

Appendix 2 : Data of EMI tests

This section contains the following data.

Page 31 to Page 44 :	Conducted interference
Page 45 to Page 59 :	Radiated emission
Page 60 to Page 61 :	Antenna terminal voltage
Page 62 to Page 82 :	RF output level / spurious emission
Page 83 to Page 92 :	Antenna transfer switch
Page 93 :	Picture sensitivity
Page 94 :	Noise figure

DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

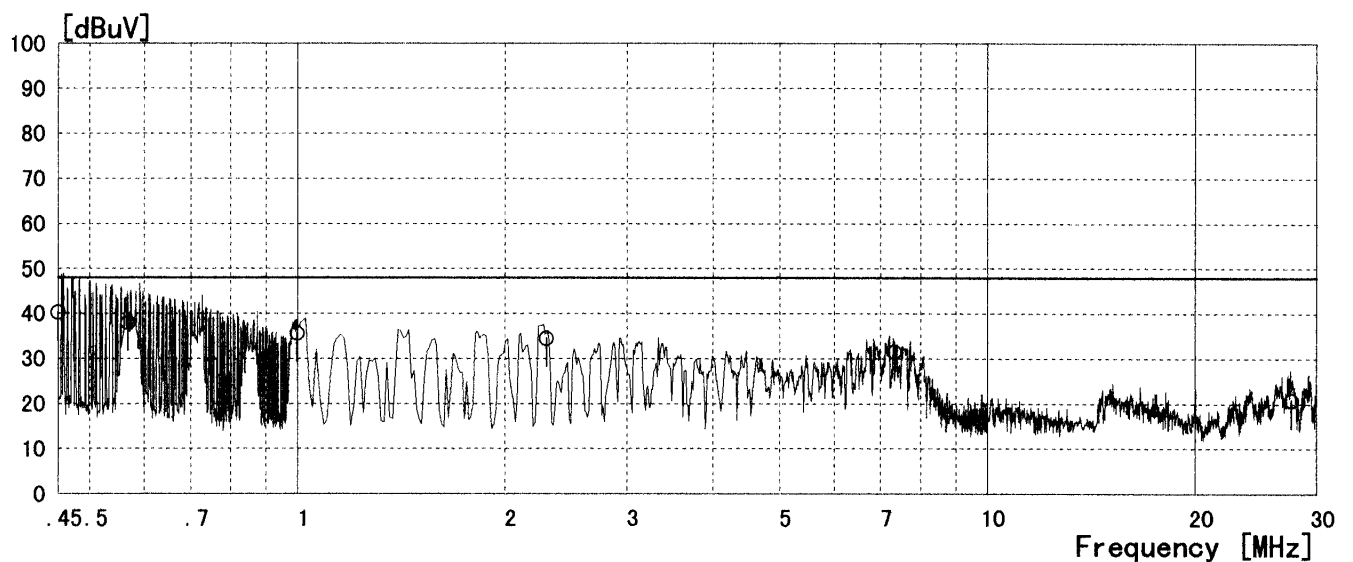
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: TV Reception + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 0dBmV INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 1

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	39.7	----	0.5	40.2	----	48.0	----	7.8	----
2	0.569	37.5	----	0.5	38.0	----	48.0	----	10.0	----
3	0.998	35.2	----	0.4	35.6	----	48.0	----	12.4	----
4	2.295	34.0	----	0.4	34.4	----	48.0	----	13.6	----
5	7.342	30.8	----	0.6	31.4	----	48.0	----	16.6	----
6	27.600	19.7	----	1.0	20.7	----	48.0	----	27.3	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

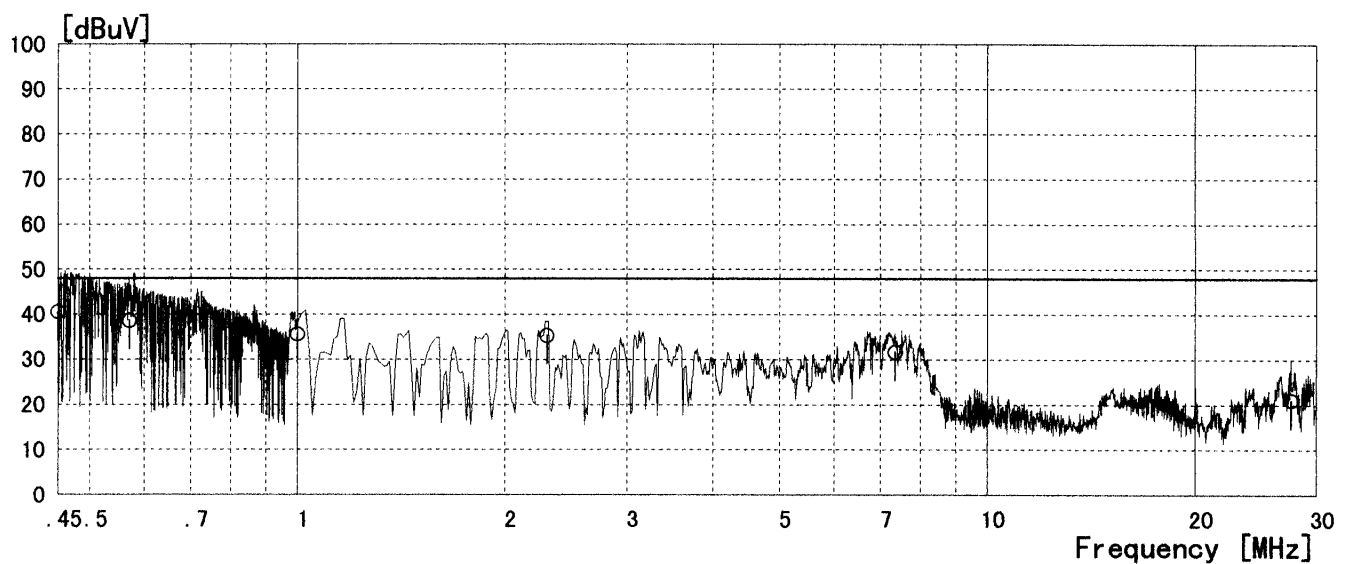
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: TV Reception + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 0dBmV INPUT
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 2


TEST ENGINEER: H. SAYUKI 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	40.0	----	0.5	40.5	----	48.0	----	7.5	----
2	0.571	38.1	----	0.5	38.6	----	48.0	----	9.4	----
3	1.000	35.2	----	0.4	35.6	----	48.0	----	12.4	----
4	2.299	34.8	----	0.4	35.2	----	48.0	----	12.8	----
5	7.358	31.0	----	0.6	31.6	----	48.0	----	16.4	----
6	27.577	19.9	----	1.0	20.9	----	48.0	----	27.1	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

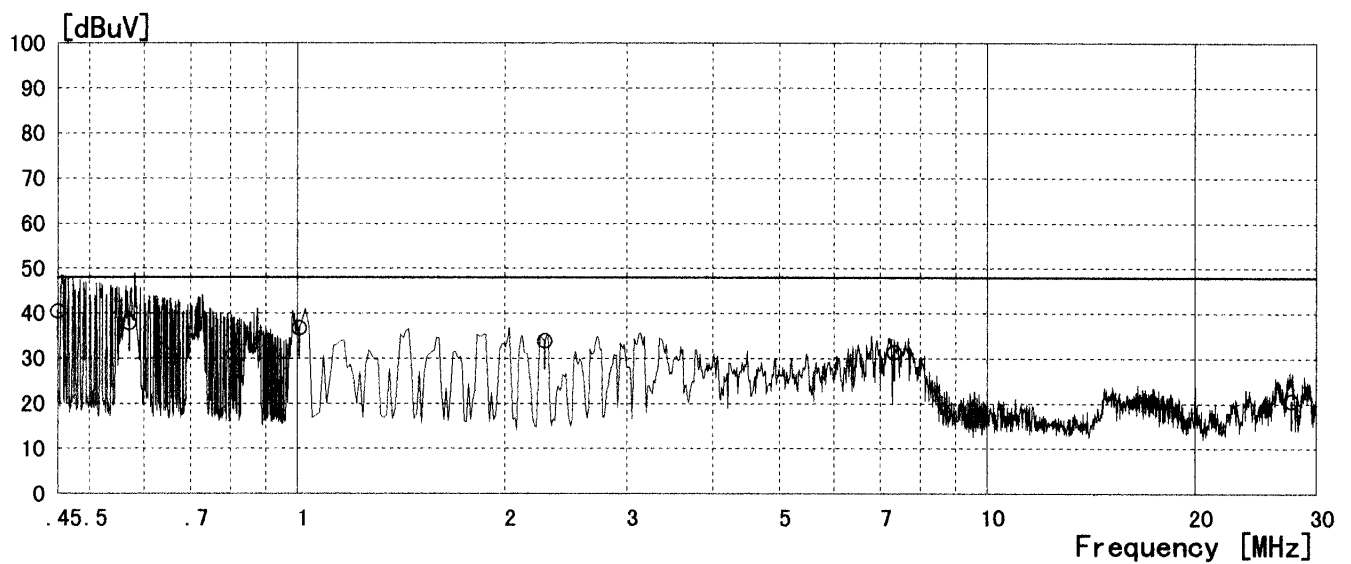
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: TV Reception + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 25dBmV INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 3

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	39.9	----	0.5	40.4	----	48.0	----	7.6	----
2	0.571	37.4	----	0.5	37.9	----	48.0	----	10.1	----
3	1.007	36.3	----	0.4	36.7	----	48.0	----	11.3	----
4	2.284	33.4	----	0.4	33.8	----	48.0	----	14.2	----
5	7.342	30.7	----	0.6	31.3	----	48.0	----	16.7	----
6	27.609	19.5	----	1.0	20.5	----	48.0	----	27.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

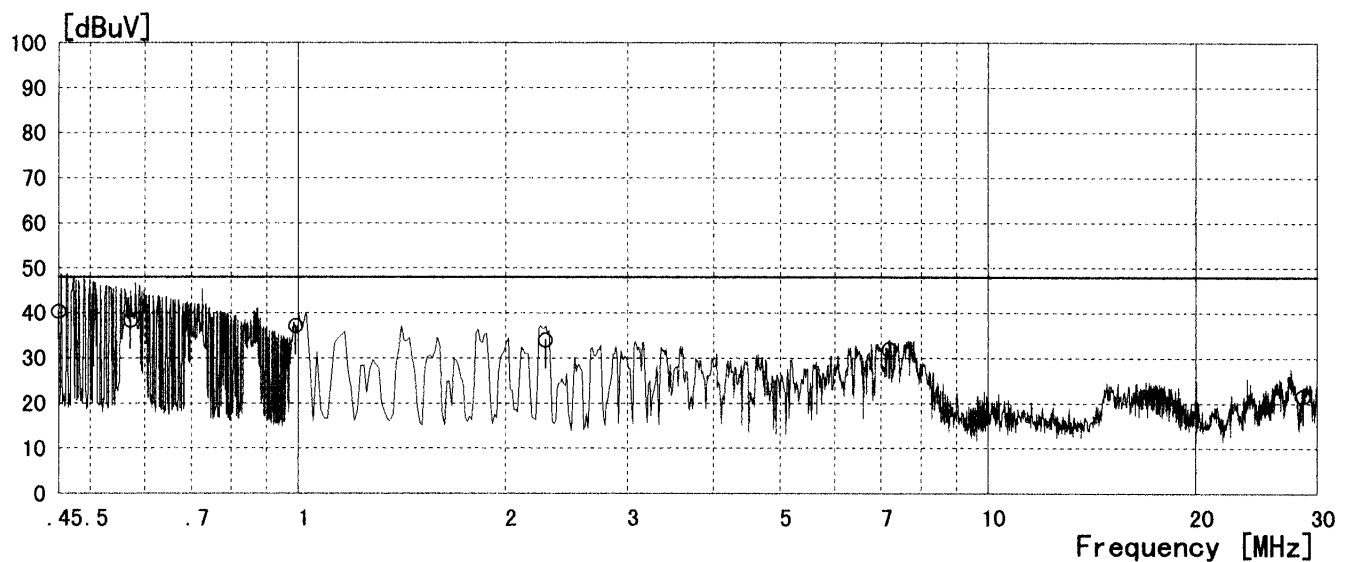
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: TV Reception + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 25dBmV INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 4

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	39.8	----	0.5	40.3	----	48.0	----	7.7	----
2	0.572	37.9	----	0.5	38.4	----	48.0	----	9.6	----
3	0.991	36.7	----	0.4	37.1	----	48.0	----	10.9	----
4	2.283	33.5	----	0.4	33.9	----	48.0	----	14.1	----
5	7.196	31.2	----	0.6	31.8	----	48.0	----	16.2	----
6	28.637	20.5	----	1.1	21.6	----	48.0	----	26.4	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

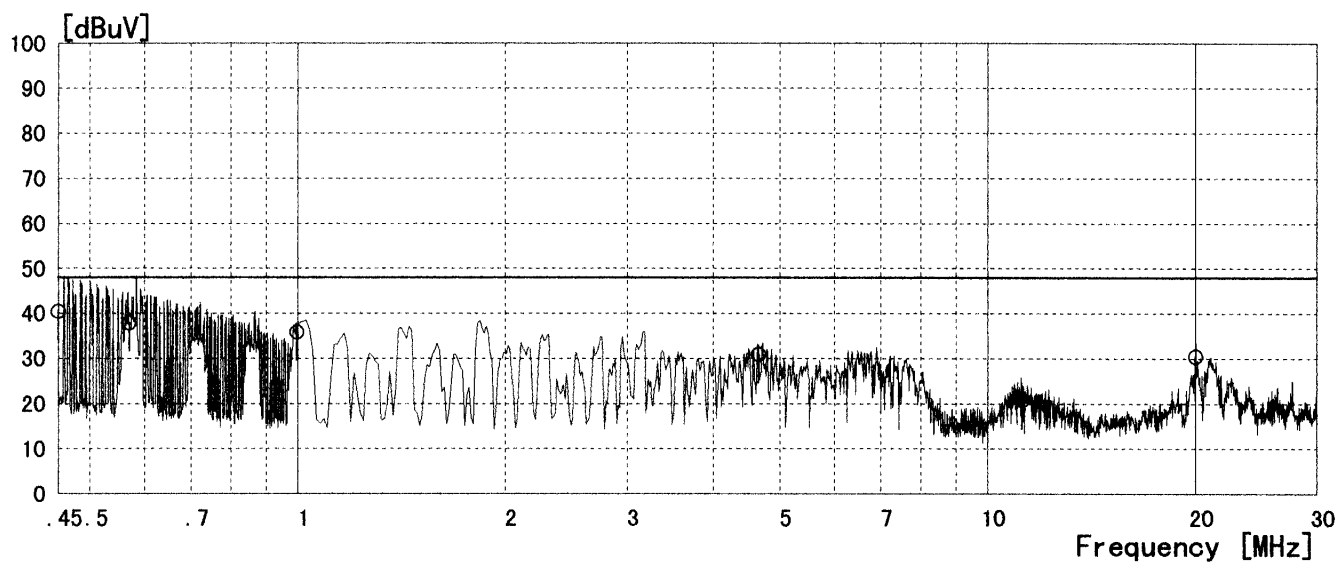
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 5

(Signature)
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	39.9	----	0.5	40.4	----	48.0	----	7.6	----
2	0.570	37.4	----	0.5	37.9	----	48.0	----	10.1	----
3	0.996	35.4	----	0.4	35.8	----	48.0	----	12.2	----
4	4.655	30.3	----	0.6	30.9	----	48.0	----	17.1	----
5	11.216	20.0	----	0.7	20.7	----	48.0	----	27.3	----
6	20.008	29.6	----	0.9	30.5	----	48.0	----	17.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

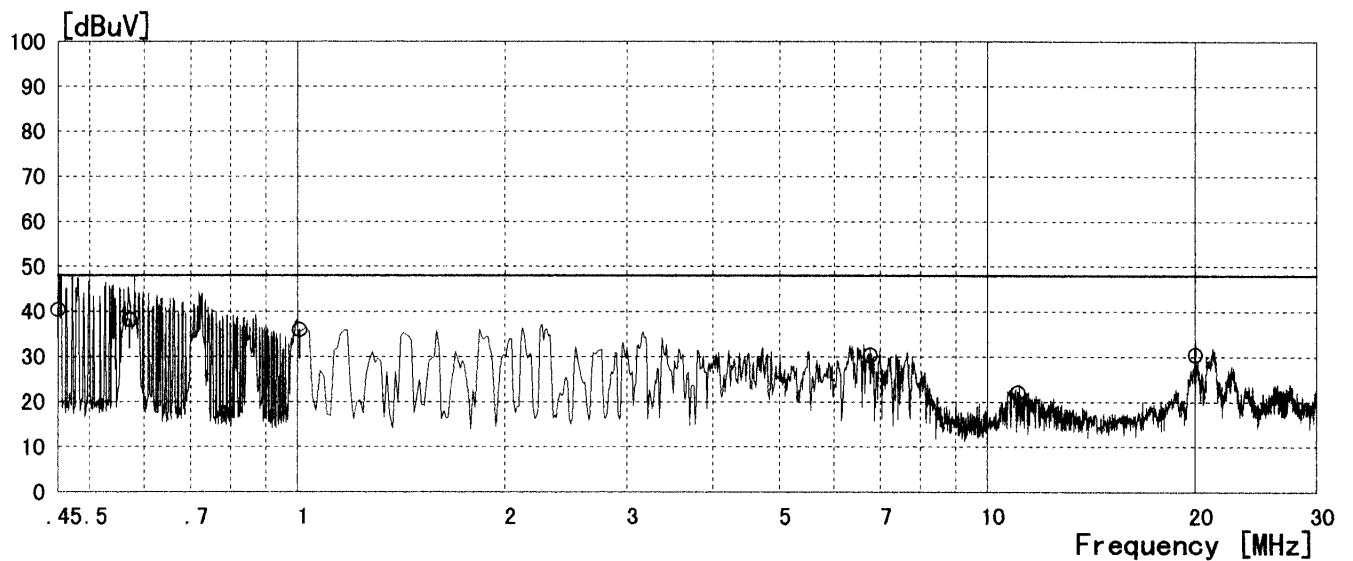
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 6

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	39.9	----	0.5	40.4	----	48.0	----	7.6	----
2	0.571	37.7	----	0.5	38.2	----	48.0	----	9.8	----
3	1.006	35.5	----	0.4	35.9	----	48.0	----	12.1	----
4	6.774	29.7	----	0.6	30.3	----	48.0	----	17.7	----
5	11.074	21.3	----	0.7	22.0	----	48.0	----	26.0	----
6	20.009	29.6	----	0.9	30.5	----	48.0	----	17.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

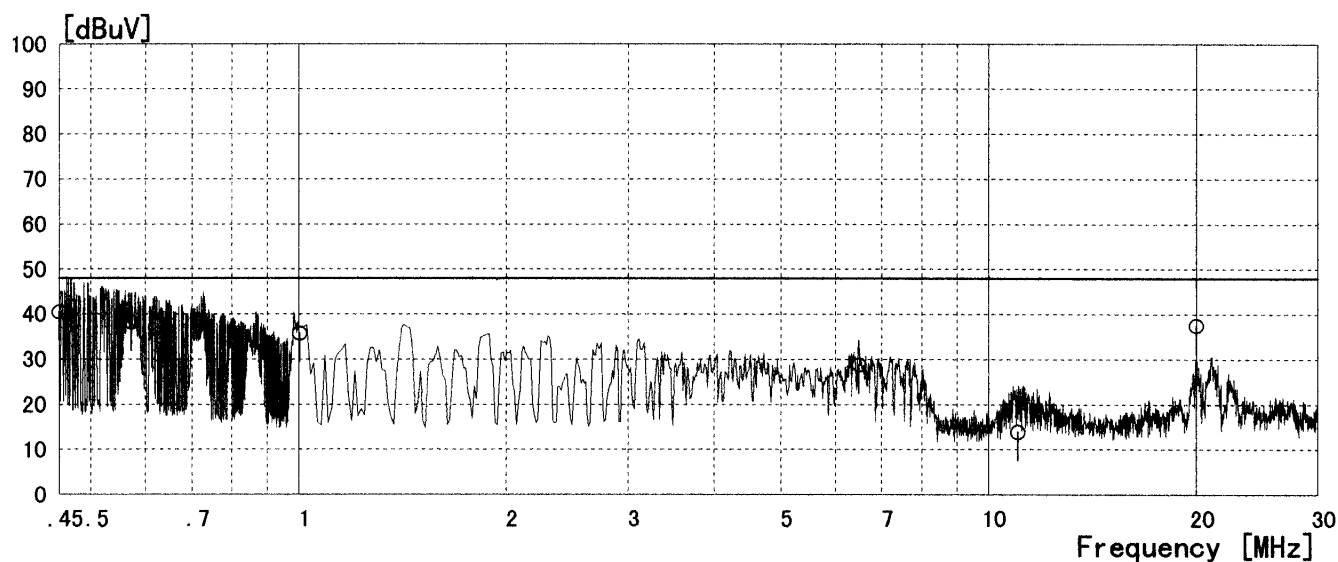
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 7

