

DATA OF CONDUCTION

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

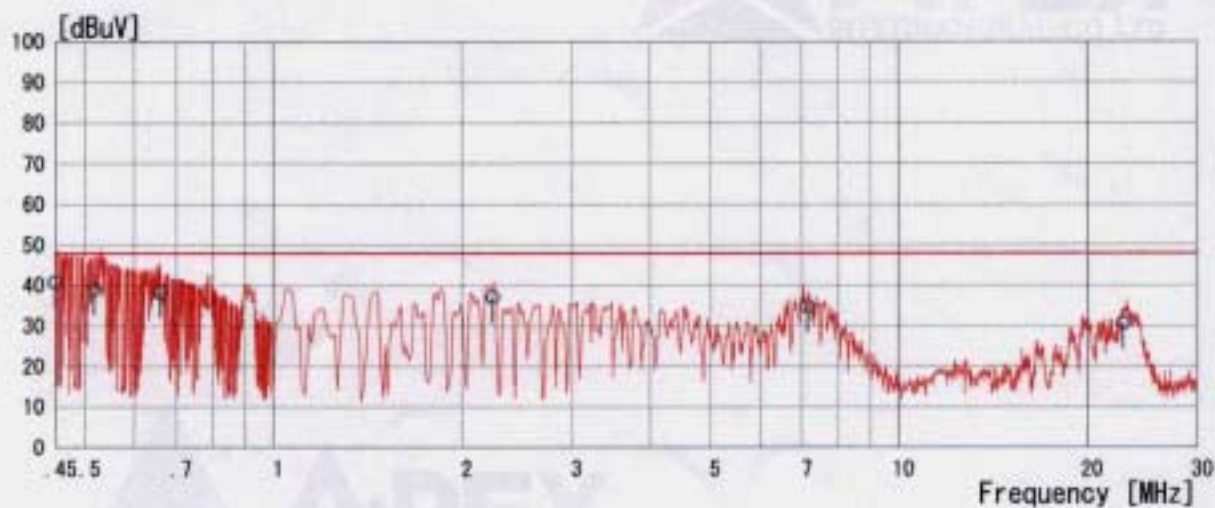
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 0dBmV INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.4	—	0.4	40.8	—	48.0	—	7.2	—
2	0.519	38.7	—	0.3	39.0	—	48.0	—	9.0	—
3	0.663	38.0	—	0.3	38.3	—	48.0	—	9.7	—
4	2.250	36.8	—	0.3	37.1	—	48.0	—	10.9	—
5	7.174	34.3	—	0.5	34.8	—	48.0	—	13.2	—
6	22.910	29.7	—	0.9	30.6	—	48.0	—	17.4	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



APEX

DATA OF CONDUCTION

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

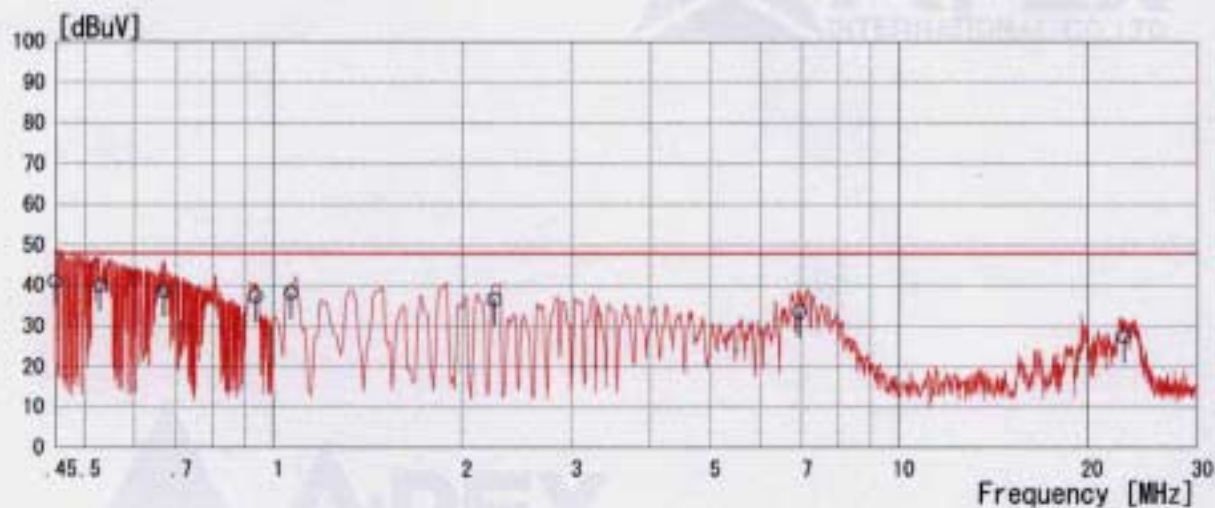
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC
POWER : AC120V/60Hz
LINE : L
REMARKS : OdBmV INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.6	—	0.4	41.0	—	48.0	—	7.0	—
2	0.531	39.7	—	0.3	40.0	—	48.0	—	8.0	—
3	0.670	38.3	—	0.3	38.6	—	48.0	—	9.4	—
4	0.940	37.1	—	0.2	37.3	—	48.0	—	10.7	—
5	1.070	37.9	—	0.2	38.1	—	48.0	—	9.9	—
6	2.260	36.2	—	0.3	36.5	—	48.0	—	11.5	—
7	6.960	33.0	—	0.5	33.5	—	48.0	—	14.5	—
8	22.998	26.5	—	0.9	27.4	—	48.0	—	20.6	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



A-PEX INTERNATIONAL CO., LTD.

DATA OF CONDUCTION

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Kanto Office EMC Lab.

