22.2	12.8
12	205.25	16.8	6.9	-	-	-	-
13	211.25	17.0	7.0	-	-	-	-
Average VHF			8.1	Average UHF			13.5
Average UHF/VHF : $20 \log \text{UHF}[\text{uV}]/\text{VHF}[\text{uV}] = 4.4 \text{ dB}$							
[Limit : 8.0 dB]							

Noise figure test

A-PEX INTERNATIONAL CO., LTD.
Kanto office EMC Laboratory

Company : ORION ELECTRIC CO.,LTD.
Equipment : Video Cassette Recorder
Model number : W425
Power : AC 120 V / 60 Hz
Description : Receive mode

Report Number : 22CE0024-KT-1
Regulation : FCC Part15 Subpart B
Date : October 20, 2001

Engineer : Hisayuki Kioka

Ch.	Frequency [MHz]	Meter reading [dB]	Correction factor [dB]	Noise figure [dB]	Limit [dB]	Margin [dB]
TV VHF Fundamental						
2	55.25	6.0	0.2	5.8	14.0	8.2
3	61.25	5.0	0.2	4.8	14.0	9.2
4	67.25	6.0	0.2	5.8	14.0	8.2
5	77.25	6.5	0.2	6.3	14.0	7.7
6	83.25	7.0	0.2	6.8	14.0	7.2
7	175.25	4.0	0.2	3.8	14.0	10.2
8	181.25	4.0	0.2	3.8	14.0	10.2
9	187.25	4.0	0.2	3.8	14.0	10.2
10	193.25	4.0	0.2	3.8	14.0	10.2
11	199.25	4.0	0.2	3.8	14.0	10.2
12	205.25	4.0	0.2	3.8	14.0	10.2
13	211.25	4.0	0.2	3.8	14.0	10.2
TV UHF Fundamental						
14	471.25	7.0	0.3	6.7	14.0	7.3
20	507.25	7.8	0.3	7.5	14.0	6.5
26	543.25	8.0	0.3	7.7	14.0	6.3
32	579.25	8.0	0.3	7.7	14.0	6.3
38	615.25	8.0	0.3	7.7	14.0	6.3
44	651.25	8.0	0.3	7.7	14.0	6.3
50	687.25	8.0	0.3	7.7	14.0	6.3
56	723.25	8.0	0.4	7.6	14.0	6.4
62	759.25	8.0	0.4	7.6	14.0	6.4
69	801.25	8.0	0.4	7.6	14.0	6.4
Mid-band						
14	121.25	7.6	0.2	7.4	14.0	6.6
16	133.25	7.4	0.2	7.2	14.0	6.8
18	145.25	4.5	0.2	4.3	14.0	9.7
20	157.25	4.5	0.2	4.3	14.0	9.7
22	169.25	4.0	0.2	3.8	14.0	10.2
Super-band						
23	217.25	4.0	0.2	3.8	14.0	10.2
26	235.25	4.9	0.2	4.7	14.0	9.3
29	253.25	4.0	0.2	3.8	14.0	10.2
32	271.25	4.4	0.2	4.2	14.0	9.8
36	295.25	4.6	0.2	4.4	14.0	9.6