(Signature)
TEST ENGINEER: HITSUYUKI 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	39.9	----	0.5	40.4	----	48.0	----	7.6	----
2	0.572	37.7	----	0.5	38.2	----	48.0	----	9.8	----
3	1.003	35.3	----	0.4	35.7	----	48.0	----	12.3	----
4	6.496	28.1	----	0.6	28.7	----	48.0	----	19.3	----
5	11.032	13.1	----	0.7	13.8	----	48.0	----	34.2	----
6	20.003	36.6	----	0.9	37.5	----	48.0	----	10.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

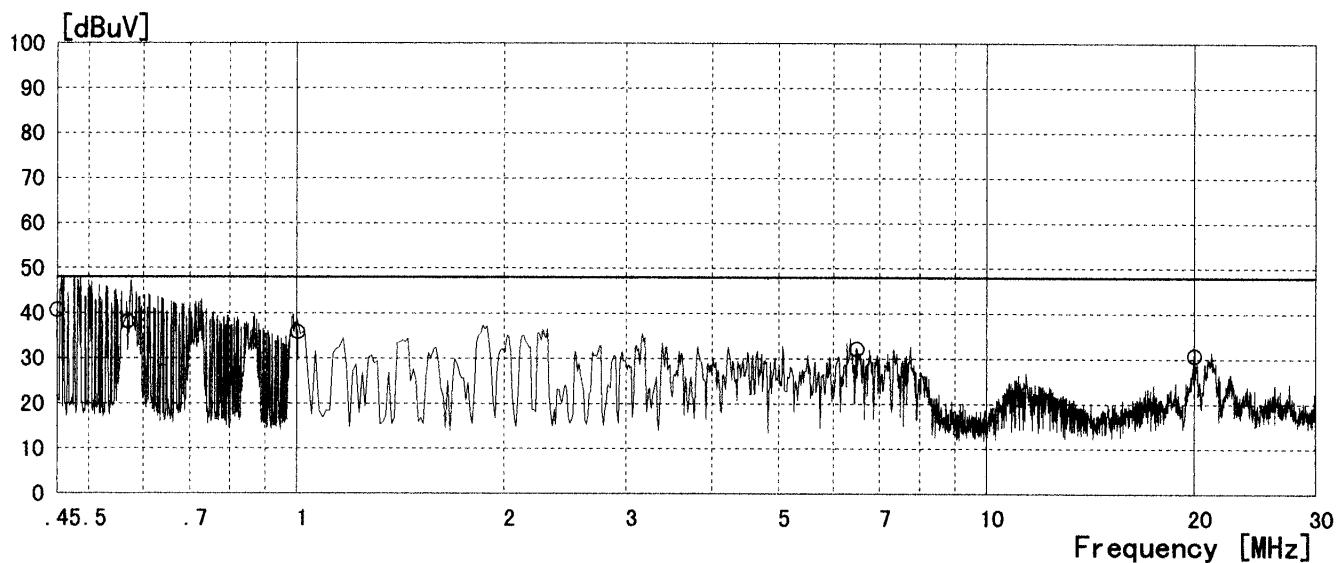
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 8

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	40.2	----	0.5	40.7	----	48.0	----	7.3	----
2	0.570	37.7	----	0.5	38.2	----	48.0	----	9.8	----
3	1.003	35.4	----	0.4	35.8	----	48.0	----	12.2	----
4	6.489	31.5	----	0.6	32.1	----	48.0	----	15.9	----
5	11.010	20.4	----	0.7	21.1	----	48.0	----	26.9	----
6	20.008	29.8	----	0.9	30.7	----	48.0	----	17.3	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

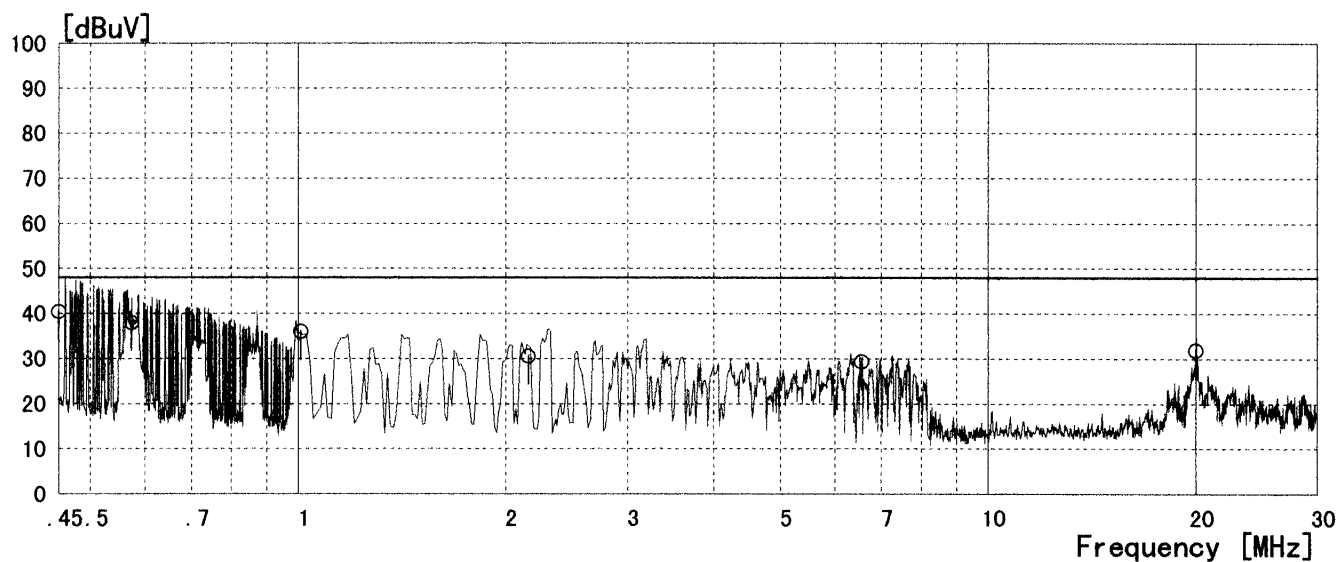
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 9

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	39.9	----	0.5	40.4	----	48.0	----	7.6	----
2	0.574	37.5	----	0.5	38.0	----	48.0	----	10.0	----
3	1.008	35.6	----	0.4	36.0	----	48.0	----	12.0	----
4	2.156	30.1	----	0.4	30.5	----	48.0	----	17.5	----
5	6.563	28.7	----	0.6	29.3	----	48.0	----	18.7	----
6	20.002	31.0	----	0.9	31.9	----	48.0	----	16.1	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

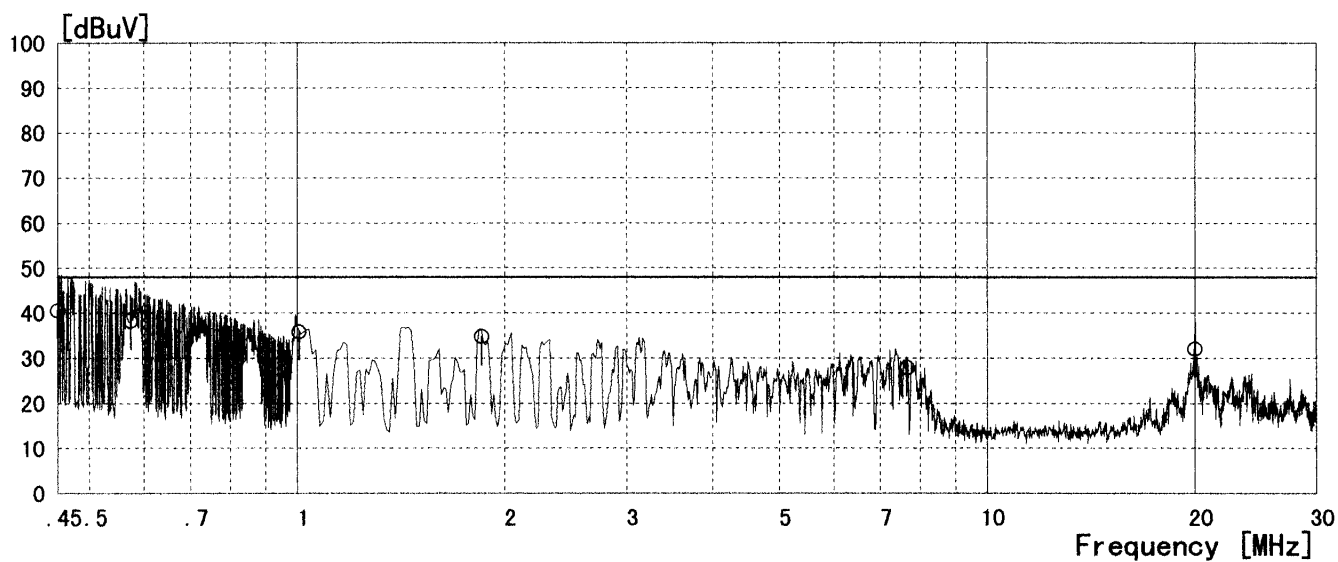
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE PLAYER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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	40.0	----	0.5	40.5	----	48.0	----	7.5	----
2	0.574	37.8	----	0.5	38.3	----	48.0	----	9.7	----
3	1.006	35.4	----	0.4	35.8	----	48.0	----	12.2	----
4	1.850	34.3	----	0.4	34.7	----	48.0	----	13.3	----
5	7.657	27.2	----	0.6	27.8	----	48.0	----	20.2	----
6	20.000	31.2	----	0.9	32.1	----	48.0	----	15.9	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

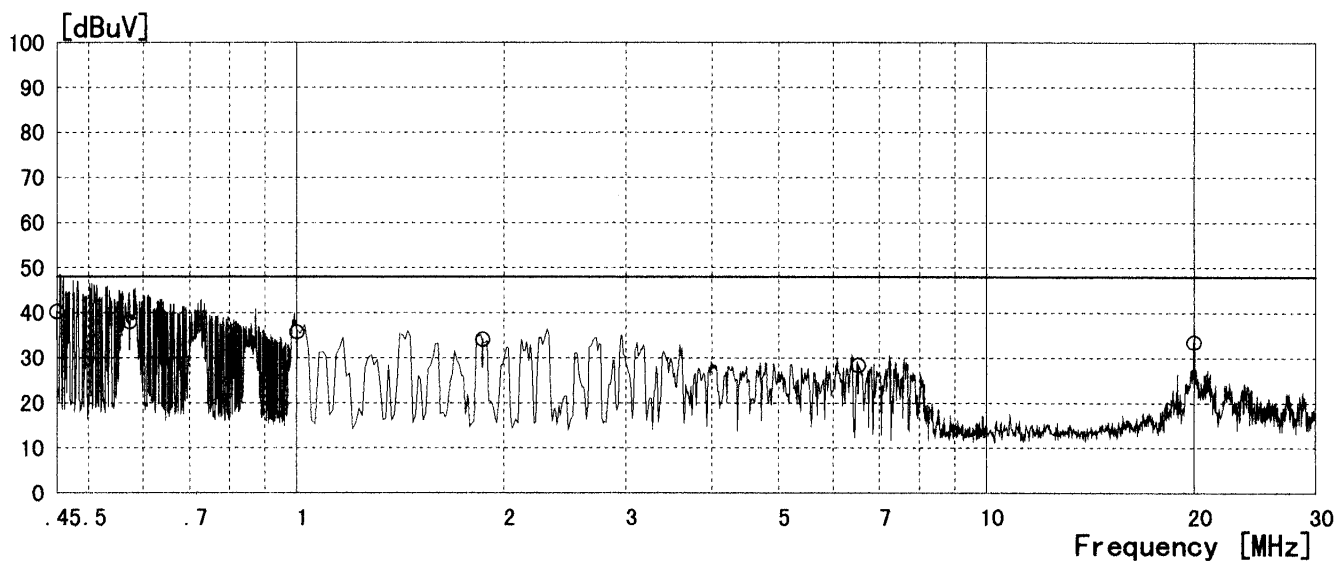
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT + REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 11

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	39.7	----	0.5	40.2	----	48.0	----	7.8	----
2	0.574	37.5	----	0.5	38.0	----	48.0	----	10.0	----
3	1.001	35.3	----	0.4	35.7	----	48.0	----	12.3	----
4	1.862	33.7	----	0.4	34.1	----	48.0	----	13.9	----
5	6.530	27.7	----	0.6	28.3	----	48.0	----	19.7	----
6	20.002	32.6	----	0.9	33.5	----	48.0	----	14.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

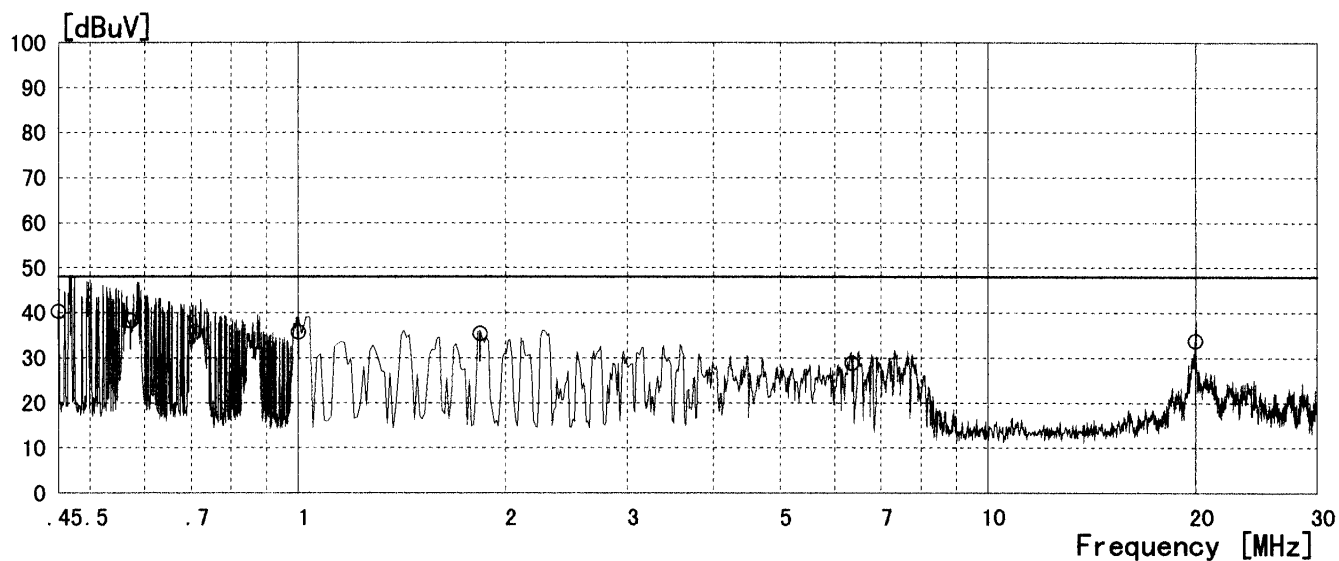
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : AV2 INPUT + REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 12

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	39.8	----	0.5	40.3	----	48.0	----	7.7	----
2	0.573	37.8	----	0.5	38.3	----	48.0	----	9.7	----
3	1.001	35.3	----	0.4	35.7	----	48.0	----	12.3	----
4	1.838	35.0	----	0.4	35.4	----	48.0	----	12.6	----
5	6.364	28.2	----	0.6	28.8	----	48.0	----	19.2	----
6	20.001	32.9	----	0.9	33.8	----	48.0	----	14.2	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

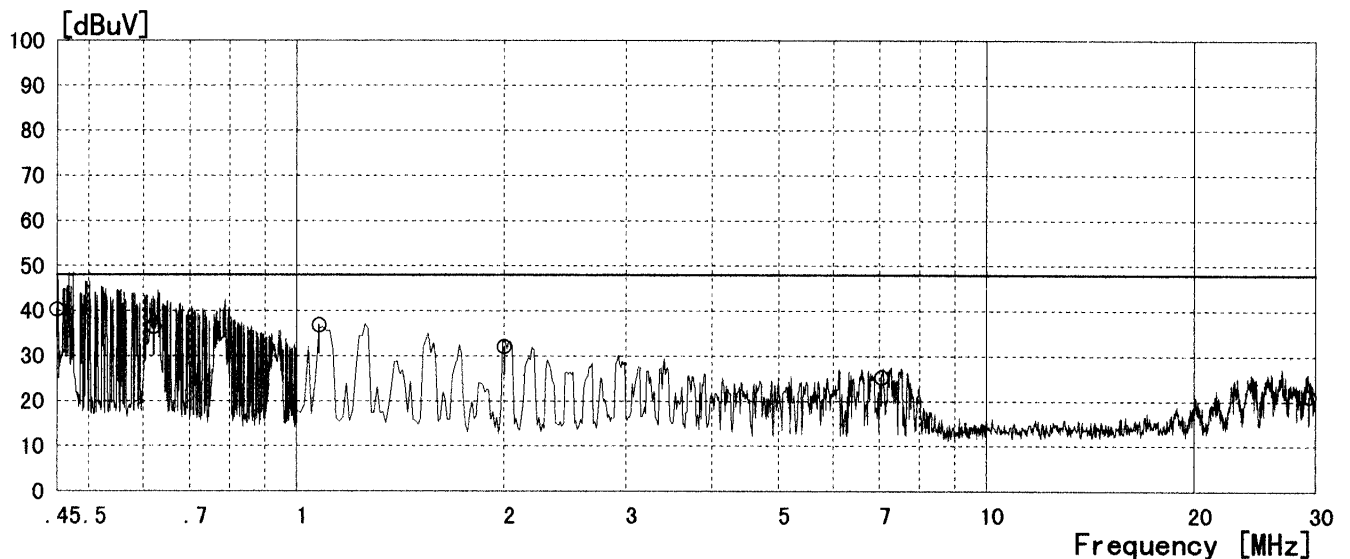
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : VCR PLAYBACK
POWER : AC120V/60Hz
LINE : N
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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	39.8	----	0.5	40.3	----	48.0	----	7.7	----
2	0.622	36.0	----	0.4	36.4	----	48.0	----	11.6	----
3	1.078	36.4	----	0.4	36.8	----	48.0	----	11.2	----
4	2.000	31.6	----	0.4	32.0	----	48.0	----	16.0	----
5	7.053	24.6	----	0.6	25.2	----	48.0	----	22.8	----
6	29.368	20.0	----	1.1	21.1	----	48.0	----	26.9	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

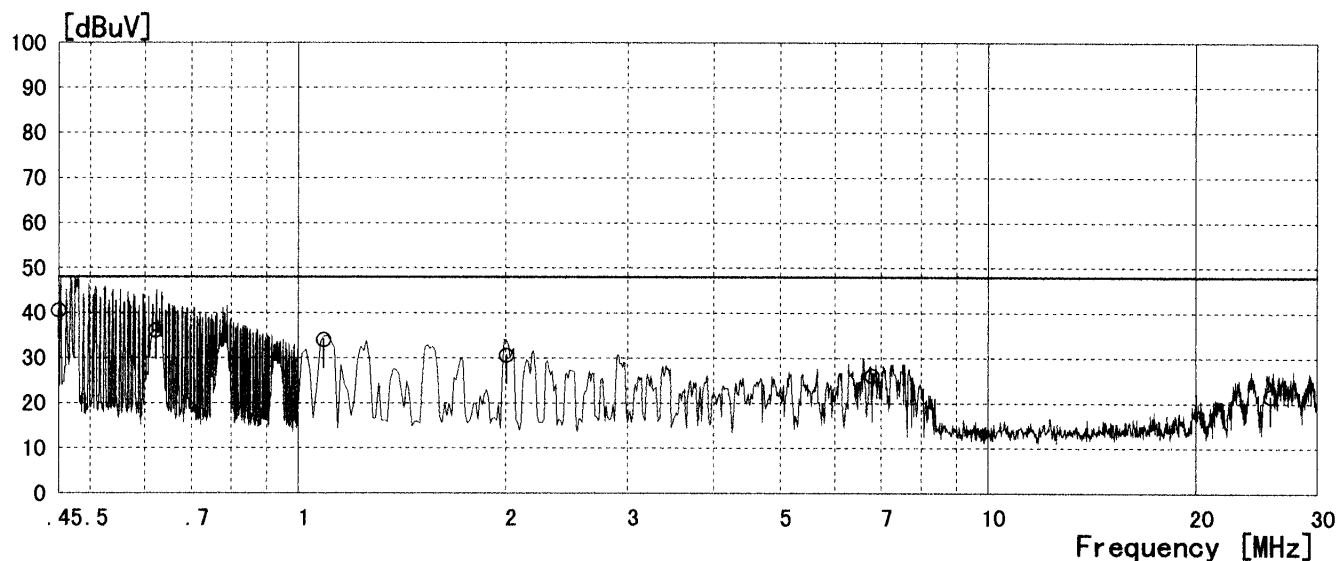
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : VCR PLAYBACK
POWER : AC120V/60Hz
LINE : L
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 14