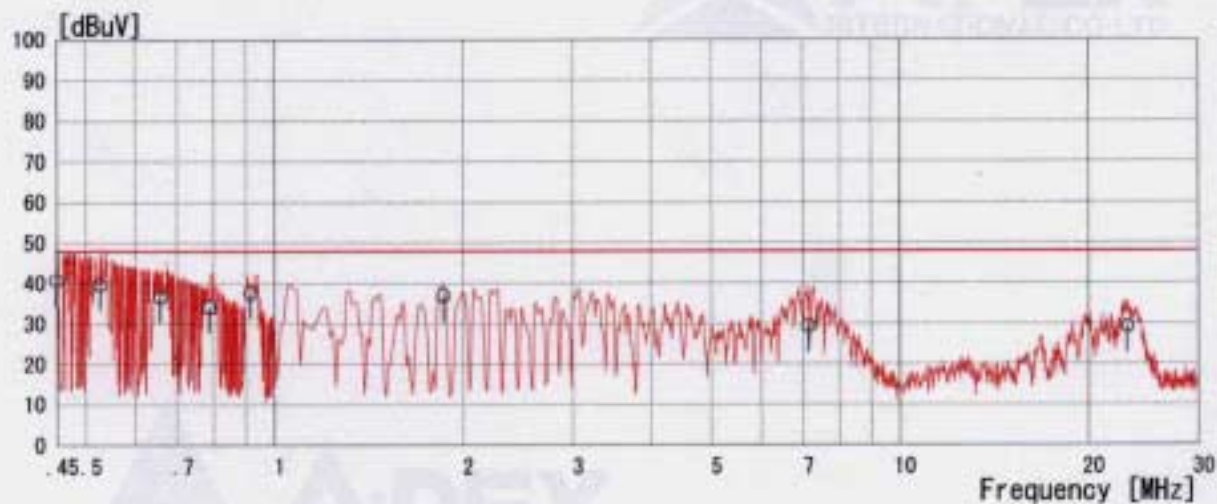
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 25dBmV INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.4	—	0.4	40.8	—	48.0	—	7.2	—
2	0.530	39.4	—	0.3	39.7	—	48.0	—	8.3	—
3	0.660	36.3	—	0.3	36.6	—	48.0	—	11.4	—
4	0.790	33.8	—	0.3	34.1	—	48.0	—	13.9	—
5	0.920	37.3	—	0.2	37.5	—	48.0	—	10.5	—
6	1.868	36.6	—	0.3	36.9	—	48.0	—	11.1	—
7	7.175	28.8	—	0.5	29.3	—	48.0	—	18.7	—
8	23.170	28.3	—	0.9	29.2	—	48.0	—	18.8	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

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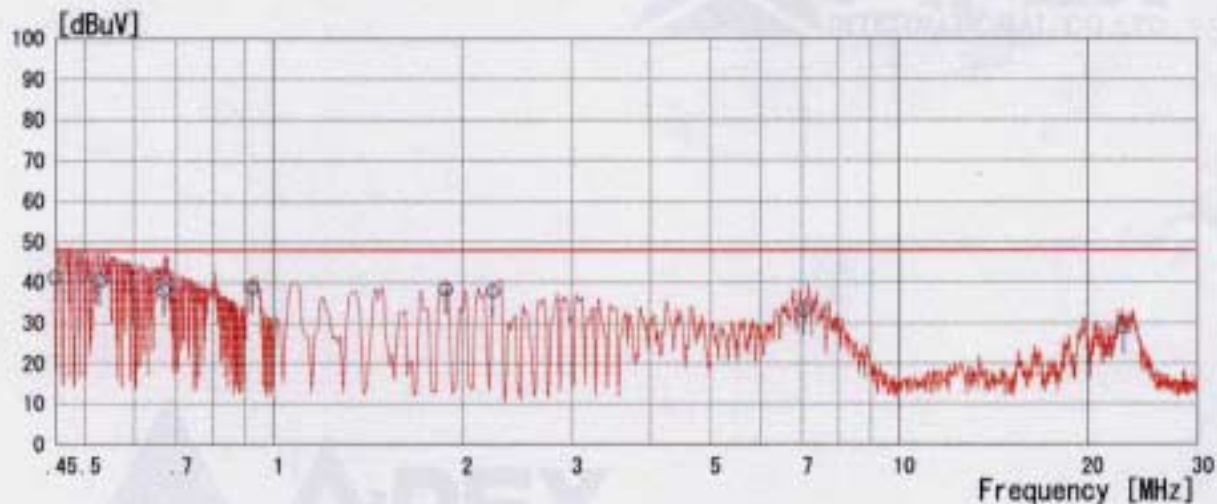
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 25dBmV INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.9	—	0.4	41.3	—	48.0	—	6.7	—
2	0.530	40.1	—	0.3	40.4	—	48.0	—	7.6	—
3	0.670	37.7	—	0.3	38.0	—	48.0	—	10.0	—
4	0.927	38.5	—	0.2	38.7	—	48.0	—	9.3	—
5	1.890	38.1	—	0.3	38.4	—	48.0	—	9.6	—
6	2.250	37.5	—	0.3	37.8	—	48.0	—	10.2	—
7	7.070	32.7	—	0.5	33.2	—	48.0	—	14.8	—
8	22.890	27.9	—	0.9	28.8	—	48.0	—	19.2	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
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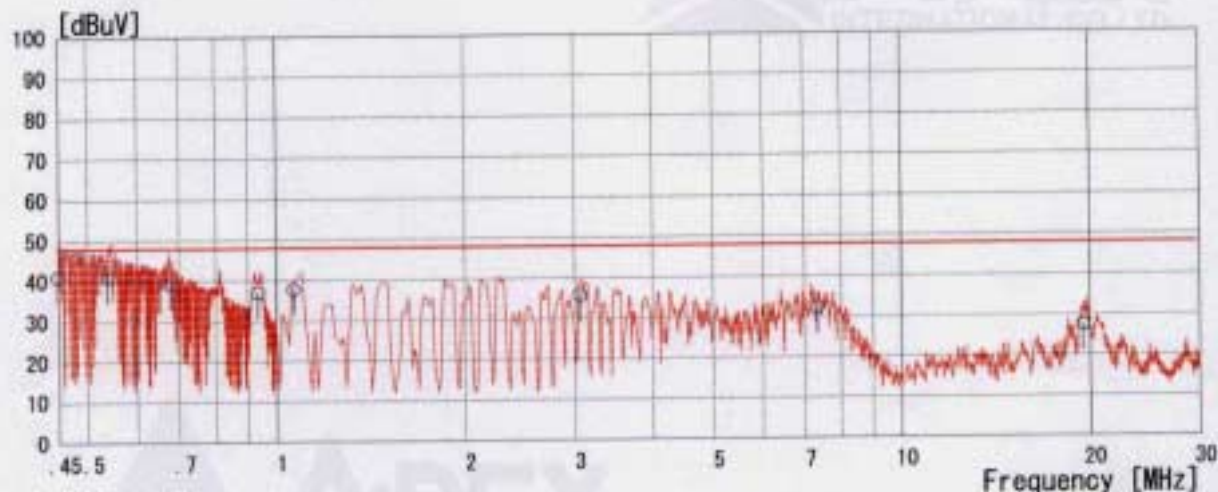
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 1Vp-p INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	0.450	40.6	—	0.4	41.0	—	48.0	—	7.0	—
2	0.540	40.6	—	0.3	40.9	—	48.0	—	7.1	—
3	0.680	38.9	—	0.3	39.2	—	48.0	—	8.8	—
4	0.939	36.7	—	0.2	36.9	—	48.0	—	11.1	—
5	1.070	37.5	—	0.2	37.7	—	48.0	—	10.3	—
6	3.074	35.3	—	0.4	35.7	—	48.0	—	12.3	—
7	7.363	31.7	—	0.5	32.2	—	48.0	—	15.8	—
8	19.558	26.6	—	0.8	27.4	—	48.0	—	20.6	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

A-PEX INTERNATIONAL CO., LTD.
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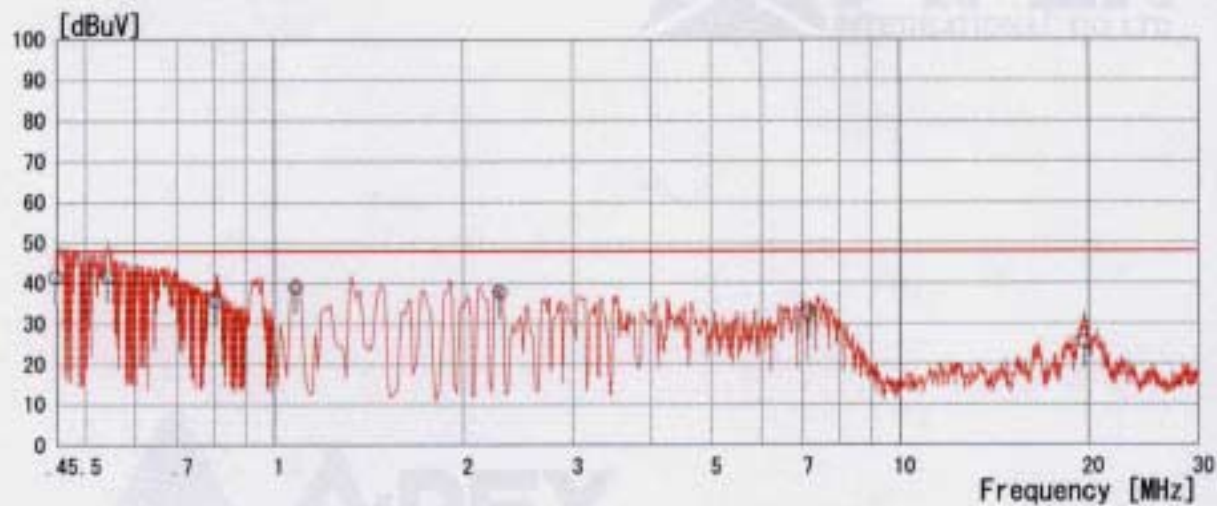
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 1Vp-p INPUT

REPORT No. : 21IE0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART B
TEST No. : 6

TEST ENGINEER: HIRAYUKI 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	41.0	—	0.4	41.4	—	48.0	—	6.6	—
2	0.544	41.4	—	0.3	41.7	—	48.0	—	6.3	—
3	0.810	35.2	—	0.3	35.5	—	48.0	—	12.5	—
4	1.086	38.7	—	0.2	38.9	—	48.0	—	9.1	—
5	2.299	37.4	—	0.3	37.7	—	48.0	—	10.3	—
6	7.174	32.4	—	0.5	32.9	—	48.0	—	15.1	—
7	19.789	24.6	—	0.8	25.4	—	48.0	—	22.6	—

RESULTS=READING+CABLE LOSS+LISM FACTOR



DATA OF CONDUCTION

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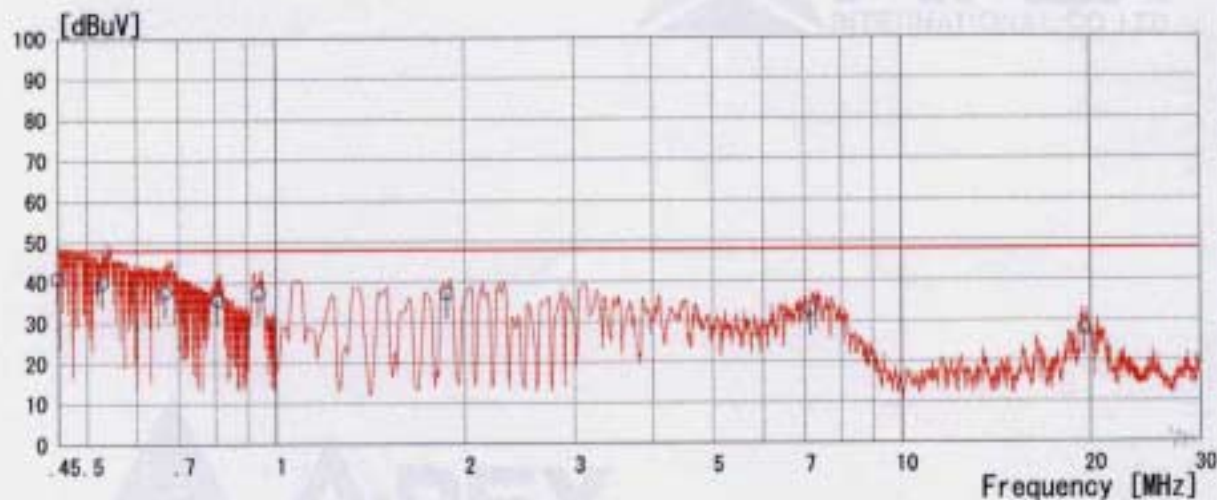
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC
POWER : AC120V/60Hz
LINE : N
REMARKS : 5Vp-p INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	0.450	40.6	—	0.4	41.0	—	48.0	—	7.0	—
2	0.530	39.7	—	0.3	40.0	—	48.0	—	8.0	—
3	0.668	37.3	—	0.3	37.6	—	48.0	—	10.4	—
4	0.810	35.3	—	0.3	35.6	—	48.0	—	12.4	—
5	0.940	37.0	—	0.2	37.2	—	48.0	—	10.8	—
6	1.880	37.0	—	0.3	37.3	—	48.0	—	10.7	—
7	7.178	32.4	—	0.5	32.9	—	48.0	—	15.1	—
8	19.664	27.1	—	0.8	27.9	—	48.0	—	20.1	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