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	40.0	----	0.5	40.5	----	48.0	----	7.5	----
2	0.622	35.6	----	0.4	36.0	----	48.0	----	12.0	----
3	1.088	33.6	----	0.4	34.0	----	48.0	----	14.0	----
4	2.006	30.1	----	0.4	30.5	----	48.0	----	17.5	----
5	6.794	25.4	----	0.6	26.0	----	48.0	----	22.0	----
6	25.688	20.5	----	1.0	21.5	----	48.0	----	26.5	----

RESULT=READING+CABLE LOSS+CLAMP FACTOR



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL No. : W525
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC

REPORT No. : 22HE0001-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : March 1, 2002


ENGINEER : Seigo Kakehi

VHF Fundamental

2	101	27.3	39.6	BC	10.3	2.2	29.7	16.1	28.4	43.5	27.4	15.1
3	107	31.5	35.1	BC	11.3	2.3	29.7	21.4	25.0	43.5	22.1	18.5
4	113	24.8	31.3	BC	12.2	2.3	29.7	15.6	22.1	43.5	27.9	21.4
5	123	23.8	31.4	BC	13.5	2.5	29.7	16.1	23.7	43.5	27.4	19.8
6	129	23.4	29.4	BC	13.7	2.5	29.7	15.9	21.9	43.5	27.6	21.6
7	221	22.1	22.5	BC	16.7	3.4	29.7	18.5	18.9	46.0	27.5	27.1
8	227	22.7	22.8	BC	16.7	3.4	29.7	19.1	19.2	46.0	26.9	26.8
9	233	22.8	24.0	BC	16.8	3.5	29.7	19.4	20.6	46.0	26.6	25.4
10	239	22.7	23.6	BC	16.8	3.5	29.7	19.3	20.2	46.0	26.7	25.8
11	245	24.1	24.2	BC	16.9	3.6	29.7	20.9	21.0	46.0	25.1	25.0
12	251	22.5	23.0	BC	16.9	3.6	29.7	19.3	19.8	46.0	26.7	26.2
13	257	23.8	24.7	BC	17.2	3.7	29.7	21.0	21.9	46.0	25.0	24.1

VHF 2nd Harmonic

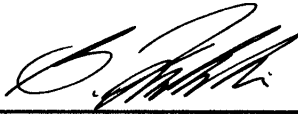
2	202	22.4	23.1	BC	16.5	3.2	29.7	18.4	19.1	43.5	25.1	24.4
3	214	23.1	21.9	BC	16.6	3.3	29.7	19.3	18.1	43.5	24.2	25.4
4	226	22.3	22.5	BC	16.7	3.4	29.7	18.7	18.9	46.0	27.3	27.1
5	246	22.5	22.6	BC	16.9	3.6	29.7	19.3	19.4	46.0	26.7	26.6
6	258	22.5	22.7	BC	17.3	3.7	29.7	19.8	20.0	46.0	26.2	26.0
7	442	22.9	22.9	LP	15.6	5.1	29.9	19.7	19.7	46.0	26.3	26.3
8	454	22.7	22.9	LP	15.9	5.2	29.9	19.9	20.1	46.0	26.1	25.9
9	466	22.9	22.6	LP	16.2	5.3	29.9	20.5	20.2	46.0	25.5	25.8
10	478	22.0	22.4	LP	16.6	5.3	29.9	20.0	20.4	46.0	26.0	25.6
11	490	22.4	22.8	LP	16.9	5.4	29.9	20.8	21.2	46.0	25.2	24.8
12	502	22.6	22.9	LP	17.2	5.5	29.9	21.4	21.7	46.0	24.6	24.3
13	514	22.6	22.4	LP	17.4	5.6	29.8	21.8	21.6	46.0	24.2	24.4

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL No. : W525
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC

REPORT No. : 22HE0001-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : March 1, 2002


ENGINEER : Seigo Kakehi

CATV Fundamental

1	119	24.5	33.0	BC	13.2	2.4	29.7	16.4	24.9	43.5	27.1	18.6
95	137	23.7	26.2	BC	14.0	2.6	29.7	16.6	19.1	43.5	26.9	24.4
97	149	23.2	25.6	BC	14.5	2.7	29.7	16.7	19.1	43.5	26.8	24.4
99	161	23.9	25.2	BC	14.9	2.8	29.7	17.9	19.2	43.5	25.6	24.3
14	167	23.1	24.1	BC	15.2	2.9	29.7	17.5	18.5	43.5	26.0	25.0
18	191	22.6	23.4	BC	16.1	3.1	29.6	18.2	19.0	43.5	25.3	24.5
22	215	23.5	22.9	BC	16.6	3.3	29.7	19.7	19.1	43.5	23.8	24.4
23	263	22.3	22.4	BC	17.5	3.7	29.7	19.8	19.9	46.0	26.2	26.1
29	299	21.3	22.0	BC	19.2	3.9	29.8	20.6	21.3	46.0	25.4	24.7
36	341	23.0	22.8	LP	14.2	4.2	29.8	17.6	17.4	46.0	28.4	28.6
37	347	23.6	22.9	LP	14.2	4.3	29.8	18.3	17.6	46.0	27.7	28.4
65	515	23.6	28.9	LP	17.4	5.6	29.8	22.8	28.1	46.0	23.2	17.9
94	689	22.4	22.6	LP	20.4	6.8	29.9	25.7	25.9	46.0	20.3	20.1
100	695	24.8	25.5	LP	20.5	6.8	29.9	28.2	28.9	46.0	17.8	17.1
113	773	27.4	27.3	LP	20.7	7.3	29.7	31.7	31.6	46.0	14.3	14.4
125	845	23.9	27.0	LP	21.2	7.6	29.4	29.3	32.4	46.0	16.7	13.6

CATV 2nd Harmonic

1	238	22.6	23.5	BC	16.8	3.5	29.7	19.2	20.1	46.0	26.8	25.9
95	274	21.5	21.5	BC	18.0	3.8	29.7	19.6	19.6	46.0	26.4	26.4
97	298	21.9	21.9	BC	19.1	3.9	29.8	21.1	21.1	46.0	24.9	24.9
99	322	22.2	22.0	LP	14.1	4.1	29.8	16.6	16.4	46.0	29.4	29.6
14	334	22.9	22.8	LP	14.1	4.2	29.8	17.4	17.3	46.0	28.6	28.7
18	382	22.5	22.2	LP	14.3	4.6	29.9	17.5	17.2	46.0	28.5	28.8
22	430	22.4	23.0	LP	15.2	5.0	29.9	18.7	19.3	46.0	27.3	26.7
23	526	22.6	22.9	LP	17.6	5.6	29.8	22.0	22.3	46.0	24.0	23.7
29	598	22.5	22.8	LP	18.8	6.3	29.9	23.7	24.0	46.0	22.3	22.0
36	682	22.5	23.0	LP	20.3	6.7	29.9	25.6	26.1	46.0	20.4	19.9
37	694	22.4	22.6	LP	20.5	6.8	29.9	25.8	26.0	46.0	20.2	20.0
65	1030	34.7	35.0	HO	25.2	1.4	38.7	22.6	22.9	54.0	31.4	31.1
94	1378	43.5	44.0	HO	26.4	1.8	38.3	33.4	33.9	54.0	20.6	20.1
100	1390	44.5	44.1	HO	26.4	1.8	38.3	34.4	34.0	54.0	19.6	20.0
113	1546	45.8	45.6	HO	27.1	2.0	38.1	36.8	36.6	54.0	17.2	17.4
125	1690	37.8	40.7	HO	28.2	2.1	38.0	30.1	33.0	54.0	23.9	21.0

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.2 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL No. : W525
POWER : AC120V/60Hz
DESCRIPTION : TV RECEPTION+REC

REPORT No. : 22HE0001-KT-1
REGULATION : FCC PART15 B
TEST DISTANCE : 3m
ATTENUATION : 101-847MHz 6dB
1030-1694MHz 0dB
DATE : March 1, 2002


ENGINEER : Seigo Kakehi

UHF Fundamental

14	517	23.7	27.6	LP	17.5	5.6	29.8	23.0	26.9	46.0	23.0	19.1
19	547	23.9	27.0	LP	18.0	5.8	29.9	23.8	26.9	46.0	22.2	19.1
28	601	24.3	26.5	LP	18.8	6.3	29.9	25.5	27.7	46.0	20.5	18.3
36	649	25.4	28.7	LP	19.7	6.5	29.9	27.7	31.0	46.0	18.3	15.0
44	697	25.5	28.4	LP	20.5	6.8	29.9	28.9	31.8	46.0	17.1	14.2
53	751	30.2	31.1	LP	20.7	7.1	29.7	34.3	35.2	46.0	11.7	10.8
61	799	26.0	26.1	LP	20.8	7.4	29.5	30.7	30.8	46.0	15.3	15.2
69	847	23.6	25.5	LP	21.2	7.6	29.4	29.0	30.9	46.0	17.0	15.1

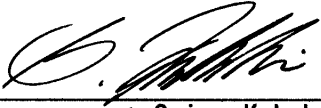
UHF 2nd Harmonic

14	1034	36.2	36.4	HO	25.2	1.4	38.7	24.1	24.3	54.0	30.0	29.7
19	1094	36.2	36.6	HO	25.4	1.5	38.6	24.5	24.9	54.0	29.5	29.1
28	1202	38.6	41.7	HO	25.8	1.6	38.5	27.5	30.6	54.0	26.5	23.4
36	1298	39.6	40.1	HO	26.1	1.7	38.4	29.0	29.5	54.0	25.0	24.5
44	1394	44.0	44.4	HO	26.4	1.8	38.3	33.9	34.3	54.0	20.1	19.7
53	1502	46.1	46.0	HO	26.8	1.9	38.1	36.7	36.6	54.0	17.3	17.4
61	1598	41.0	43.1	HO	27.5	2.0	38.1	32.4	34.5	54.0	21.6	19.5
69	1694	39.0	40.8	HO	28.2	2.1	38.0	31.3	33.1	54.0	22.7	20.9

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : TV RECEPTION+REC (25dBmV)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B



Engineer : Seigo Kakehi

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.	41.16	BB	26.3	38.6	14.3	29.8	1.4	6.0	18.2	30.5	40.0	21.8	9.5
2.	70.38	BB	35.6	45.6	6.3	29.8	1.8	5.9	19.8	29.8	40.0	20.2	10.2
3.	80.94	BB	35.7	42.3	6.5	29.8	2.0	5.9	20.3	26.9	40.0	19.7	13.1
4.	114.54	BB	33.8	36.0	12.5	29.7	2.4	5.9	24.9	27.1	43.5	18.6	16.4
5.	171.82	BB	25.2	26.7	15.4	29.7	2.9	5.9	19.7	21.2	43.5	23.8	22.3
6.	257.73	BB	24.6	25.3	17.3	29.7	3.7	5.8	21.7	22.4	46.0	24.3	23.6
7.	343.66	BB	23.5	26.2	14.2	29.8	4.3	5.8	18.0	20.7	46.0	28.0	25.3

CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

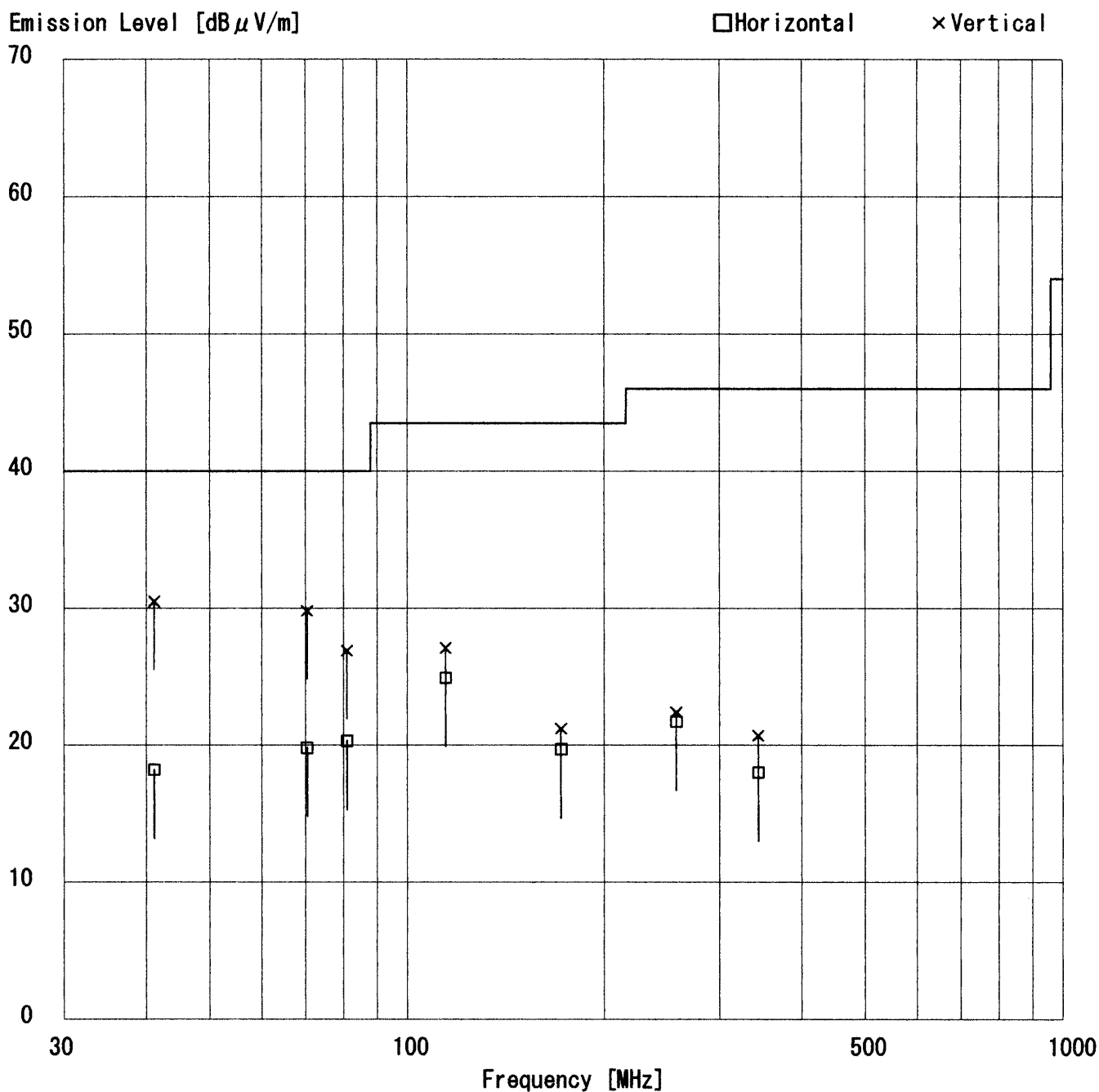
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : TV RECEPTION+REC (25dBmV)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : VIDEO IN (Rear) + REC (5Vp-p)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi

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.	39.61	BB	26.4	38.5	14.8	29.8	1.4	6.0	18.8	30.9	40.0	21.2	9.1
2.	71.91	BB	38.3	44.3	6.3	29.8	1.9	5.9	22.6	28.6	40.0	17.4	11.4
3.	81.28	BB	39.2	42.9	6.6	29.8	2.0	5.9	23.9	27.6	40.0	16.1	12.4
4.	114.55	BB	34.3	34.8	12.5	29.7	2.4	5.9	25.4	25.9	43.5	18.1	17.6
5.	171.83	BB	25.9	26.9	15.4	29.7	2.9	5.9	20.4	21.4	43.5	23.1	22.1
6.	257.74	BB	24.9	26.0	17.3	29.7	3.7	5.8	22.0	23.1	46.0	24.0	22.9
7.	343.62	BB	23.3	26.0	14.2	29.8	4.3	5.8	17.8	20.5	46.0	28.2	25.5

CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

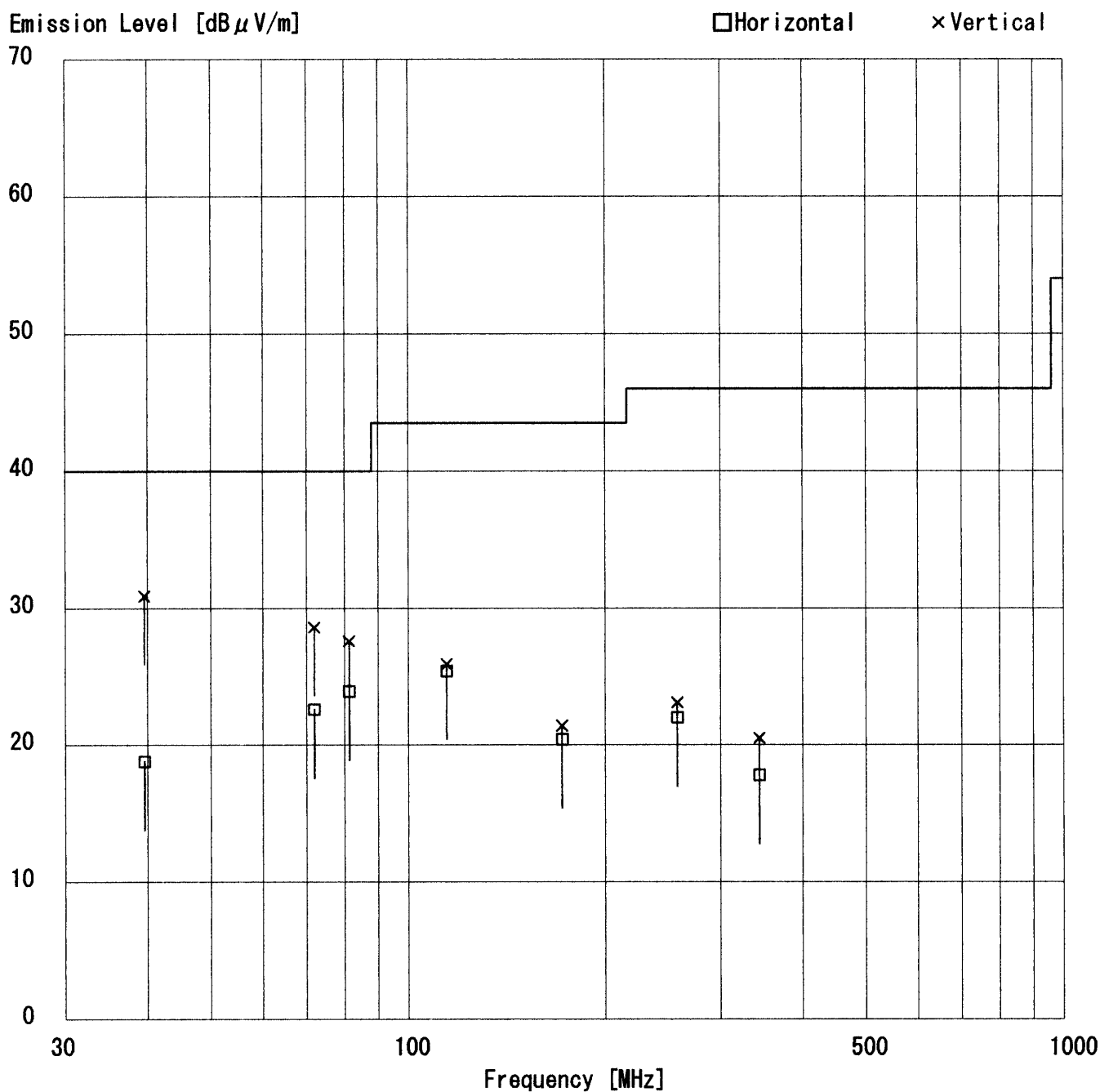
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : VIDEO IN (Rear) + REC (5Vp-p)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : PLAYBACK
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi

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.	40.43	BB	25.5	38.4	14.5	29.8	1.4	6.0	17.6	30.5	40.0	22.4	9.5
2.	71.05	BB	38.8	44.0	6.3	29.8	1.8	5.9	23.0	28.2	40.0	17.0	11.8
3.	83.61	BB	41.6	44.6	6.9	29.8	2.0	5.9	26.6	29.6	40.0	13.4	10.4
4.	114.54	BB	29.2	33.1	12.5	29.7	2.4	5.9	20.3	24.2	43.5	23.2	19.3
5.	171.83	BB	25.6	27.8	15.4	29.7	2.9	5.9	20.1	22.3	43.5	23.4	21.2
6.	257.73	BB	24.6	25.3	17.3	29.7	3.7	5.8	21.7	22.4	46.0	24.3	23.6
7.	343.65	BB	23.7	26.5	14.2	29.8	4.3	5.8	18.2	21.0	46.0	27.8	25.0

CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

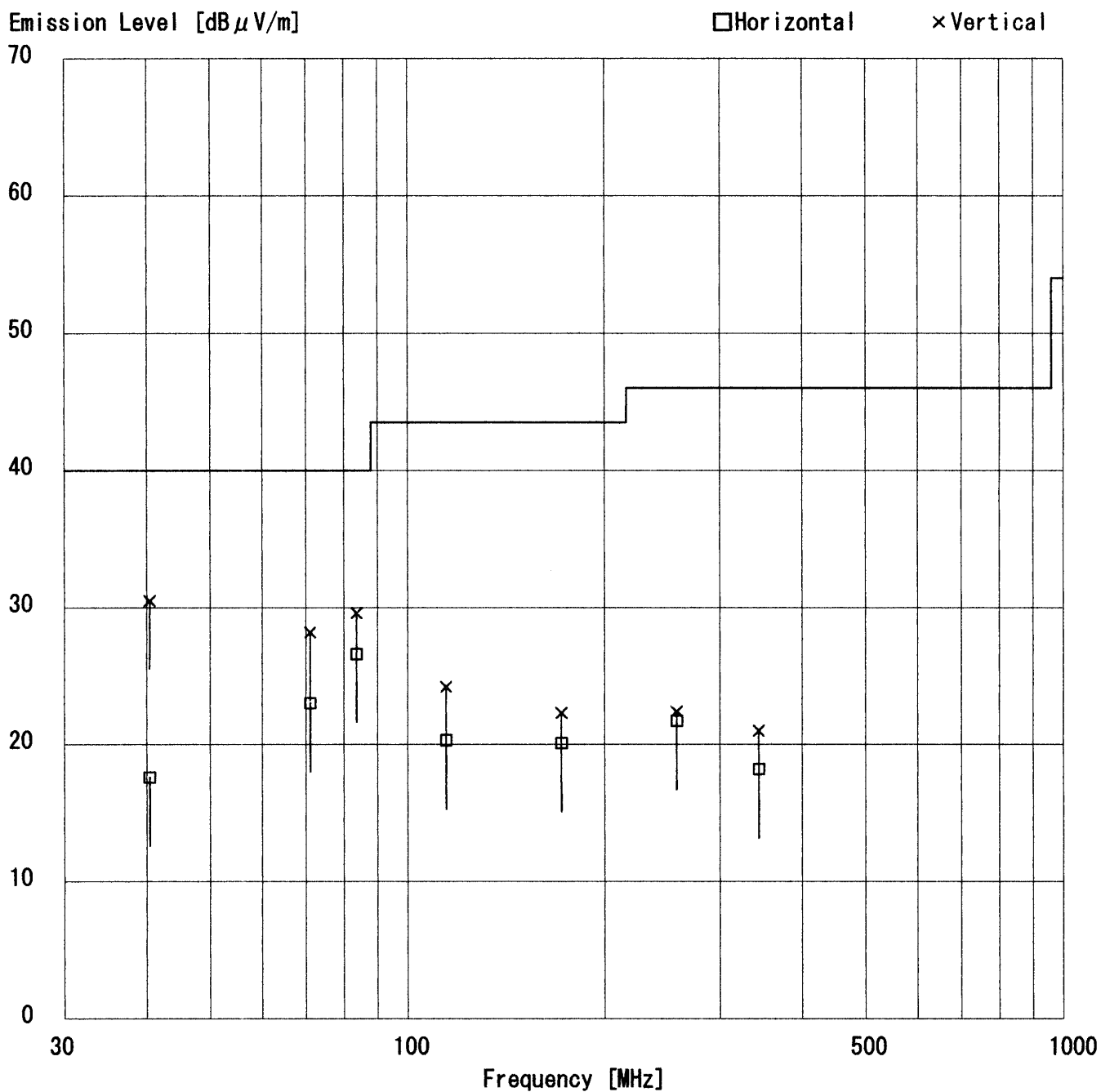
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : PLAYBACK
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : VIDEO IN(Front)+REC(5Vp-p)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B



Engineer : Seigo Kakehi

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.	40.77	BB	25.7	38.2	14.4	29.8	1.4	6.0	17.7	30.2	40.0	22.3	9.8
2.	72.30	BB	39.1	40.4	6.3	29.8	1.9	5.9	23.4	24.7	40.0	16.6	15.3
3.	81.61	BB	35.6	48.9	6.6	29.8	2.0	5.9	20.3	33.6	40.0	19.7	6.4
4.	114.55	BB	27.8	34.5	12.5	29.7	2.4	5.9	18.9	25.6	43.5	24.6	17.9
5.	171.83	BB	26.0	26.3	15.4	29.7	2.9	5.9	20.5	20.8	43.5	23.0	22.7
6.	257.74	BB	25.6	25.1	17.3	29.7	3.7	5.8	22.7	22.2	46.0	23.3	23.8
7.	343.62	BB	23.8	26.0	14.2	29.8	4.3	5.8	18.3	20.5	46.0	27.7	25.5

CALCULATION: READING[dB μ V] + ANT. FACTOR[dB/m] + CABLE LOSS[dB] - AMP. GAIN[dB] + ATTEN[dB].

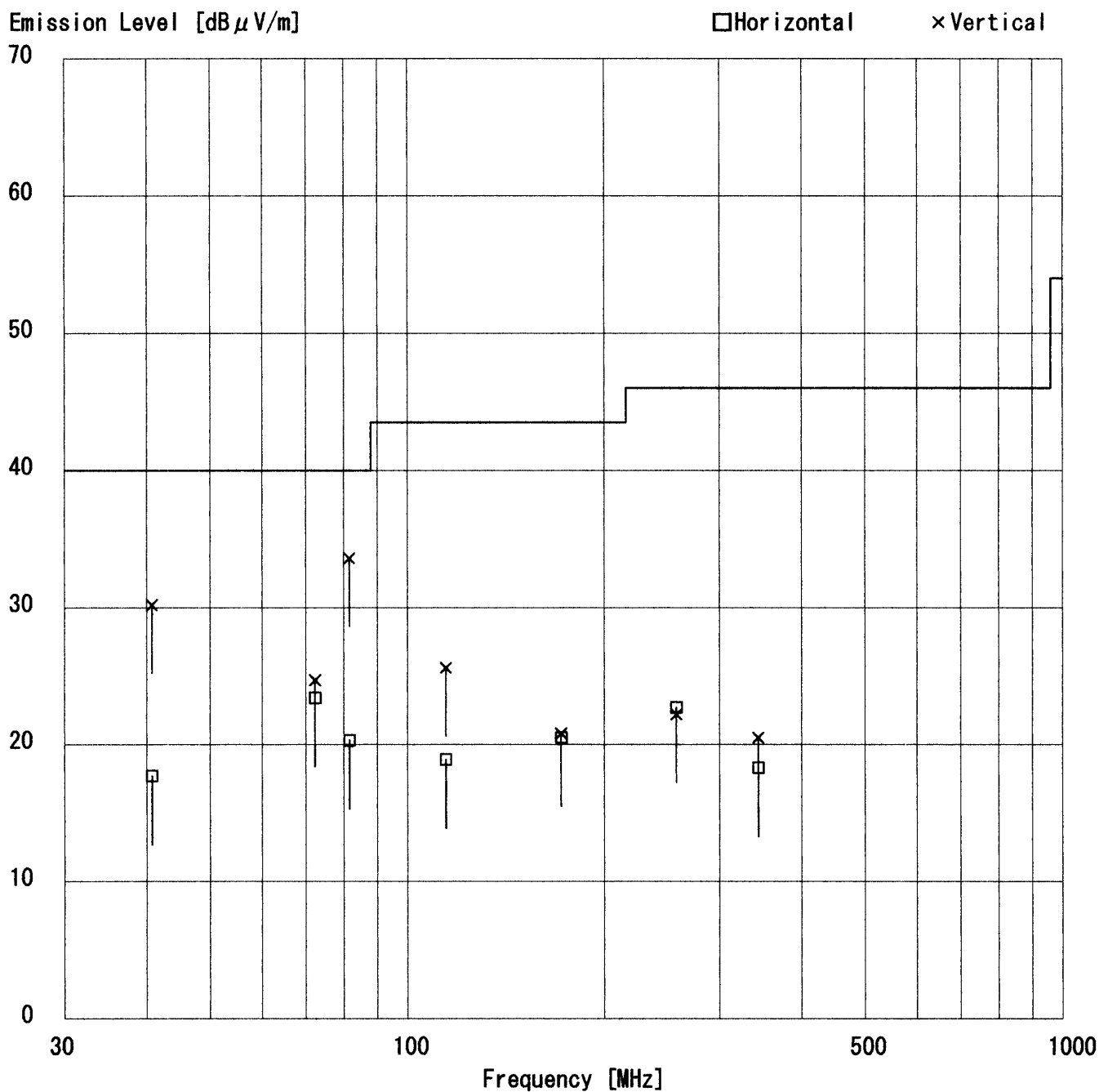
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : VIDEO IN(Front)+REC(5Vp-p)
Remarks : OTHER
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #3
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi

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	28.2	35.1	7.4	29.8	1.7	5.9	13.4	20.3	40.0	26.6	19.7
2.	65.75	BB	32.6	39.9	6.8	29.8	1.8	5.8	17.2	24.5	40.0	22.8	15.5
3.	122.50	BB	24.1	27.7	13.5	29.7	2.5	5.9	16.3	19.9	43.5	27.2	23.6
4.	245.00	BB	28.9	27.8	16.9	29.7	3.6	5.8	25.5	24.4	46.0	20.5	21.6

CALCULATION: $\text{READING}[\text{dB } \mu \text{V}] + \text{ANT. FACTOR}[\text{dB/m}] + \text{CABLE LOSS}[\text{dB}] - \text{AMP. GAIN}[\text{dB}] + \text{ATTEN}[\text{dB}]$.

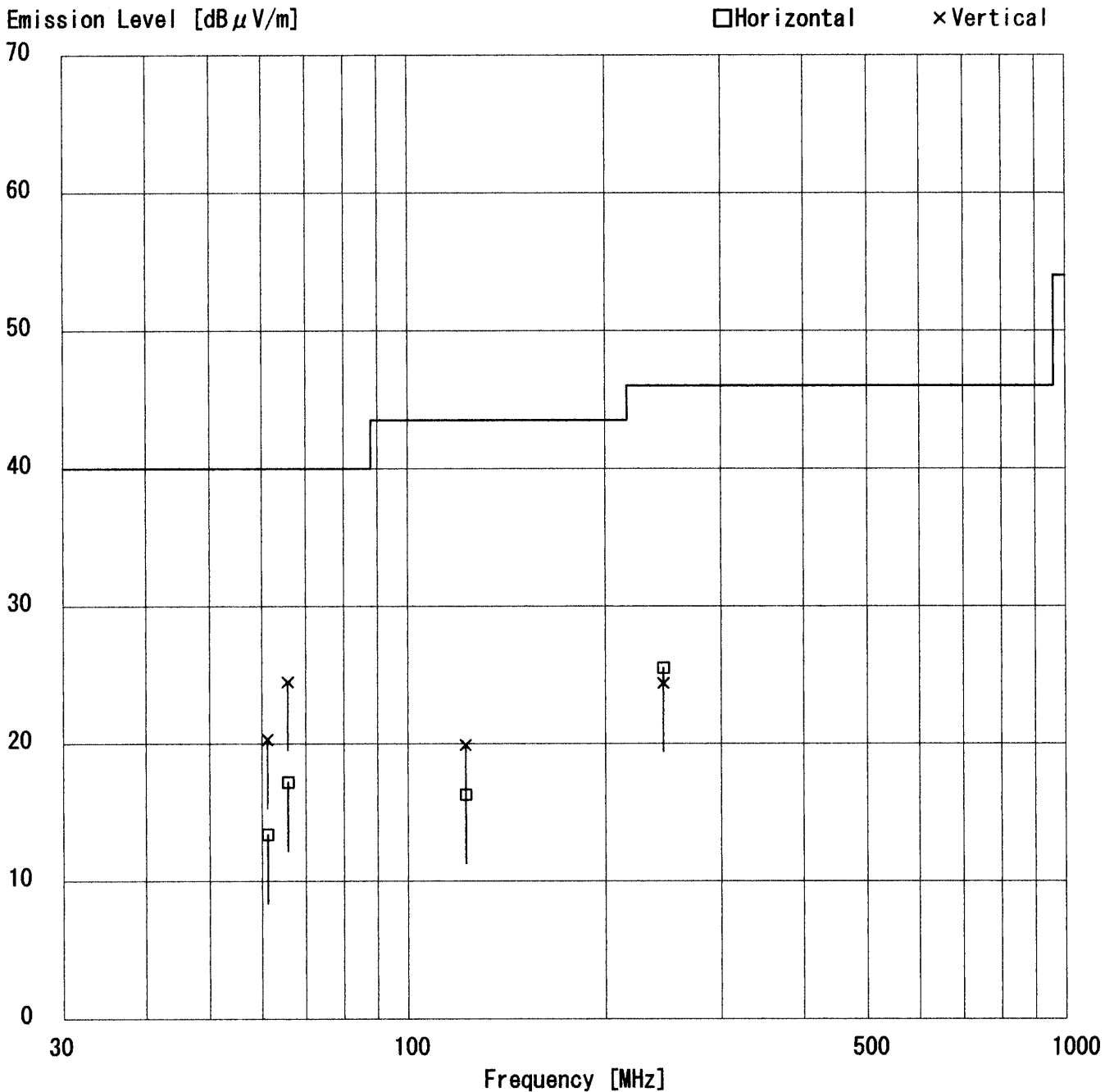
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #3
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B

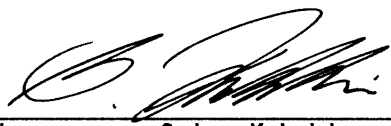

Engineer : Seigo Kakehi



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #4
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi

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	33.9	35.1	6.6	29.8	1.8	5.8	18.3	19.5	40.0	21.7	20.5
2.	71.75	BB	39.1	38.1	6.3	29.8	1.9	5.9	23.4	22.4	40.0	16.6	17.6
3.	134.50	BB	24.4	26.4	13.9	29.7	2.6	5.8	17.0	19.0	43.5	26.5	24.5
4.	201.75	BB	23.9	22.8	16.5	29.7	3.2	5.8	19.7	18.6	43.5	23.8	24.9

CALCULATION: $\text{READING}[\text{dB } \mu \text{ V}] + \text{ANT. FACTOR}[\text{dB/m}] + \text{CABLE LOSS}[\text{dB}] - \text{AMP. GAIN}[\text{dB}] + \text{ATTEN}[\text{dB}]$.

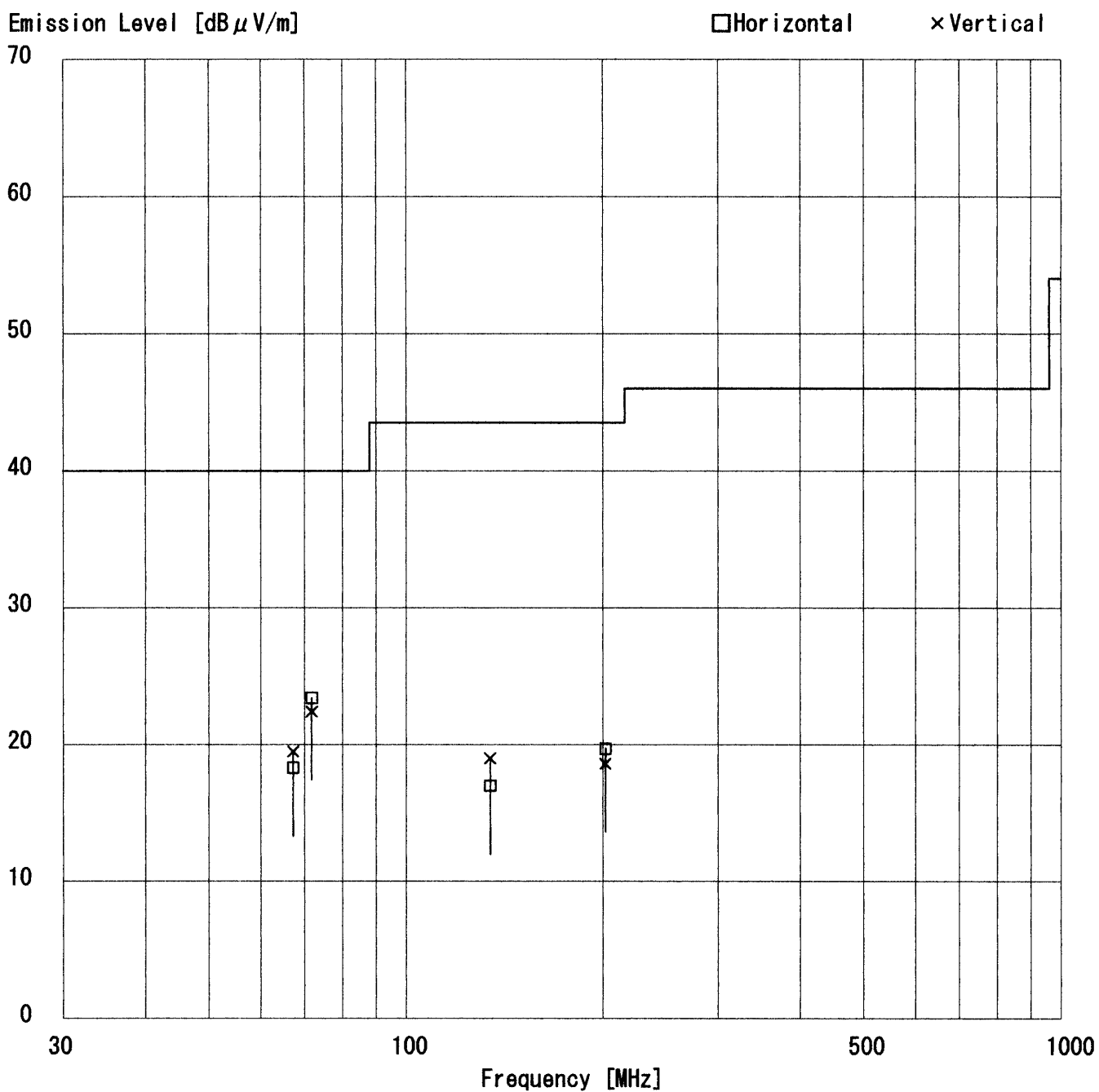
Except for the above table : adequate margin data below the limits
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.2 OPEN TEST SITE
Report No. : 22HE0001-KT-1

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video Cassette Recorder
Model No. : W525
Serial No. :
Power : AC120V/60Hz
Mode : MAXIMUM OPERATION
Remarks : TEST CHANNEL #4
Date : 3/1/2002
Test Distance : 3 m
Temperature : 21 °C
Humidity : 43 %
Regulation : FCC Part15B CLASS B


Engineer : Seigo Kakehi



DATA OF ANTENNA TERMINAL TEST

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

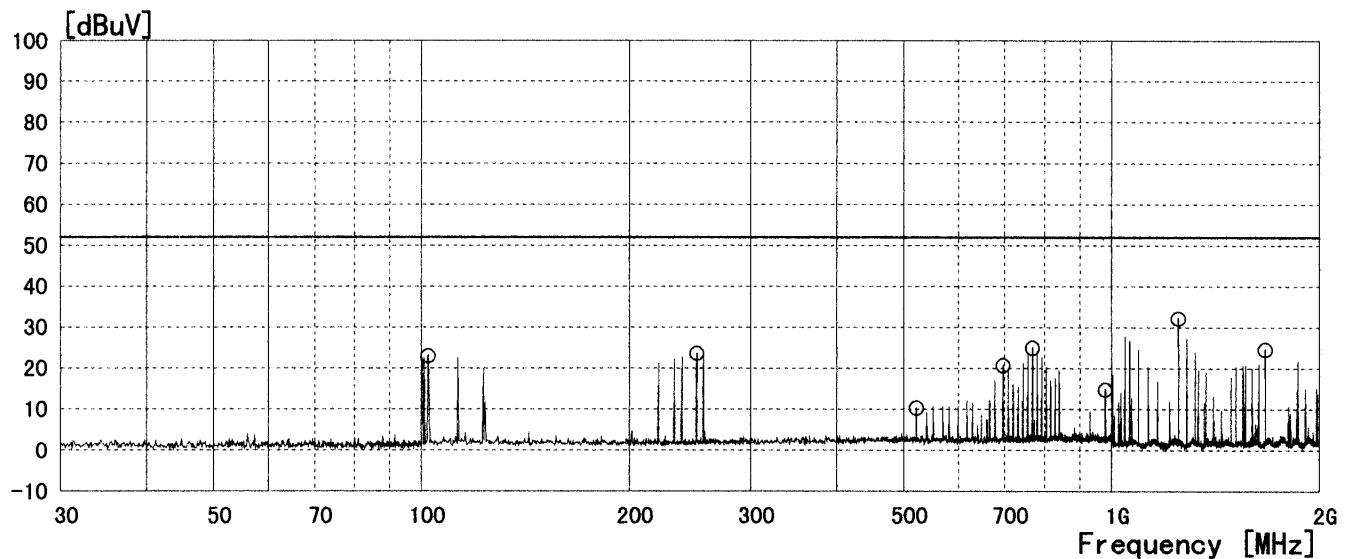
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: TUNING
PORT : ANTENNA TERMINAL
POWER : AC120V/60Hz
REMARKS : TV MODE