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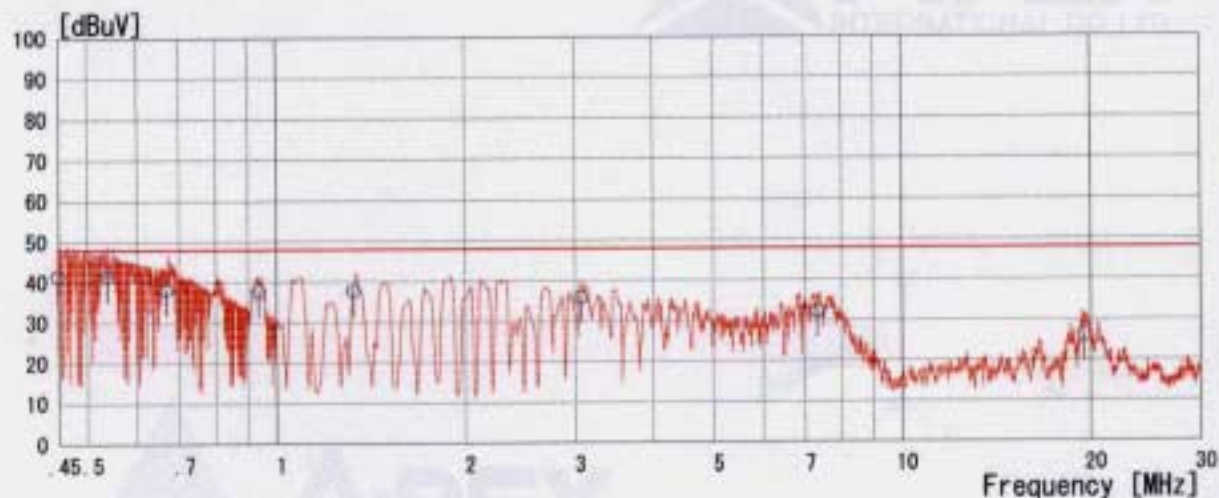
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC
POWER : AC120V/60Hz
LINE : L
REMARKS : 5Vp-p INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	41.0	—	0.4	41.4	—	48.0	—	6.6	—
2	0.540	41.1	—	0.3	41.4	—	48.0	—	6.6	—
3	0.670	37.8	—	0.3	38.1	—	48.0	—	9.9	—
4	0.940	37.4	—	0.2	37.6	—	48.0	—	10.4	—
5	1.333	37.4	—	0.2	37.6	—	48.0	—	10.4	—
6	3.080	35.5	—	0.3	35.8	—	48.0	—	12.2	—
7	7.348	31.8	—	0.5	32.3	—	48.0	—	15.7	—
8	19.601	25.3	—	0.8	26.1	—	48.0	—	21.9	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

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

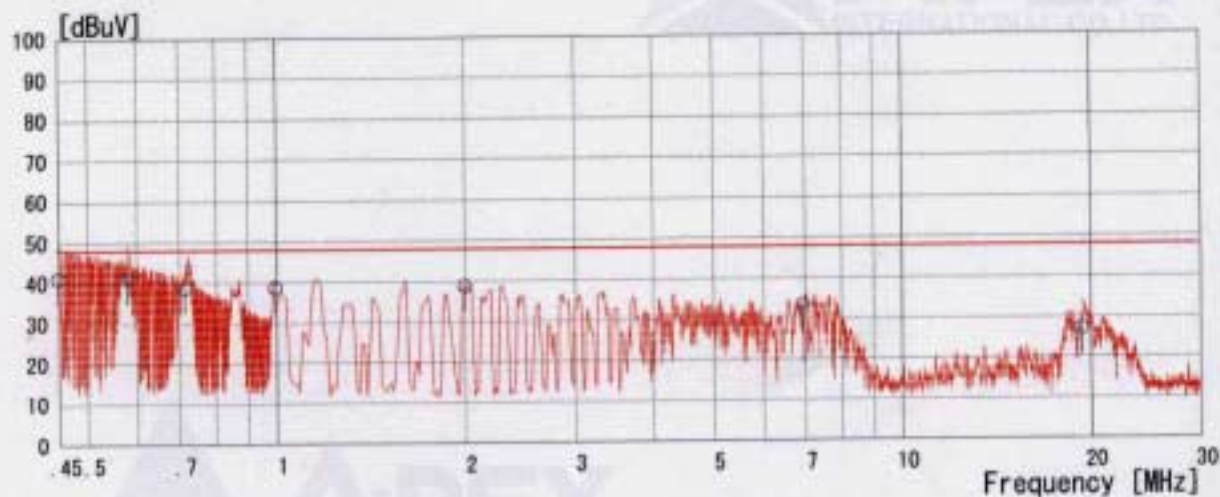
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : PLAYBACK
POWER : AC120V/60Hz
LINE : N
REMARKS : -

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.7	—	0.4	41.1	—	48.0	—	6.9	—
2	0.580	40.8	—	0.3	41.1	—	48.0	—	6.9	—
3	0.716	38.3	—	0.3	38.6	—	48.0	—	9.4	—
4	1.000	38.3	—	0.2	38.5	—	48.0	—	9.5	—
5	2.007	38.4	—	0.3	38.7	—	48.0	—	9.3	—
6	6.963	32.9	—	0.5	33.4	—	48.0	—	14.6	—
7	19.387	26.1	—	0.8	26.9	—	48.0	—	21.1	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF CONDUCTION