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 1

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	102.300	44.1	----	-21.2	22.9	----	52.0	----	29.1	----
2	250.900	44.7	----	-21.1	23.6	----	52.0	----	28.4	----
3	522.300	31.1	----	-20.8	10.2	----	52.0	----	41.8	----
4	696.600	41.8	----	-21.1	20.7	----	52.0	----	31.3	----
5	768.600	45.7	----	-20.8	24.9	----	52.0	----	27.1	----
6	979.900	34.7	----	-19.9	14.8	----	52.0	----	37.2	----
7	1250.000	61.2	----	-29.0	32.2	----	52.0	----	19.8	----
8	1669.300	52.8	----	-28.3	24.5	----	52.0	----	27.5	----

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



DATA OF ANTENNA TERMINAL TEST

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

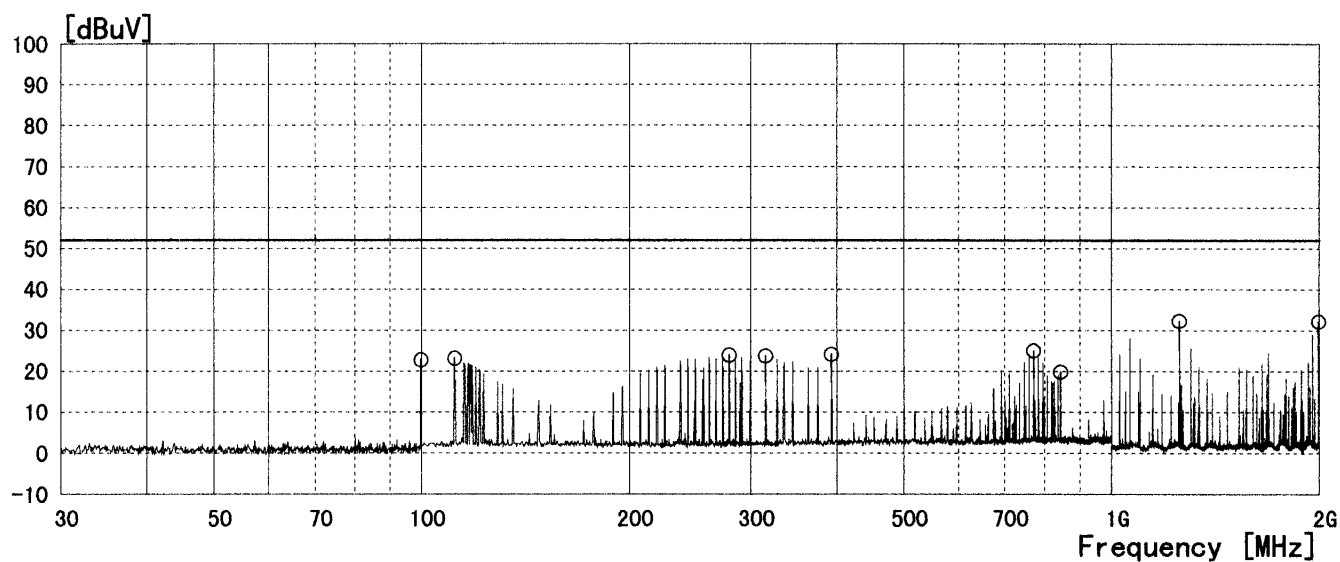
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : TUNING
PORT : ANTENNA TERMINAL
POWER : AC120V/60Hz
REMARKS : CATV MODE
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 2

(Signature)
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	99.800	43.9	----	-21.2	22.7	----	52.0	----	29.3	----
2	111.700	44.3	----	-21.2	23.1	----	52.0	----	28.9	----
3	279.400	45.0	----	-21.1	23.9	----	52.0	----	28.1	----
4	315.400	44.8	----	-21.1	23.7	----	52.0	----	28.3	----
5	393.100	45.1	----	-20.9	24.1	----	52.0	----	27.9	----
6	771.600	45.7	----	-20.7	25.0	----	52.0	----	27.0	----
	843.600	40.2	----	-20.4	19.8	----	52.0	----	32.2	----
8	1255.000	61.3	----	-29.0	32.2	----	52.0	----	19.8	----
9	1997.900	60.2	----	-28.1	32.1	----	52.0	----	19.9	----

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



RF output level

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

Company	: ORION ELECTRIC CO.,LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: Receive + Rec. mode (0 dBmV)		

Engineer


 : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	82.7	20.4	62.3	69.5	7.2
4	67.25	83.9	20.4	63.5	69.5	6.0

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	71.6	20.4	51.2	56.5	5.3
4	62.75	72.8	20.4	52.4	56.5	4.1
	71.75	71.5	20.4	51.1	56.5	5.4

RESULTS = READING – CORRECTION FACTOR
(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: Receive + Rec. mode (25 dBmV)		



 Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	84.6	20.4	64.2	69.5	5.3
4	67.25	84.2	20.4	63.8	69.5	5.7

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.7	20.4	52.3	56.5	4.2
	65.75	71.5	20.4	51.1	56.5	5.4
4	62.75	72.2	20.4	51.8	56.5	4.7
	71.75	71.0	20.4	50.6	56.5	5.9

RESULTS = READING – CORRECTION FACTOR

(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: AV1 Input + Rec. mode (1 Vp-p)		



 Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	83.1	20.4	62.7	69.5	6.8
4	67.25	82.8	20.4	62.4	69.5	7.1

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.7	20.4	52.3	56.5	4.2
	65.75	71.6	20.4	51.2	56.5	5.3
4	62.75	72.5	20.4	52.1	56.5	4.4
	71.75	71.4	20.4	51.0	56.5	5.5

RESULTS = READING – CORRECTION FACTOR
(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: AV1 Input + Rec. mode (5 Vp-p)		



 Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	82.1	20.4	61.7	69.5	7.8
4	67.25	83.8	20.4	63.4	69.5	6.1

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	70.5	20.4	50.1	56.5	6.4
4	62.75	72.5	20.4	52.1	56.5	4.4
	71.75	71.3	20.4	50.9	56.5	5.6

RESULTS = READING – CORRECTION FACTOR
 (CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: AV2 Input + Rec. mode (1 Vp-p)		

Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	82.7	20.4	62.3	69.5	7.2
4	67.25	83.5	20.4	63.1	69.5	6.4

Audio signal

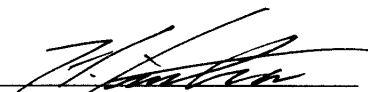
Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.6	20.4	52.2	56.5	4.3
	65.75	71.7	20.4	51.3	56.5	5.2
4	62.75	72.8	20.4	52.4	56.5	4.1
	71.75	71.6	20.4	51.2	56.5	5.3

RESULTS = READING – CORRECTION FACTOR
(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: AV2 Input + Rec. mode (5 Vp-p)		



 Engineer : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	84.5	20.4	64.1	69.5	5.4
4	67.25	84.4	20.4	64.0	69.5	5.5

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.9	20.4	52.5	56.5	4.0
	65.75	71.8	20.4	51.4	56.5	5.1
4	62.75	72.7	20.4	52.3	56.5	4.2
	71.75	71.5	20.4	51.1	56.5	5.4

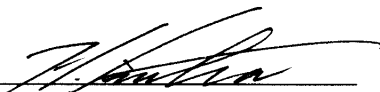
RESULTS = READING – CORRECTION FACTOR
(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

RF output level

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

Company	: ORION ELECTRIC CO., LTD.	Report Number	: 22HE0001-KT-1
Equipment	: VIDEO CASSETTE RECORDER	Regulation	: FCC Part 15 Subpart B
Model number	: W525	Date	: March 04, 2002
Power	: AC 120 V / 60 Hz		
Description	: VCR playback mode		

Engineer


 : Hisayuki Kioka

Video signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	61.25	82.9	20.4	62.5	69.5	7.0
4	67.25	82.4	20.4	62.0	69.5	7.5

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	72.7	20.4	52.3	56.5	4.2
	65.75	71.6	20.4	51.2	56.5	5.3
4	62.75	72.5	20.4	52.1	56.5	4.4
	71.75	71.3	20.4	50.9	56.5	5.6

RESULTS = READING – CORRECTION FACTOR

(CORRECTION FACTOR = AMPLIFIER GAIN – CABLE LOSS – PAD LOSS)

SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

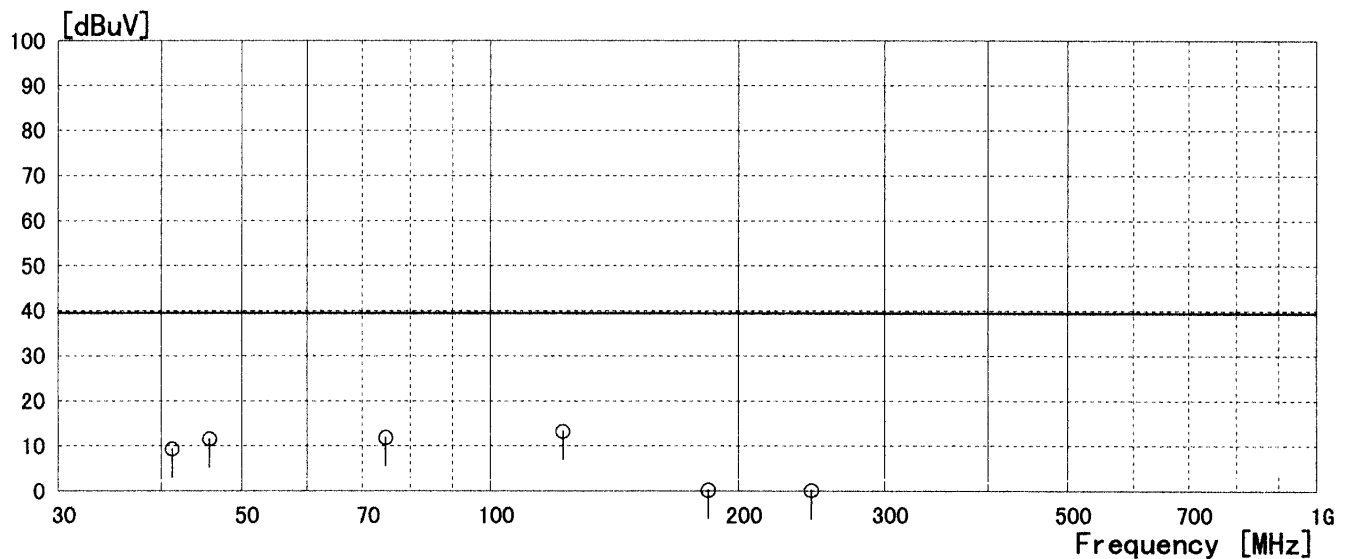
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: RECEIVE+REC (3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 0dBmV

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 1

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	41.249	30.9	----	-21.6	9.3	----	39.5	----	30.2	----
2	45.751	33.1	----	-21.6	11.5	----	39.5	----	28.0	----
3	74.749	33.3	----	-21.5	11.8	----	39.5	----	27.7	----
4	122.500	34.6	----	-21.4	13.2	----	39.5	----	26.3	----
5	183.750	21.5	----	-21.4	0.1	----	39.5	----	39.4	----
6	245.000	21.5	----	-21.4	0.1	----	39.5	----	39.4	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

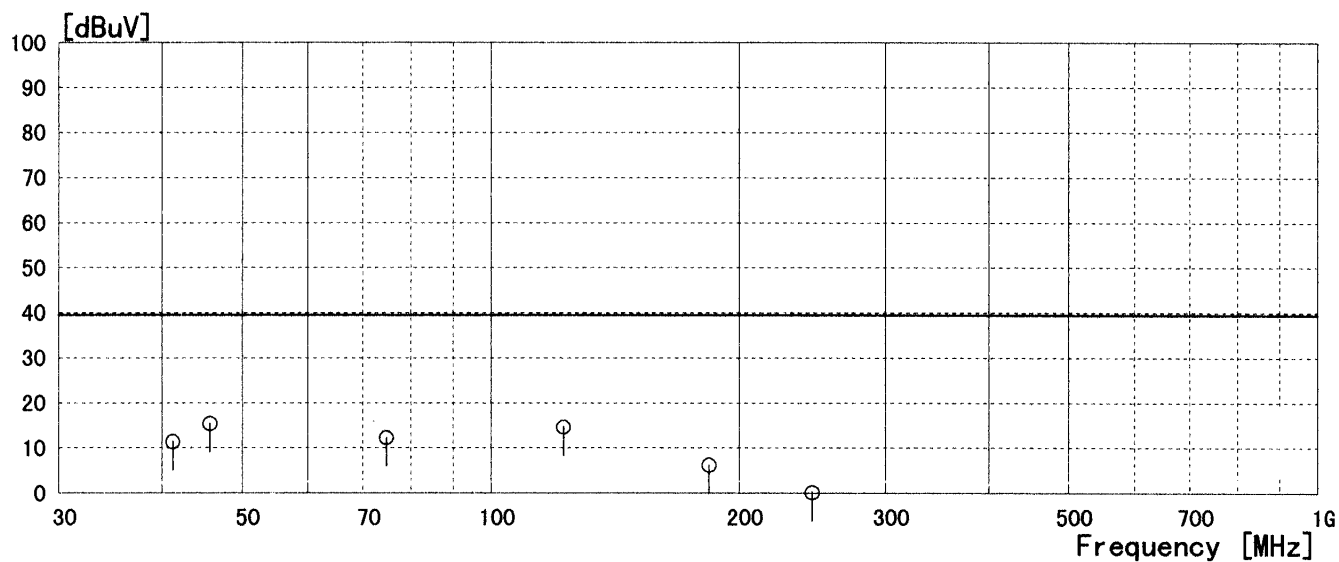
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: RECEIVE+REC (3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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	41.242	33.0	----	-21.6	11.3	----	39.5	----	28.2	----
2	45.750	37.0	----	-21.6	15.4	----	39.5	----	24.1	----
3	74.750	33.7	----	-21.5	12.2	----	39.5	----	27.3	----
4	122.500	36.0	----	-21.4	14.6	----	39.5	----	24.9	----
5	183.750	27.6	----	-21.4	6.1	----	39.5	----	33.4	----
6	245.000	21.5	----	-21.4	0.1	----	39.5	----	39.4	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

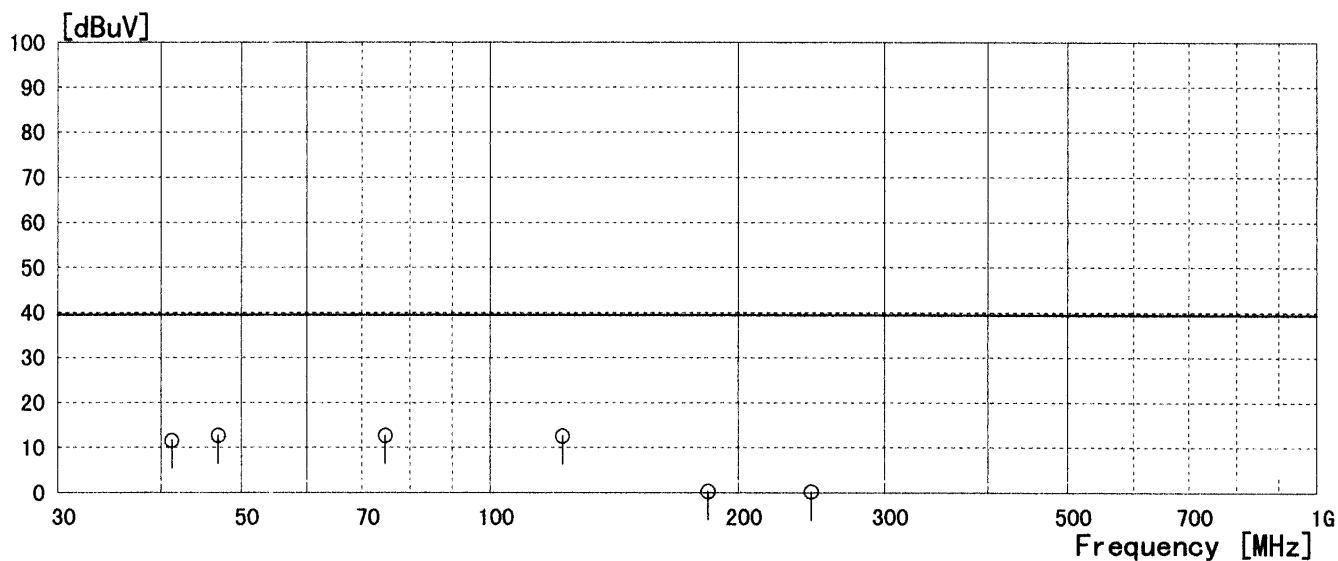
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 3

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	41.243	33.2	----	-21.6	11.5	----	39.5	----	28.0	----
2	46.937	34.2	----	-21.6	12.6	----	39.5	----	26.9	----
3	74.749	34.1	----	-21.5	12.6	----	39.5	----	26.9	----
4	122.500	33.9	----	-21.4	12.5	----	39.5	----	27.0	----
5	183.750	21.6	----	-21.4	0.2	----	39.5	----	39.3	----
6	245.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

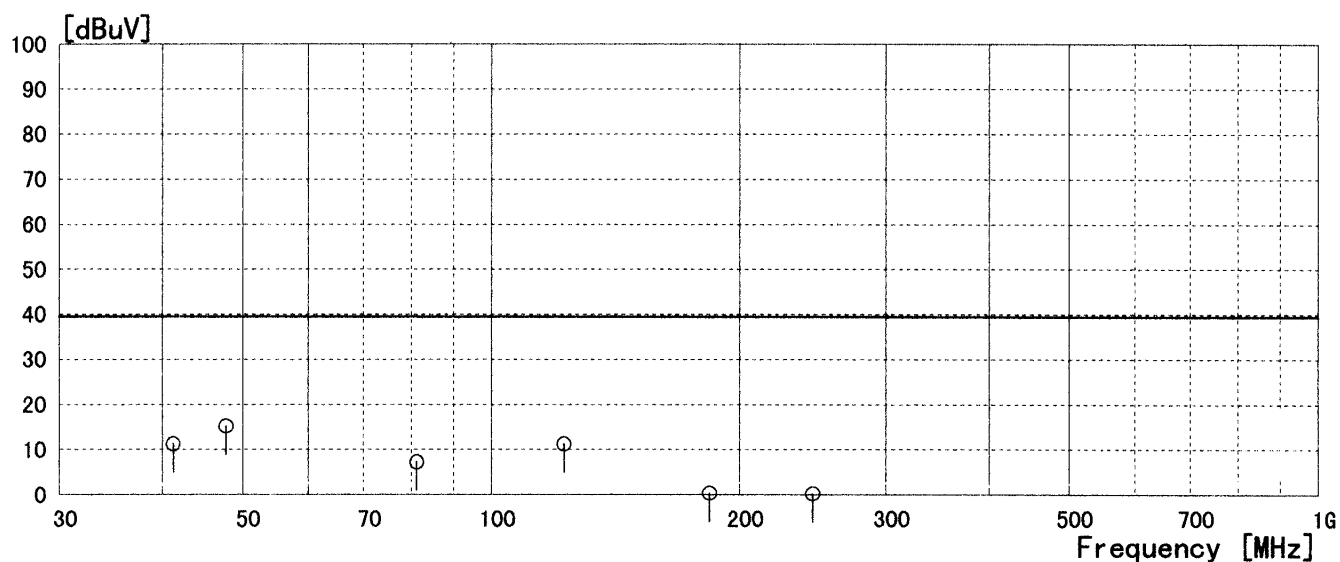
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 4

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	41.242	32.8	----	-21.6	11.2	----	39.5	----	28.3	----
2	47.749	36.8	----	-21.6	15.1	----	39.5	----	24.4	----
3	81.257	28.7	----	-21.4	7.2	----	39.5	----	32.3	----
4	122.500	32.6	----	-21.4	11.2	----	39.5	----	28.3	----
5	183.750	21.7	----	-21.4	0.3	----	39.5	----	39.2	----
6	245.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

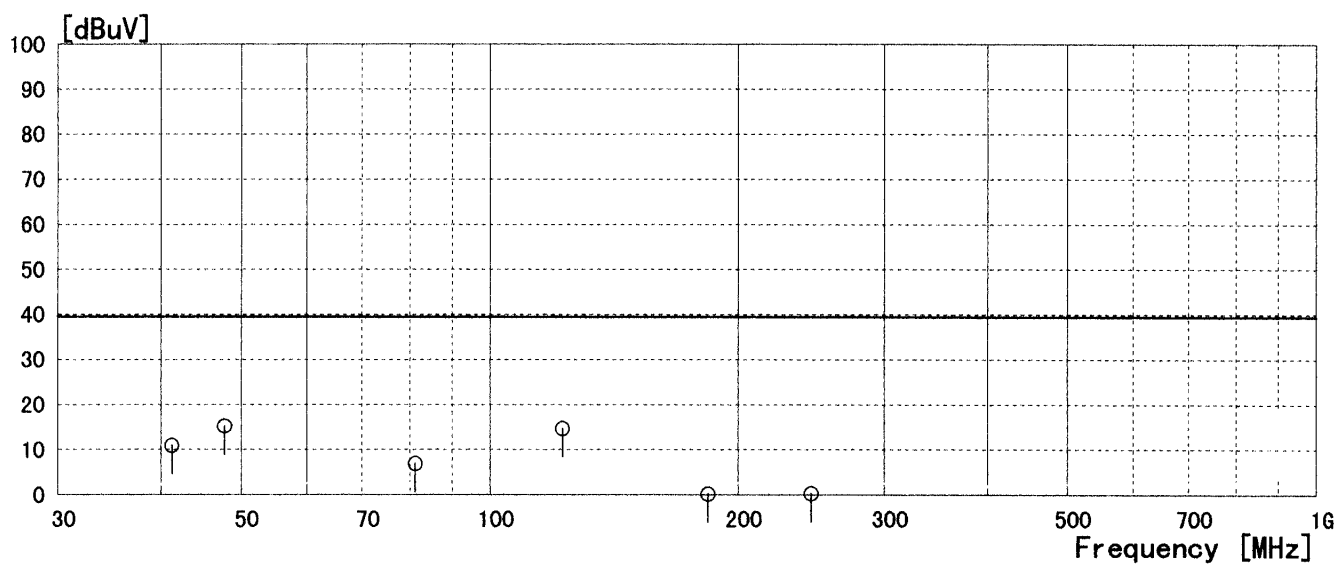
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 5

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	41.241	32.5	----	-21.6	10.9	----	39.5	----	28.6	----
2	47.749	36.8	----	-21.6	15.1	----	39.5	----	24.4	----
3	81.257	28.3	----	-21.4	6.9	----	39.5	----	32.6	----
4	122.500	36.0	----	-21.4	14.6	----	39.5	----	24.9	----
5	183.750	21.6	----	-21.4	0.1	----	39.5	----	39.4	----
6	245.000	21.7	----	-21.4	0.3	----	39.5	----	39.2	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

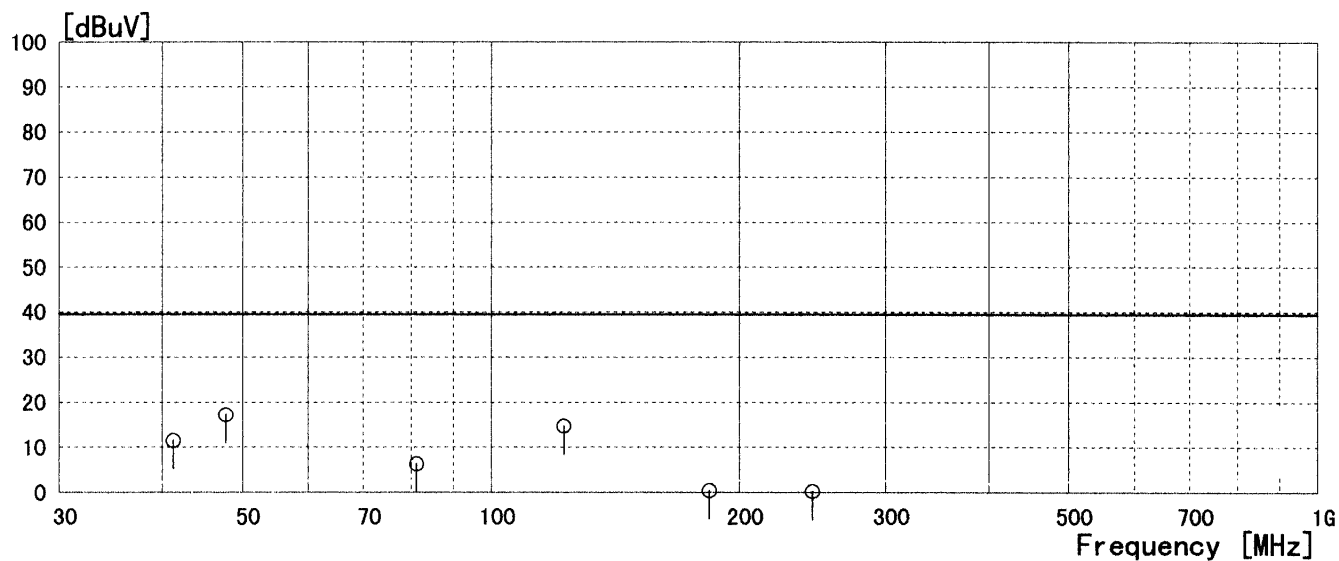
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 6

TEST ENGINEER: HITSUYUKI KIOKA

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	41.250	33.1	----	-21.6	11.5	----	39.5	----	28.0	----
2	47.749	38.8	----	-21.6	17.2	----	39.5	----	22.3	----
3	81.256	27.7	----	-21.4	6.3	----	39.5	----	33.2	----
4	122.500	36.1	----	-21.4	14.7	----	39.5	----	24.8	----
5	183.750	21.8	----	-21.4	0.4	----	39.5	----	39.1	----
6	245.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

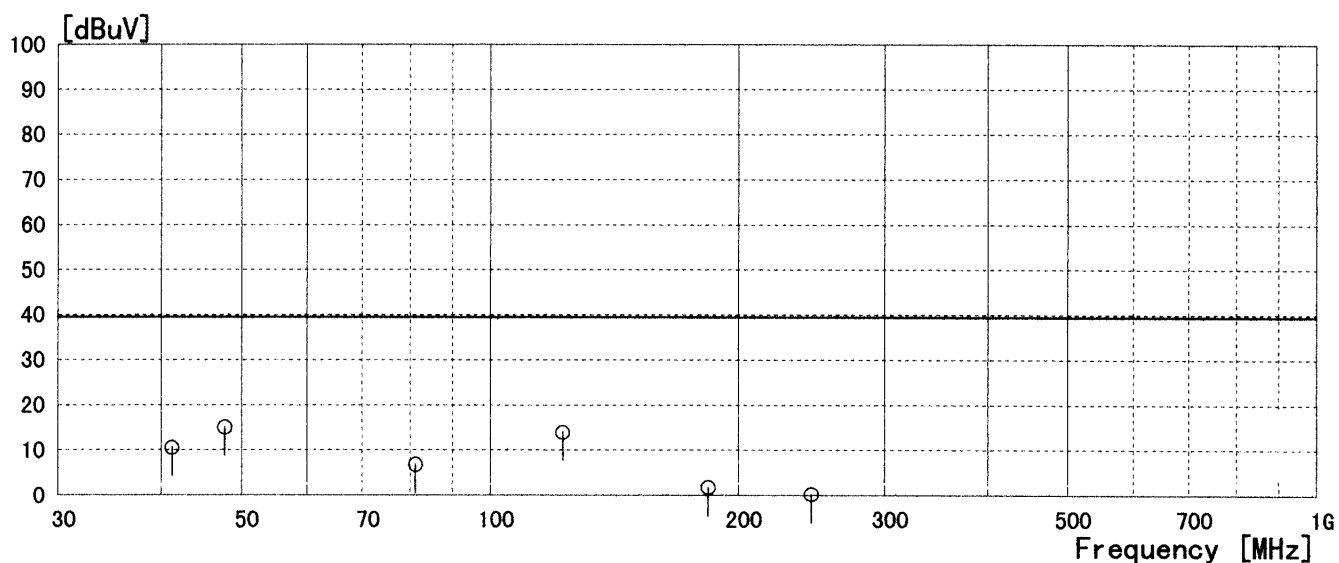
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: VCR PLAYBACK (3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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]		[dB]	
1	41.239	32.1	----	-21.6	10.5	----	39.5	----	29.0	----
2	47.750	36.6	----	-21.6	15.0	----	39.5	----	24.5	----
3	81.257	28.2	----	-21.4	6.7	----	39.5	----	32.8	----
4	122.500	35.3	----	-21.4	13.9	----	39.5	----	25.6	----
5	183.750	23.1	----	-21.4	1.7	----	39.5	----	37.8	----
6	245.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

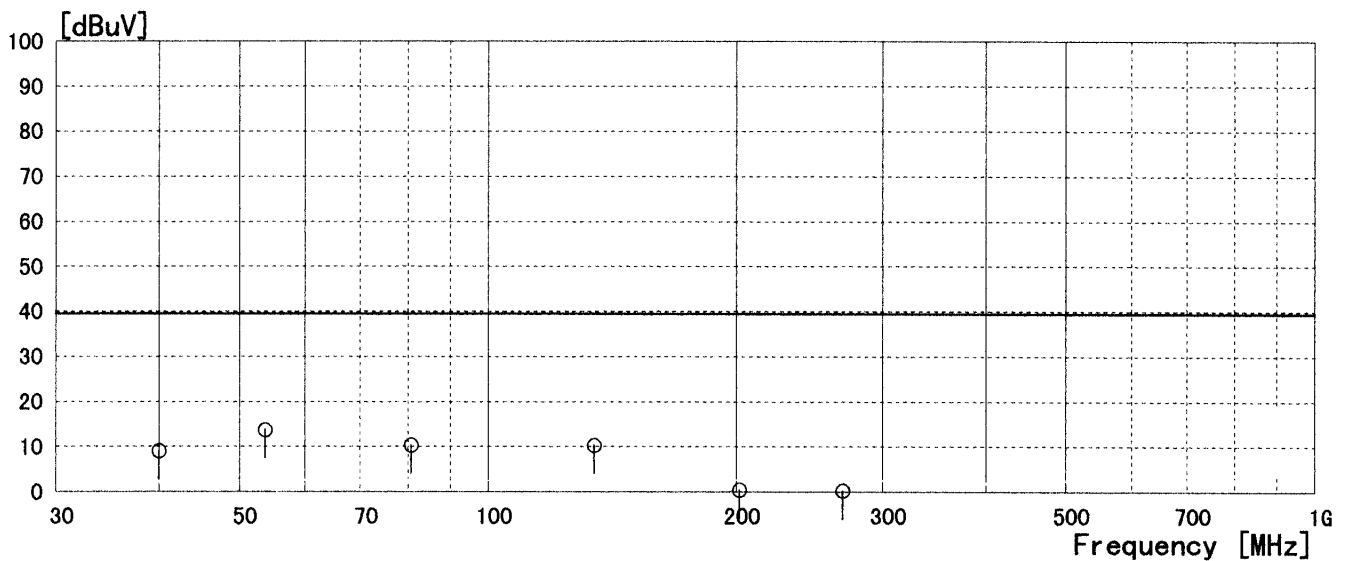
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: RECEIVE+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : OdBmV
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 8

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	40.017	30.6	----	-21.6	9.0	----	39.5	----	30.5	----
2	53.748	35.2	----	-21.6	13.7	----	39.5	----	25.8	----
3	80.748	31.7	----	-21.4	10.3	----	39.5	----	29.2	----
4	134.500	31.6	----	-21.4	10.2	----	39.5	----	29.3	----
5	201.750	21.8	----	-21.4	0.4	----	39.5	----	39.1	----
6	269.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

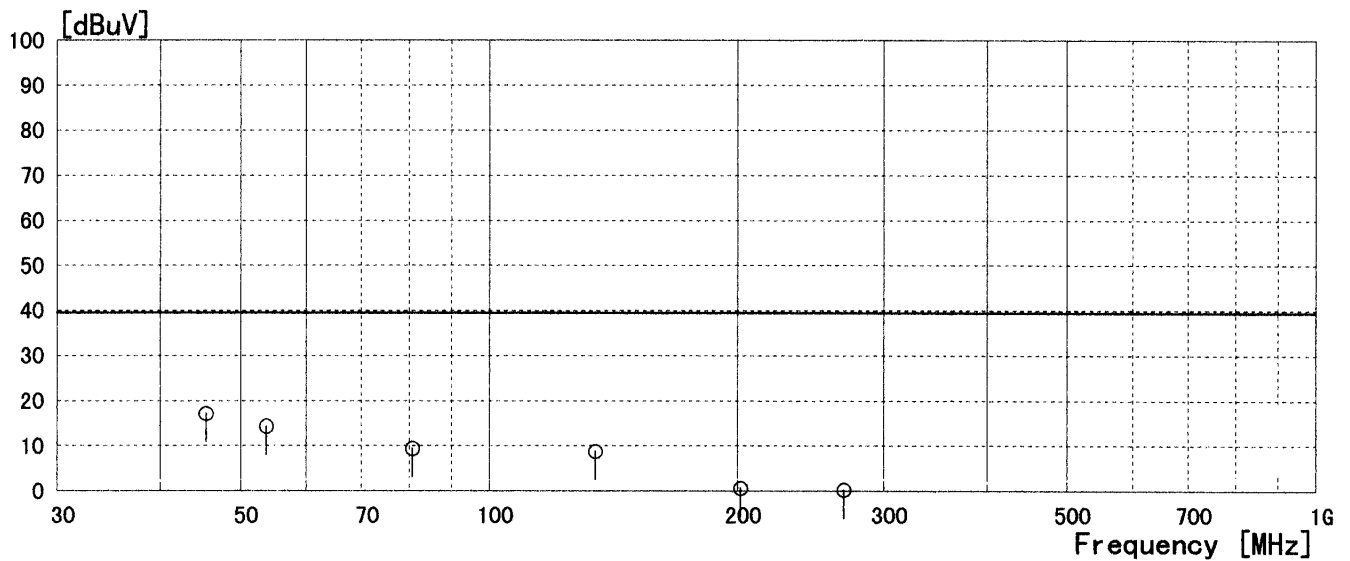
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: RECEIVE+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 9

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	45.476	38.7	----	-21.6	17.1	----	39.5	----	22.4	----
2	53.748	35.9	----	-21.6	14.3	----	39.5	----	25.2	----
3	80.747	30.8	----	-21.4	9.3	----	39.5	----	30.2	----
4	134.500	30.1	----	-21.4	8.7	----	39.5	----	30.8	----
5	201.750	22.0	----	-21.4	0.6	----	39.5	----	38.9	----
6	269.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

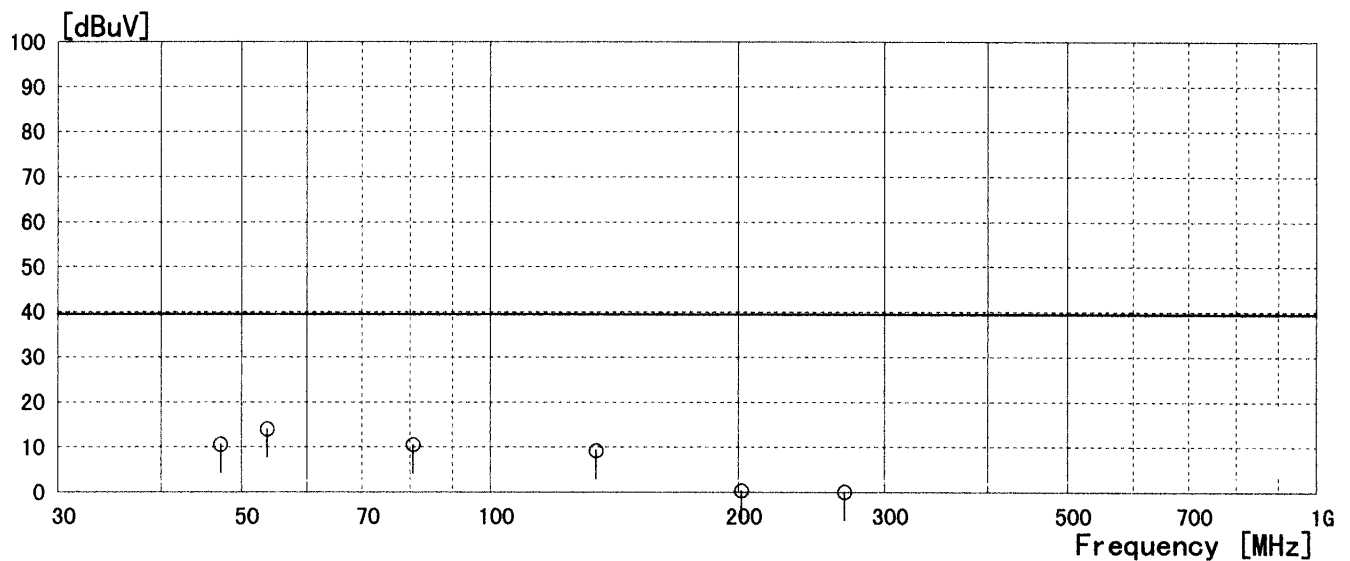
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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	47.241	32.1	----	-21.6	10.5	----	39.5	----	29.0	----
2	53.749	35.5	----	-21.6	13.9	----	39.5	----	25.6	----
3	80.748	31.9	----	-21.4	10.4	----	39.5	----	29.1	----
4	134.500	30.6	----	-21.4	9.2	----	39.5	----	30.3	----
5	201.750	21.7	----	-21.4	0.3	----	39.5	----	39.2	----
6	269.000	21.5	----	-21.4	0.1	----	39.5	----	39.4	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

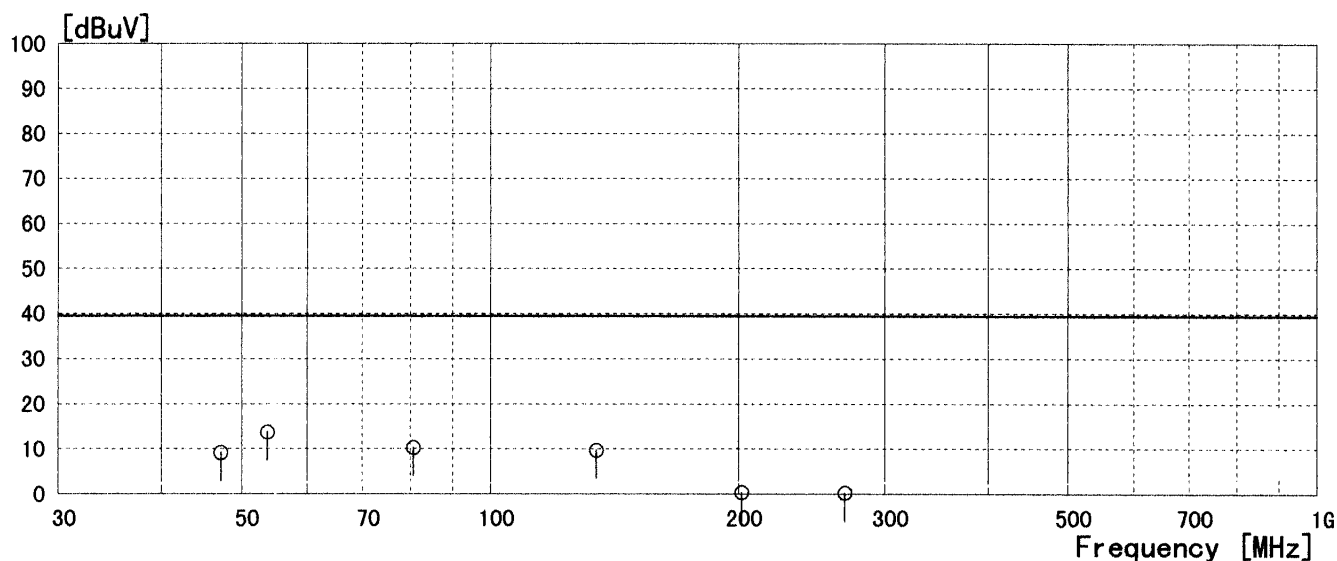
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 11

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	47.242	30.7	----	-21.6	9.1	----	39.5	----	30.4	----
2	53.749	35.2	----	-21.6	13.6	----	39.5	----	25.9	----
3	80.749	31.7	----	-21.4	10.2	----	39.5	----	29.3	----
4	134.500	31.0	----	-21.4	9.6	----	39.5	----	29.9	----
5	201.750	21.7	----	-21.4	0.3	----	39.5	----	39.2	----
6	269.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