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

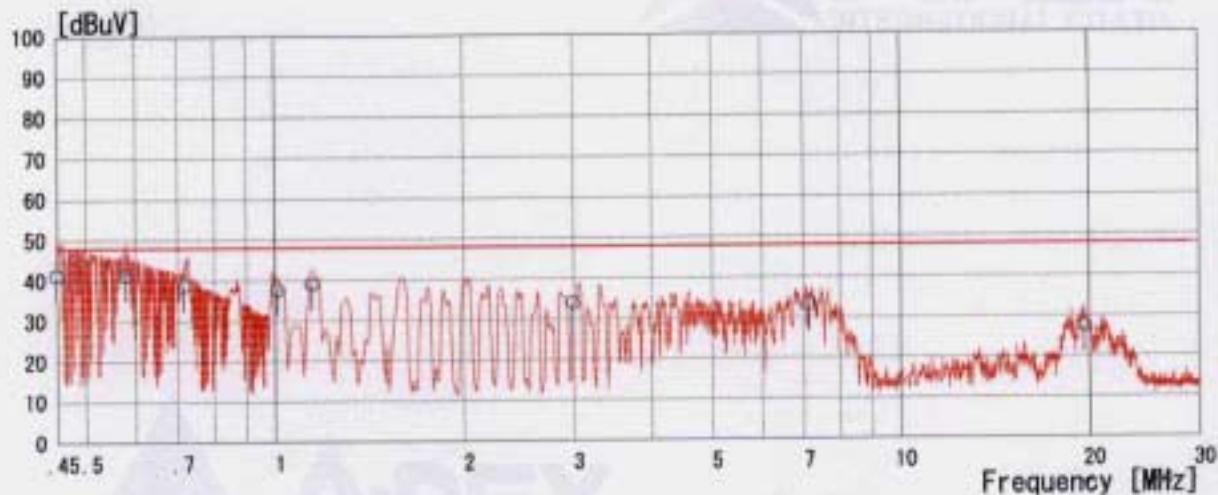
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : PLAYBACK
POWER : AC120V/60Hz
LINE : L
REMARKS : -

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	40.9	—	0.4	41.3	—	48.0	—	6.7	—
2	0.580	41.0	—	0.3	41.3	—	48.0	—	6.7	—
3	0.718	38.4	—	0.3	38.7	—	48.0	—	9.3	—
4	1.013	37.3	—	0.2	37.5	—	48.0	—	10.5	—
5	1.150	38.7	—	0.2	38.9	—	48.0	—	9.1	—
6	3.002	33.6	—	0.3	33.9	—	48.0	—	14.1	—
7	7.154	32.6	—	0.5	33.1	—	48.0	—	14.9	—
8	19.650	26.6	—	0.8	27.4	—	48.0	—	20.6	—

RESULTS=READING+CABLE LOSS+LISN FACTOR



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA No.1 OPEN TEST SITE
 Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
 Kind of Equipment : Video cassette recorder
 Model No. : VHF6010C
 Serial No. :
 Power : AC120V/60Hz
 Mode : Maximum operation
 Remarks : Test channel #3
 Date : 4/17/2001
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 38 %
 Regulation : FCC Part15B CLASS B

H. Tabata
 Engineer : Hiroya Tabata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	61.25	BB	33.6	36.8	8.2	30.3	1.9	5.8	19.2	22.4	40.0	20.8	17.6
2.	65.75	BB	33.6	35.3	7.4	30.3	2.0	5.8	18.5	20.2	40.0	21.5	19.8
3.	122.50	BB	24.1	25.1	13.7	30.2	2.7	5.8	16.1	17.1	43.5	27.4	26.4
4.	245.00	BB	23.1	23.0	17.1	30.2	3.7	5.8	19.5	19.4	46.0	26.5	26.6

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

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

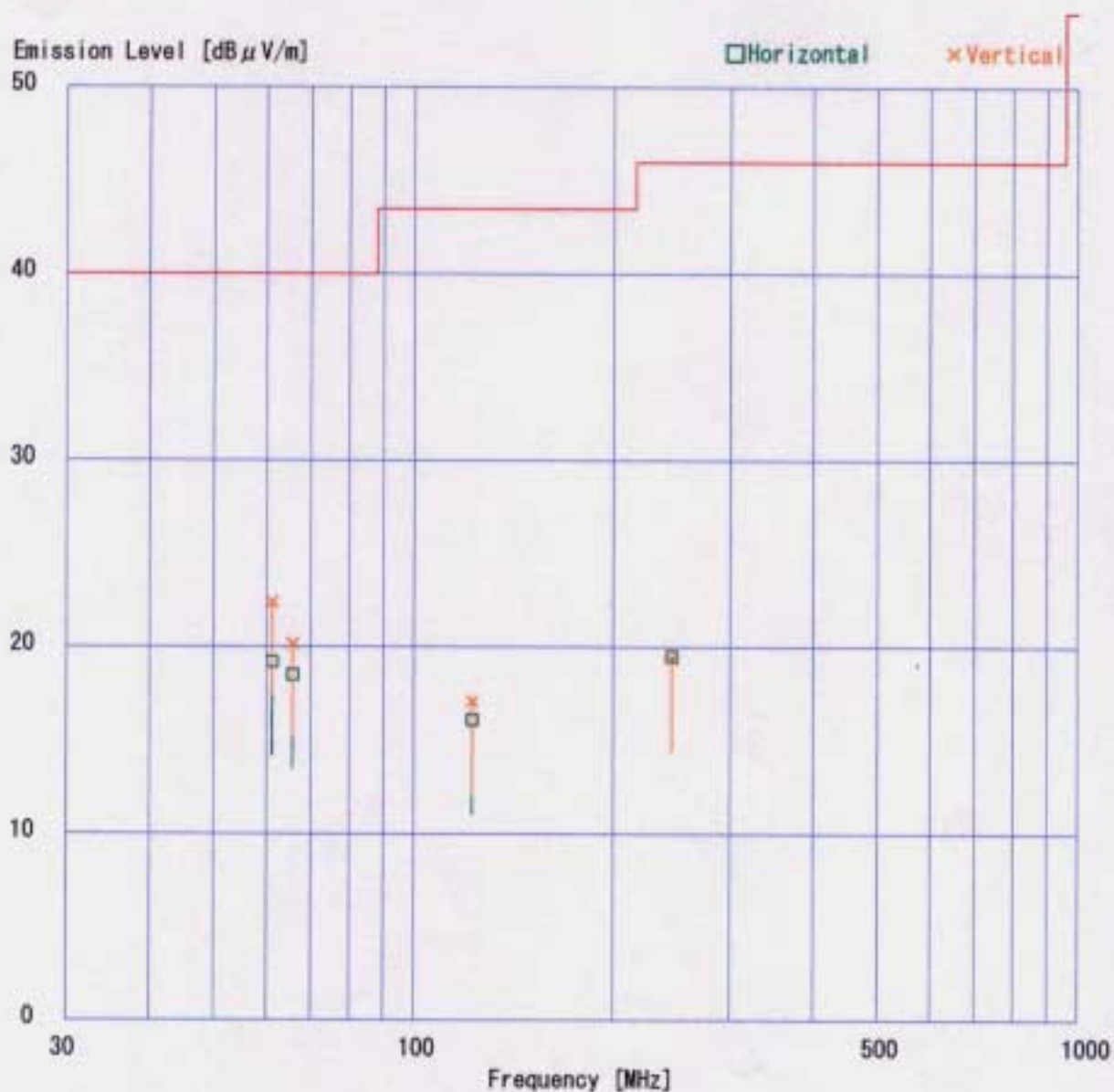
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic, Above 1000MHz Horn