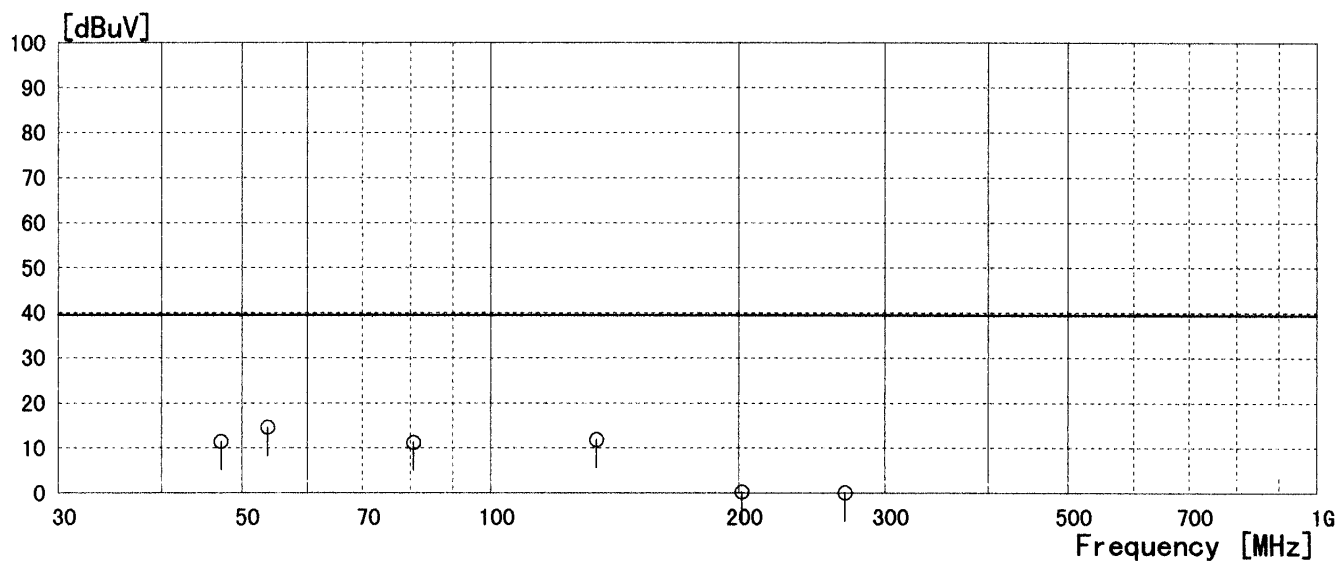
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : AV2 INPUT+REC(4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 12

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	47.242	33.0	----	-21.6	11.4	----	39.5	----	28.1	----
2	53.750	36.1	----	-21.6	14.5	----	39.5	----	25.0	----
3	80.753	32.6	----	-21.4	11.2	----	39.5	----	28.3	----
4	134.500	33.2	----	-21.4	11.8	----	39.5	----	27.7	----
5	201.750	21.6	----	-21.4	0.2	----	39.5	----	39.3	----
6	269.000	21.5	----	-21.4	0.1	----	39.5	----	39.4	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

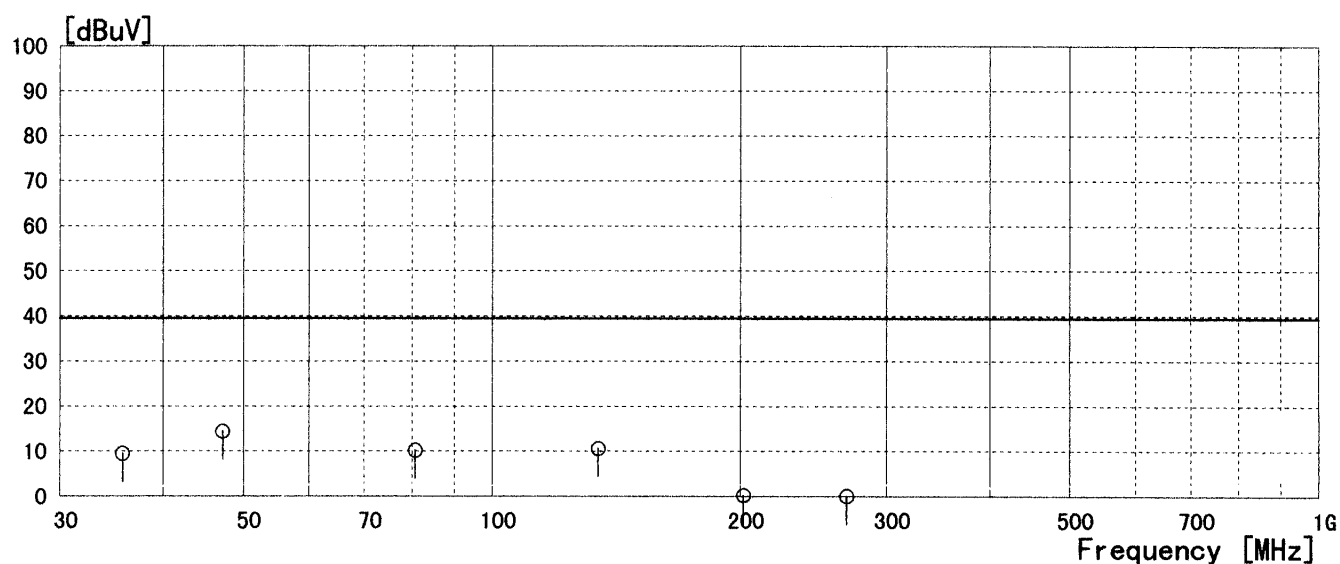
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
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	35.749	31.1	----	-21.7	9.4	----	39.5	----	30.1	----
2	47.241	36.0	----	-21.6	14.4	----	39.5	----	25.1	----
3	80.748	31.6	----	-21.4	10.2	----	39.5	----	29.3	----
4	134.500	32.0	----	-21.4	10.6	----	39.5	----	28.9	----
5	201.750	21.6	----	-21.4	0.2	----	39.5	----	39.3	----
6	269.000	21.5	----	-21.4	0.1	----	39.5	----	39.4	----

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



SRURIOUS FROM RF OUTPUT TERMINAL

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

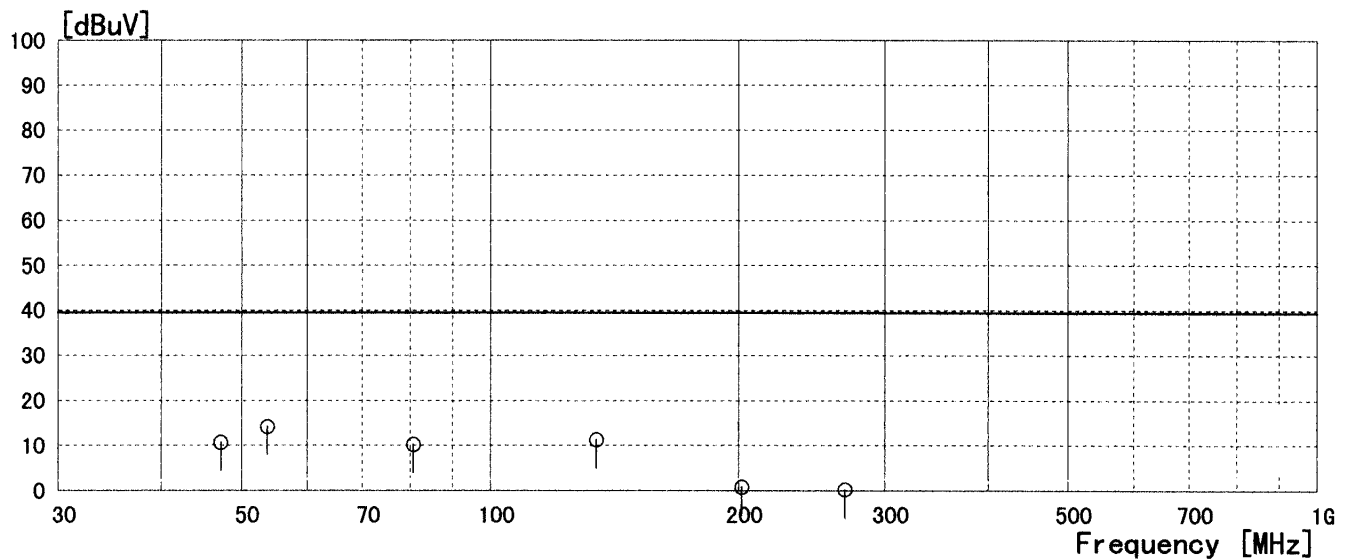
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: VCR PLAYBACK (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 04, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 14

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	47.239	32.2	----	-21.6	10.6	----	39.5	----	28.9	----
2	53.751	35.7	----	-21.6	14.1	----	39.5	----	25.4	----
3	80.748	31.6	----	-21.4	10.2	----	39.5	----	29.3	----
4	134.500	32.6	----	-21.4	11.2	----	39.5	----	28.3	----
5	201.750	22.1	----	-21.4	0.7	----	39.5	----	38.8	----
6	269.000	21.6	----	-21.4	0.2	----	39.5	----	39.3	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

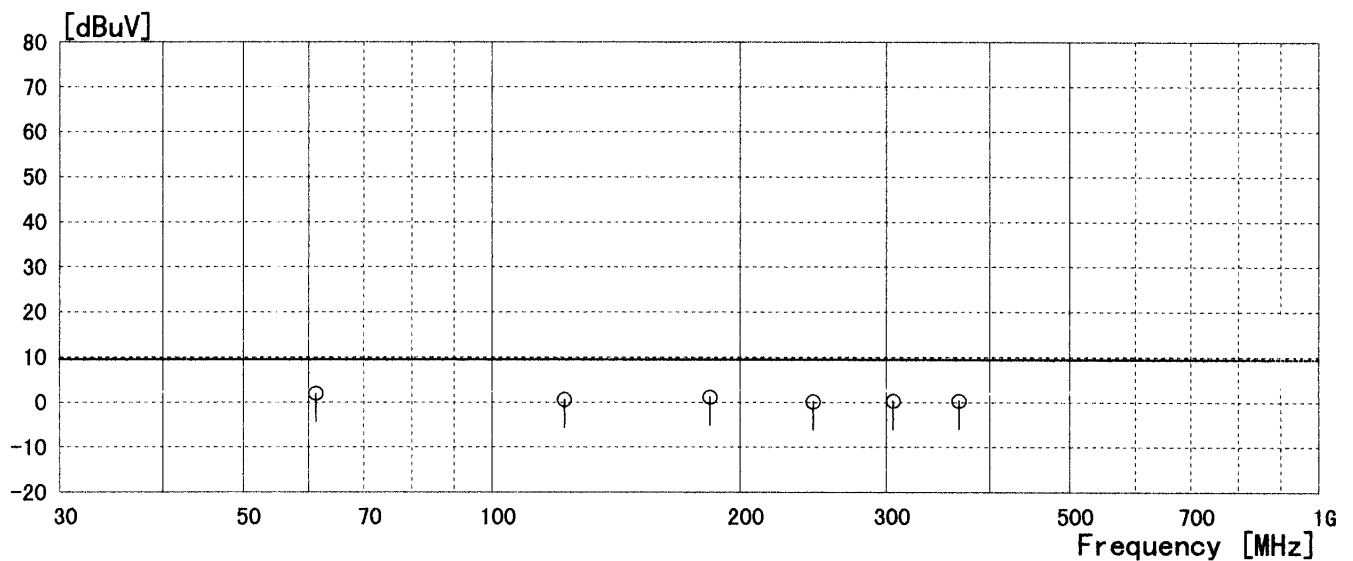
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(3CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 1

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	61.250	23.4	----	-21.5	1.9	----	9.5	----	7.6	----
2	122.500	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
3	183.750	22.5	----	-21.4	1.1	----	9.5	----	8.4	----
4	245.000	21.5	----	-21.4	0.1	----	9.5	----	9.4	----
5	306.250	21.7	----	-21.4	0.3	----	9.5	----	9.2	----
6	367.500	21.6	----	-21.4	0.2	----	9.5	----	9.3	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

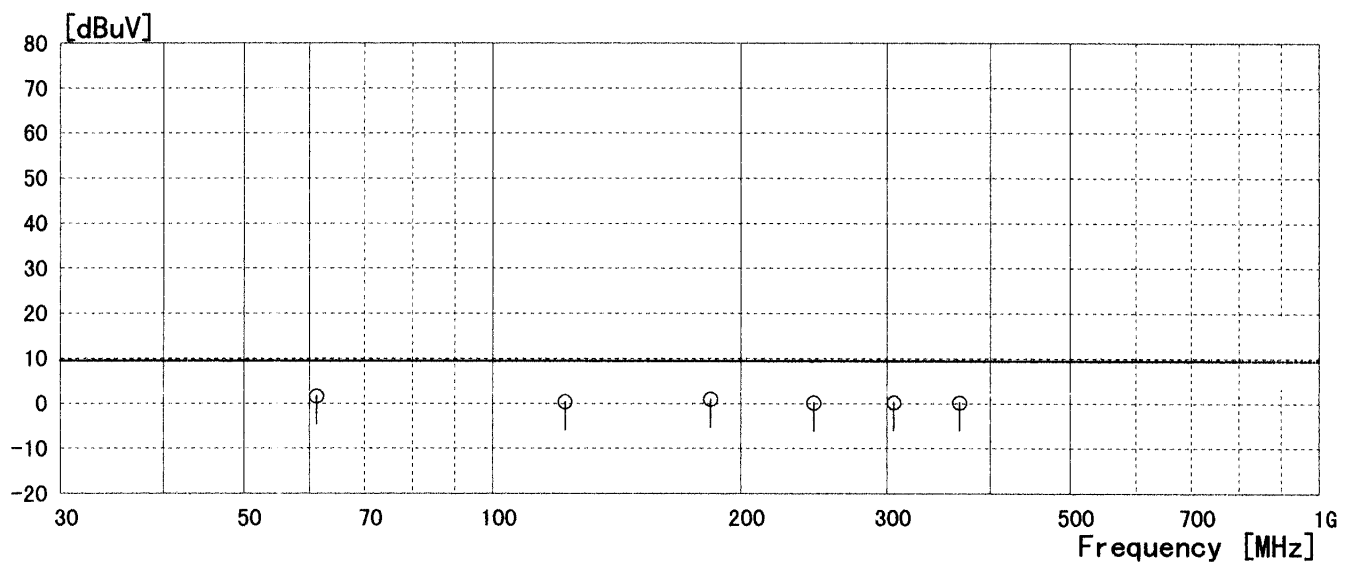
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE : AV1 INPUT+REC(3CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
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	61.250	23.1	----	-21.5	1.6	----	9.5	----	7.9	----
2	122.500	21.7	----	-21.4	0.3	----	9.5	----	9.2	----
3	183.750	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
4	245.000	21.5	----	-21.4	0.1	----	9.5	----	9.4	----
5	306.250	21.6	----	-21.4	0.2	----	9.5	----	9.3	----
6	367.500	21.5	----	-21.4	0.1	----	9.5	----	9.4	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

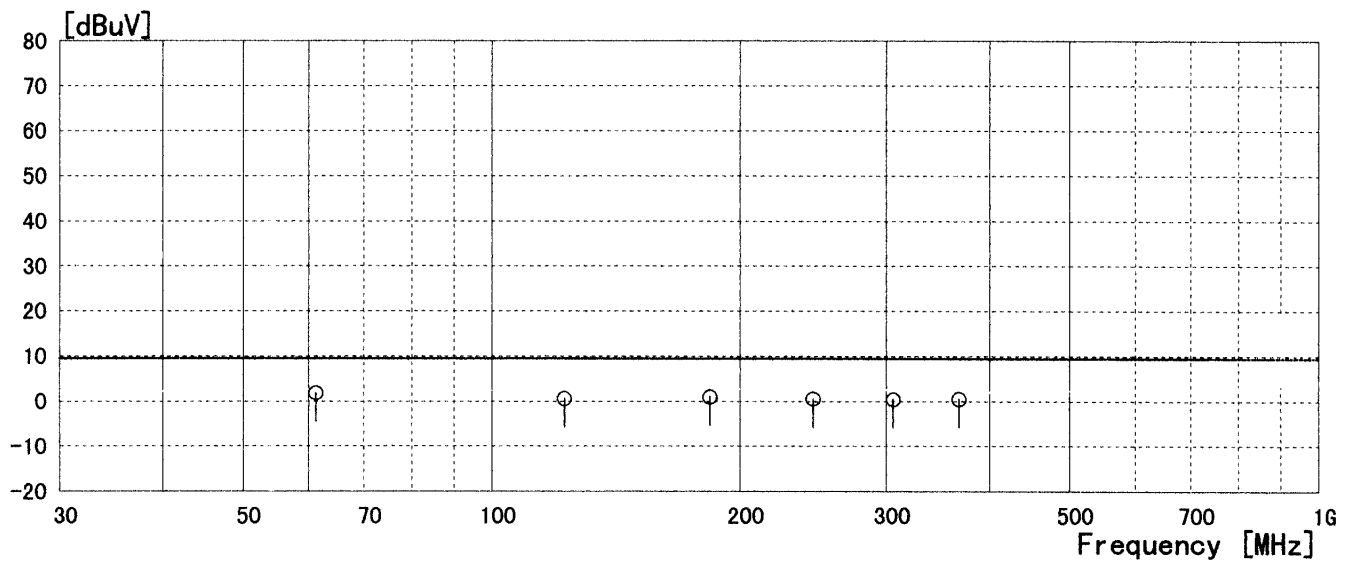
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(3CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 3

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	61.250	23.3	----	-21.5	1.8	----	9.5	----	7.7	----
2	122.500	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
3	183.750	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
4	245.000	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
5	306.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	367.500	21.8	----	-21.4	0.4	----	9.5	----	9.1	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

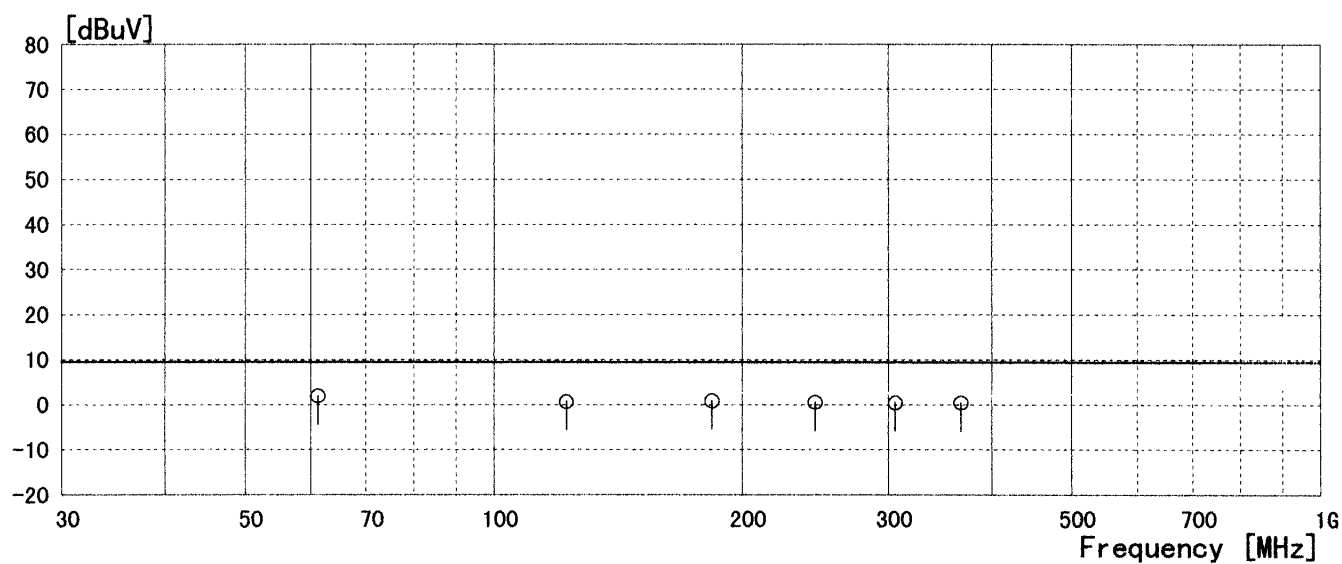
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(3CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 4

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	61.250	23.4	----	-21.5	1.9	----	9.5	----	7.6	----
2	122.500	22.0	----	-21.4	0.6	----	9.5	----	8.9	----
3	183.750	22.2	----	-21.4	0.8	----	9.5	----	8.7	----
4	245.000	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
5	306.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	367.500	21.7	----	-21.4	0.3	----	9.5	----	9.2	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