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video cassette recorder
Model No. : VHF6010C
Serial No. :
Power : AC120V/60Hz
Mode : Maximum operation
Remarks : Test channel #3
Date : 4/17/2001
Test Distance : 3 m
Temperature : 21 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B

Engineer : H. Tabata
Hiroya Tabata



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA No.1 OPEN TEST SITE
 Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
 Kind of Equipment : Video cassette recorder
 Model No. : VHF6010C
 Serial No. :
 Power : AC120V/60Hz
 Mode : Maximum operation
 Remarks : Test channel #4
 Date : 4/17/2001
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 38 %
 Regulation : FCC Part15B CLASS B

H. Tabata
 Engineer : Hiroya Tabata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	67.25	BB	45.1	41.3	7.2	30.3	2.0	5.8	29.8	26.0	40.0	10.2	14.0
2.	71.75	BB	31.6	30.3	6.6	30.3	2.0	5.8	15.7	14.4	40.0	24.3	25.6
3.	134.50	BB	24.6	26.8	14.4	30.2	2.9	5.8	17.5	19.7	43.5	26.0	23.8
4.	201.75	BB	24.4	25.1	16.6	30.2	3.3	5.8	19.9	20.6	43.5	23.6	22.9

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

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

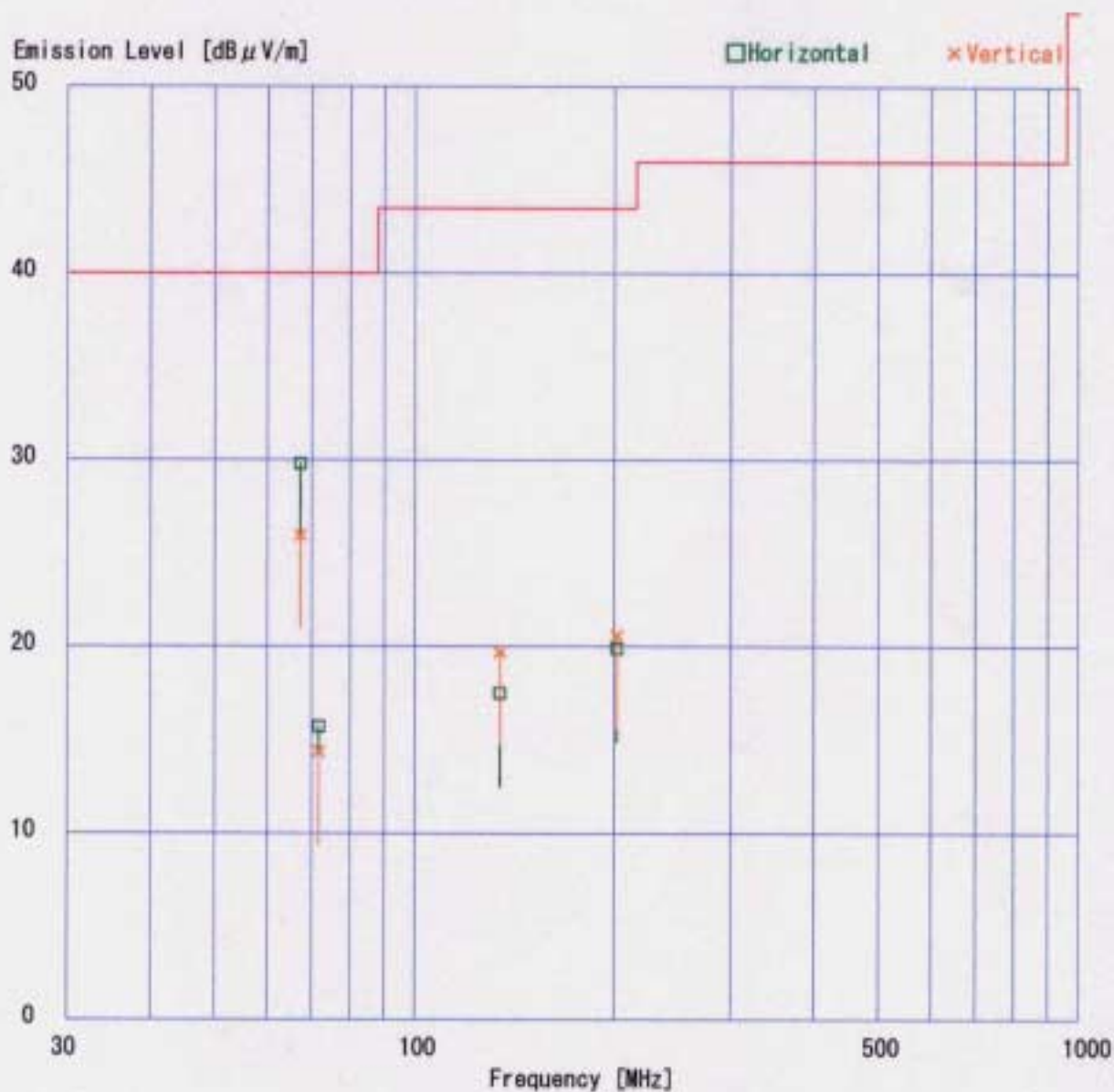
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic, Above 1000MHz Horn

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA No.1 OPEN TEST SITE
 Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
 Kind of Equipment : Video cassette recorder
 Model No. : VHF6010C
 Serial No. :
 Power : AC120V/60Hz
 Mode : Maximum operation
 Remarks : Test channel #4
 Date : 4/17/2001
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 38 %
 Regulation : FCC Part15B CLASS B

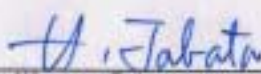
Engineer : H. Tabata
 : Hiroya Tabata



DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA No.1 OPEN TEST SITE
 Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
 Kind of Equipment : Video cassette recorder
 Model No. : VHF6010C
 Serial No. :
 Power : AC120V/60Hz
 Mode : Maximum operation
 Remarks : Other
 Date : 4/17/2001
 Test Distance : 3 m
 Temperature : 21 °C
 Humidity : 38 %
 Regulation : FCC Part15B CLASS B


 Engineer : Hiroya Tabata

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μV/m]	MARGIN	
			HOR [dB μV]	VER [dB μV]					HOR [dB μV/m]	VER [dB μV/m]		HOR [dB]	VER [dB]
1.	57.27	BB	43.3	47.1	9.1	30.3	1.8	5.8	29.7	33.5	40.0	10.3	6.5
2.	85.92	BB	41.1	47.2	7.4	30.3	2.2	5.8	26.2	32.3	40.0	13.8	7.7
3.	88.31	BB	37.3	44.3	7.9	30.3	2.3	5.8	23.0	30.0	43.5	20.5	13.5
4.	114.55	BB	45.6	41.8	12.6	30.3	2.6	5.8	36.3	32.5	43.5	7.2	11.0
5.	143.18	BB	36.6	36.8	14.9	30.2	2.9	5.8	30.0	30.2	43.5	13.5	13.3
6.	171.82	BB	40.3	36.9	15.7	30.2	3.0	5.8	34.6	31.2	43.5	8.9	12.3
7.	200.45	BB	37.5	33.6	16.6	30.2	3.3	5.8	33.0	29.1	43.5	10.5	14.4
8.	585.73	BB	30.3	34.2	19.4	30.7	6.4	5.8	31.2	35.1	46.0	14.8	10.9

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

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

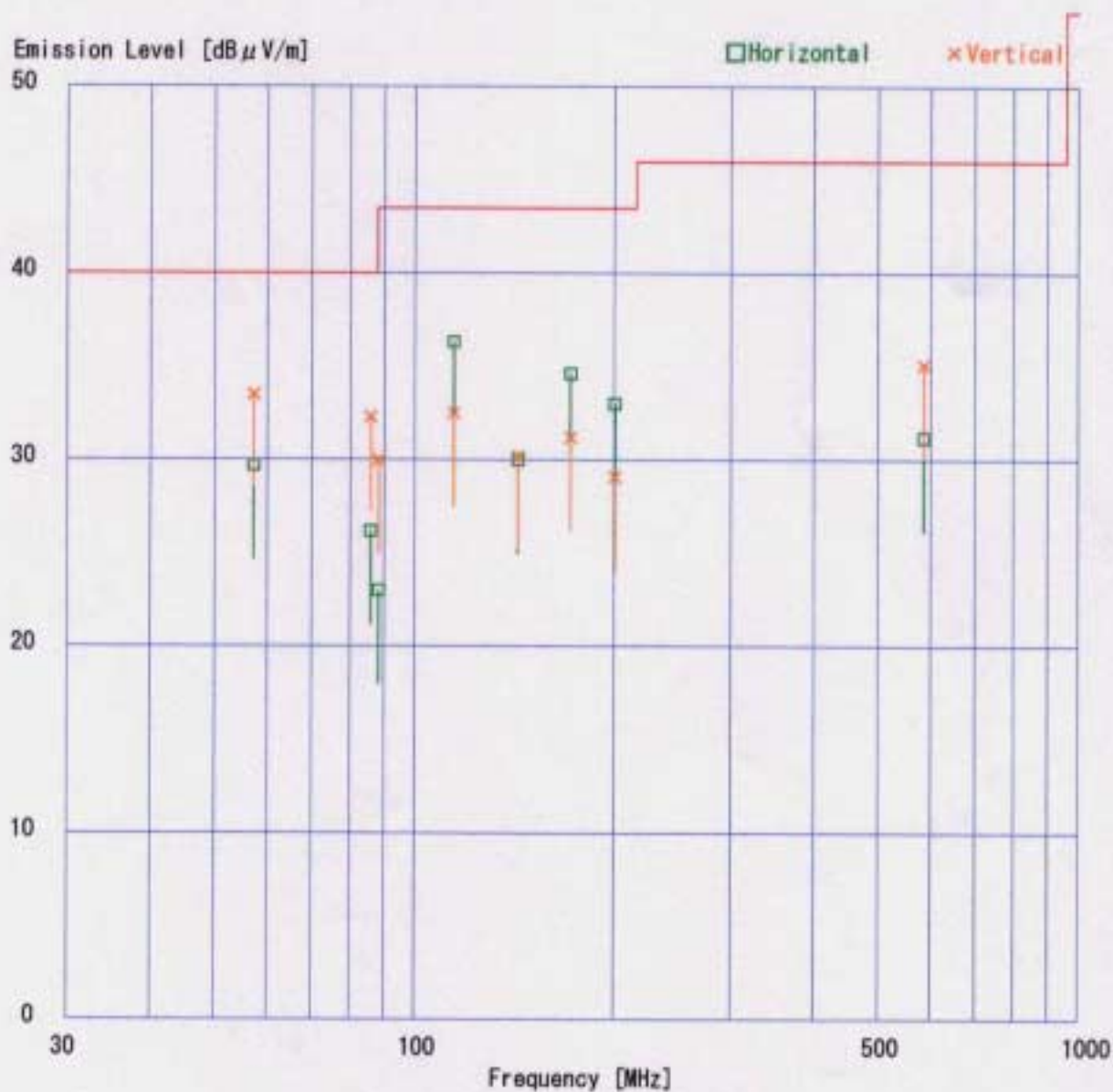
ANT. TYPE: 30-300MHz Biconical, 300-1000MHz Logperiodic, Above 1000MHz Horn

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
YOKOWA No.1 OPEN TEST SITE
Report No. : 211E0016-KT

Applicant : ORION ELECTRIC CO., LTD.
Kind of Equipment : Video cassette recorder
Model No. : VHF6010C
Serial No. :
Power : AC120V/60Hz
Mode : Maximum operation
Remarks : Other
Date : 4/17/2001
Test Distance : 3 m
Temperature : 21 °C
Humidity : 38 %
Regulation : FCC Part15B CLASS B

Engineer : H. Tabata
Hiroya Tabata



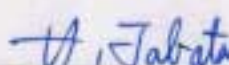
DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.