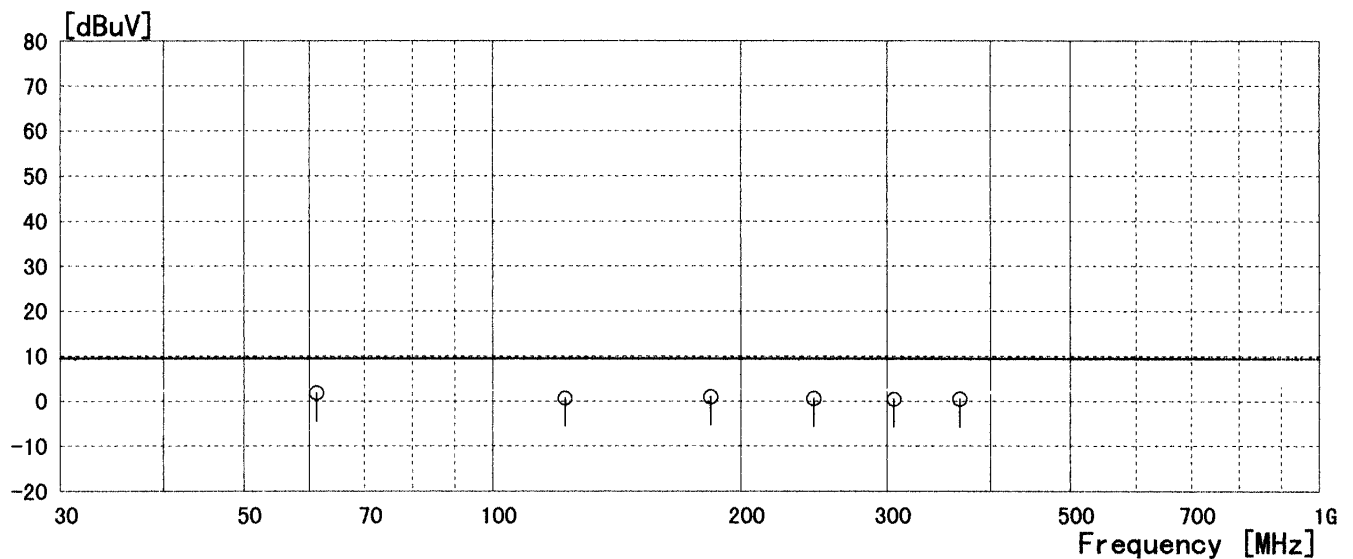
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: VCR PLAYBACK (3CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 5

TEST ENGINEER: H. SAYUKI KIOKA

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	61.250	23.3	----	-21.5	1.8	----	9.5	----	7.7	----
2	122.500	22.0	----	-21.4	0.6	----	9.5	----	8.9	----
3	183.750	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
4	245.000	22.0	----	-21.4	0.6	----	9.5	----	8.9	----
5	306.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	367.500	21.8	----	-21.4	0.4	----	9.5	----	9.1	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

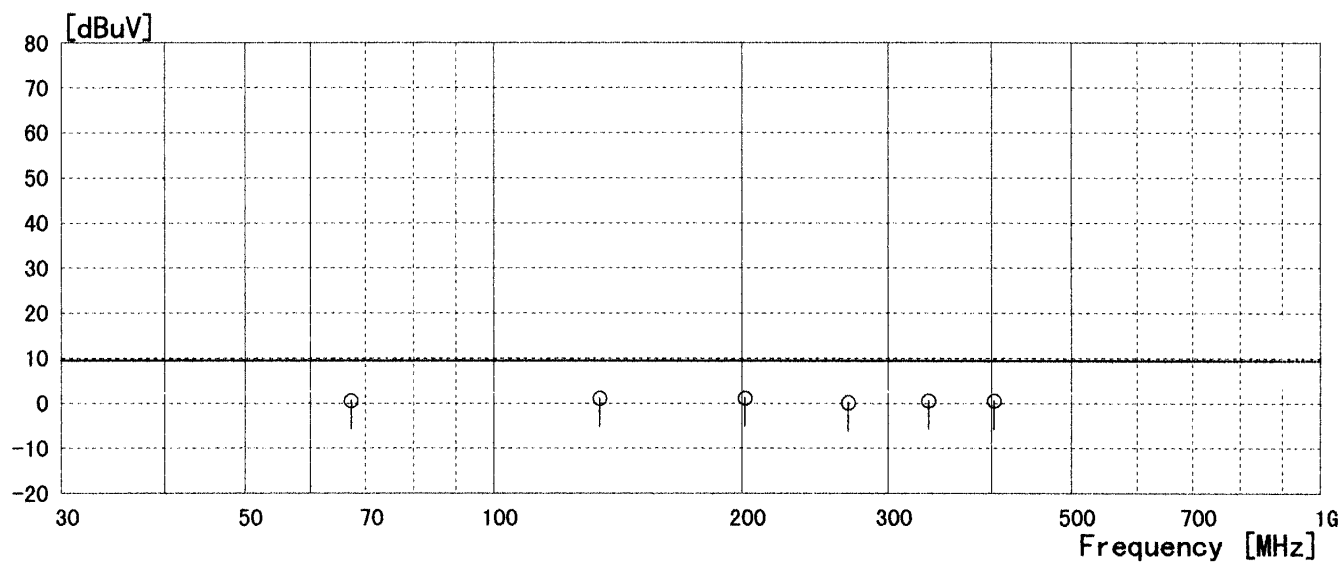
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(4CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT
:

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 6

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	67.250	22.0	----	-21.5	0.5	----	9.5	----	9.0	----
2	134.500	22.4	----	-21.4	1.0	----	9.5	----	8.5	----
3	201.750	22.5	----	-21.4	1.1	----	9.5	----	8.4	----
4	269.000	21.5	----	-21.4	0.1	----	9.5	----	9.4	----
5	336.250	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
6	403.500	21.8	----	-21.3	0.5	----	9.5	----	9.0	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

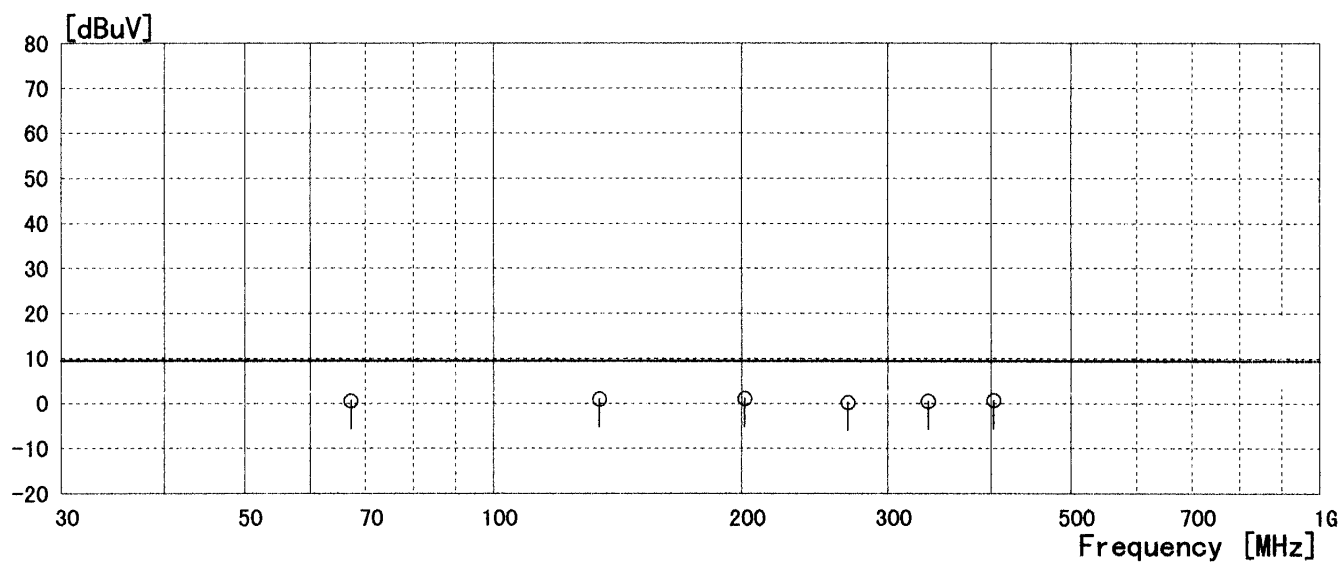
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV1 INPUT+REC(4CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
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]		[dB]	
1	67.250	22.0	----	-21.5	0.5	----	9.5	----	9.0	----
2	134.500	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
3	201.750	22.4	----	-21.4	1.0	----	9.5	----	8.5	----
4	269.000	21.6	----	-21.4	0.2	----	9.5	----	9.3	----
5	336.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	403.500	21.9	----	-21.3	0.6	----	9.5	----	8.9	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

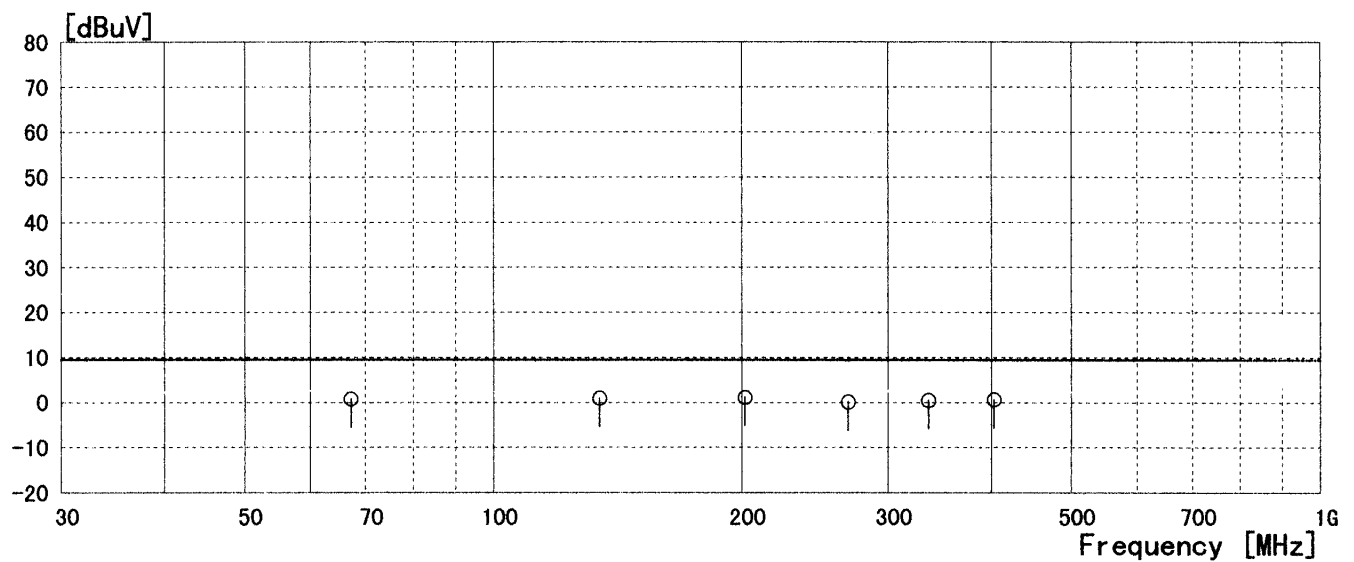
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(4CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 8

TEST ENGINEER: HYSAYUKI KIOKA

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP	AV		QP	AV	QP	AV	QP	AV
		[dBuV]			[dBuV]		[dBuV]		[dB]	
1	67.250	22.2	----	-21.5	0.7	----	9.5	----	8.8	----
2	134.500	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
3	201.750	22.5	----	-21.4	1.1	----	9.5	----	8.4	----
4	269.000	21.5	----	-21.4	0.1	----	9.5	----	9.4	----
5	336.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	403.500	21.9	----	-21.3	0.6	----	9.5	----	8.9	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

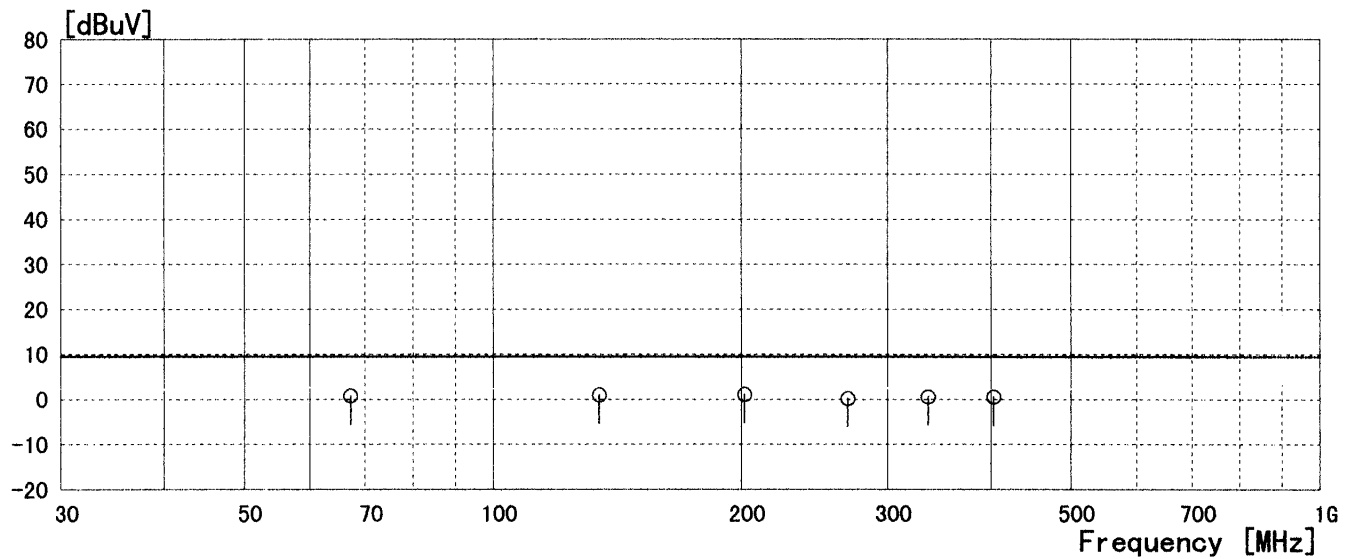
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: AV2 INPUT+REC(4CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
REGULATION : FCC PART15 SUBPART B
TEST NO. : 9

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	67.250	22.2	----	-21.5	0.7	----	9.5	----	8.8	----
2	134.500	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
3	201.750	22.4	----	-21.4	1.0	----	9.5	----	8.5	----
4	269.000	21.6	----	-21.4	0.2	----	9.5	----	9.3	----
5	336.250	21.9	----	-21.4	0.5	----	9.5	----	9.0	----
6	403.500	21.8	----	-21.3	0.5	----	9.5	----	9.0	----

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



Antenna transfer switch

A-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

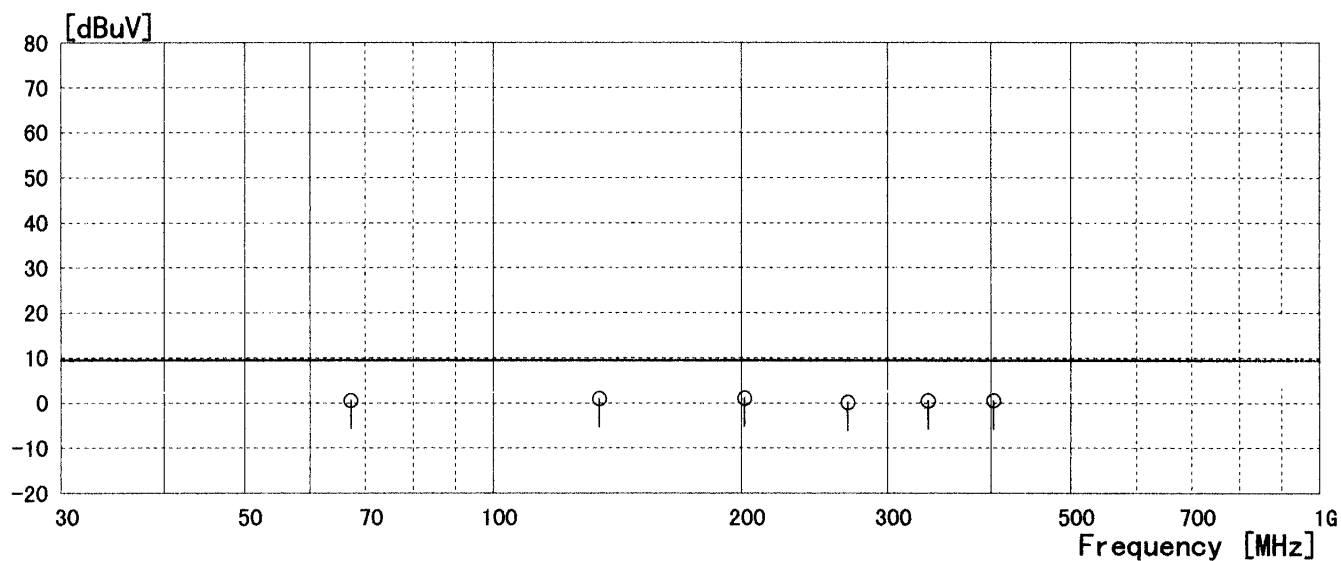
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : W525
OPERATION MODE: VCR PLAYBACK (4CH OUTPUT)
PORT : RF INPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 22HE0001-KT-1
DATE : MARCH 05, 2002
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	67.250	22.0	----	-21.5	0.5	----	9.5	----	9.0	----
2	134.500	22.3	----	-21.4	0.9	----	9.5	----	8.6	----
3	201.750	22.4	----	-21.4	1.0	----	9.5	----	8.5	----
4	269.000	21.5	----	-21.4	0.1	----	9.5	----	9.4	----
5	336.250	21.8	----	-21.4	0.4	----	9.5	----	9.1	----
6	403.500	21.8	----	-21.3	0.5	----	9.5	----	9.0	----

RESULT=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	: W525
Power	: AC 120 V / 60 Hz
Description	: Receive mode

Report Number : 22HE0001-KT-1
Regulation : FCC Prat15B Subpart B
Date : March 5, 2002

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	20.2	10.2
3	61.25	16.5	6.7	20	507.25	20.2	10.2
4	67.25	16.5	6.7	26	543.25	20.5	10.6
5	77.25	16.6	6.8	32	579.25	20.6	10.7
6	83.25	16.9	7.0	38	615.25	19.8	9.8
7	175.25	18.0	7.9	44	651.25	19.5	9.4
8	181.25	18.0	7.9	50	687.25	19.4	9.3
9	187.25	17.9	7.9	56	723.25	20.3	10.4
10	193.25	18.1	8.0	62	759.25	20.0	10.0
11	199.25	18.2	8.1	69	801.25	20.3	10.4
12	205.25	18.2	8.1	-	-	-	-
13	211.25	18.3	8.2	-	-	-	-
Average VHF			7.8	Average UHF			10.1
Average UHF/VHF : $20 \log \text{UHF}[\text{uV}]/\text{VHF}[\text{uV}] = 2.2\text{dB}$							

[Limit : 8.0 dB]

Noise figure test

A-PEX INTERNATIONAL CO., LTD.

Kanto office EMC Laboratory

Company : ORION ELECTRIC CO., LTD.

Report Number : 22HE0001-KT-1

Equipment : VIDEO CASSETTE RECORDER

Regulation : FCC Part15B Subpart B

Model number : W525

Date : March 5, 2002

Power : AC 120 V / 60 Hz

Description : Receive mode

Engineer

: Hisayuki Kioka

Ch.	Frequency [MHz]	Meter reading [dB]	Correction factor [dB]	Noise figure [dB]	Limits [dB]	Margin [dB]
TV VHF Fundamental						
2	55.25	5.4	0.2	5.2	14.0	8.8
3	61.25	2.5	0.2	2.3	14.0	11.7
4	67.25	1.8	0.2	1.6	14.0	12.4
5	77.25	2.0	0.2	1.8	14.0	12.2
6	83.25	2.3	0.2	2.1	14.0	11.9
7	175.25	3.3	0.2	3.1	14.0	10.9
8	181.25	3.0	0.2	2.8	14.0	11.2
9	187.25	2.7	0.2	2.5	14.0	11.5
10	193.25	2.5	0.2	2.3	14.0	11.7
11	199.25	2.4	0.2	2.2	14.0	11.8
12	205.25	2.4	0.2	2.2	14.0	11.8
13	211.25	2.5	0.2	2.3	14.0	11.7
TV UHF Fundamental						
14	471.25	4.2	0.3	3.9	14.0	10.1
20	507.25	4.7	0.3	4.4	14.0	9.6
26	543.25	5.1	0.3	4.8	14.0	9.2
32	579.25	5.6	0.3	5.3	14.0	8.7
38	615.25	6.1	0.3	5.8	14.0	8.2
44	651.25	6.7	0.3	6.4	14.0	7.6
50	687.25	7.4	0.3	7.1	14.0	6.9
56	723.25	7.9	0.4	7.5	14.0	6.5
62	759.25	6.2	0.4	5.8	14.0	8.2
69	801.25	5.2	0.4	4.8	14.0	9.2
Mid-band						
14	121.25	4.1	0.2	3.9	14.0	10.1
16	133.25	5.6	0.2	5.4	14.0	8.6
18	145.25	4.9	0.2	4.7	14.0	9.3
20	157.25	4.3	0.2	4.1	14.0	9.9
22	169.25	3.7	0.2	3.5	14.0	10.5
Super-band						
23	217.25	2.6	0.2	2.4	14.0	11.6
26	235.25	3.2	0.2	3.0	14.0	11.0
29	253.25	4.0	0.2	3.8	14.0	10.2
32	271.25	4.5	0.2	4.3	14.0	9.7
36	295.25	5.0	0.2	4.8	14.0	9.2