YOKOWA NO.3 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : Video cassette recorder
 MODEL No. : VHF6010C
 POWER : AC120V/60Hz
 DESCRIPTION : TV RECEPTION MODE

REPORT No. : 211E0016-KT
 REGULATION : FCC PART15 B
 TEST DISTANCE : 3m
 ATTENUATION : 101-847MHz 6dB
 1034-1694MHz 0dB
 DATE : April 17, 2001


 ENGINEER : Hiroya Tabata

CH.	FREQ [MHz]	READING		ANT TYPE	ANT FAC	CABLE LOSS	AMP GAIN	RESULTS		LIMIT	MARGIN	
		HOR.	VER.					HOR.	VER.		HOR.	VER.
		[dBuV]			[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
VHF Fundamental												
2	101	23.5	27.9	BC	10.4	1.8	28.0	13.7	18.1	43.5	29.8	25.4
3	107	23.9	33.9	BC	11.3	1.9	28.1	15.0	25.0	43.5	28.5	18.5
4	113	24.0	33.5	BC	12.3	2.0	28.1	16.2	25.7	43.5	27.3	17.8
5	123	22.5	25.7	BC	13.6	2.1	28.1	16.1	19.3	43.5	27.4	24.2
6	129	22.9	25.8	BC	14.0	2.1	28.1	16.9	19.8	43.5	26.6	23.7
7	221	22.2	21.7	BC	16.7	3.0	27.8	20.1	19.6	46.0	25.9	26.4
8	227	22.4	21.7	BC	16.8	3.0	27.8	20.4	19.7	46.0	25.6	26.3
9	233	22.5	21.7	BC	16.8	3.1	27.8	20.6	19.8	46.0	25.4	26.2
10	239	21.9	21.3	BC	16.9	3.1	27.7	20.2	19.6	46.0	25.8	26.4
11	245	22.1	21.4	BC	17.0	3.2	27.7	20.6	19.9	46.0	25.4	26.1
12	251	21.7	21.2	BC	17.1	3.2	27.7	20.3	19.8	46.0	25.7	26.2
13	257	22.6	22.1	BC	17.4	3.2	27.8	21.4	20.9	46.0	24.6	25.1
VHF 2nd Harmonic												
2	202	21.7	21.6	BC	16.5	2.8	28.1	18.9	18.8	43.5	24.6	24.7
3	214	21.8	21.6	BC	16.6	2.9	27.9	19.4	19.2	43.5	24.1	24.3
4	226	27.1	22.4	BC	16.8	3.0	27.8	25.1	20.4	46.0	20.9	25.6
5	246	21.3	21.2	BC	17.0	3.2	27.7	19.8	19.7	46.0	26.2	26.3
6	258	22.1	21.0	BC	17.4	3.2	27.8	20.9	19.8	46.0	25.1	26.2
7	442	21.2	21.3	LP	16.3	4.5	27.9	20.1	20.2	46.0	25.9	25.8
8	454	21.7	21.3	LP	16.5	4.5	27.9	20.8	20.4	46.0	25.2	25.6
9	466	23.8	22.2	LP	16.7	4.6	27.8	23.3	21.7	46.0	22.7	24.3
10	478	22.0	23.1	LP	16.9	4.7	27.6	22.0	23.1	46.0	24.0	22.9
11	490	21.2	21.5	LP	17.1	4.8	27.7	21.4	21.7	46.0	24.6	24.3
12	502	24.0	24.2	LP	17.2	4.8	27.8	24.2	24.4	46.0	21.8	21.6
13	514	23.6	25.8	LP	17.3	4.9	27.9	23.9	26.1	46.0	22.1	19.9

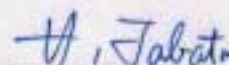
DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.

YOKOWA NO.3 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : Video cassette recorder
 MODEL No. : VHF6010C
 POWER : AC120V/60Hz
 DESCRIPTION : TV RECEPTION MODE

REPORT No. : 21IE0016-KT
 REGULATION : FCC PART15 B
 TEST DISTANCE : 3m
 ATTENUATION : 101-847MHz 6dB
 1034-1694MHz 0dB
 DATE : April 17, 2001


 ENGINEER : Hiroya Tabata

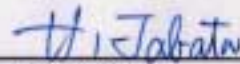
CH	FREQ	READING	VER.	ANT	ANT	CABLE	AMP	RESULTS	LIMIT	MARGIN	VER.
	[MHz]	HOR		TYPE	FAC	LOSS	GAIN	HOR	[dBuV/m]	HOR	
		[dBuV]			[dB]	[dB]	[dB]		[dBuV/m]	[dB]	[dB]
CATV Fundamental											
1	119	23.7	28.1	BC	13.2	2.1	28.2	16.8	21.2	43.5	26.7
95	137	22.6	26.2	BC	14.5	2.3	28.0	17.4	21.0	43.5	26.1
97	149	21.5	24.3	BC	14.8	2.4	27.8	16.9	19.7	43.5	26.6
99	161	21.4	22.5	BC	15.1	2.5	27.8	17.2	18.3	43.5	26.3
14	167	21.4	23.0	BC	15.4	2.5	27.7	17.6	19.2	43.5	25.9
18	191	21.8	21.9	BC	16.3	2.7	28.0	18.8	18.9	43.5	24.7
22	215	22.4	21.4	BC	16.7	2.9	27.9	20.1	19.1	43.5	23.4
23	263	21.0	21.0	BC	17.7	3.2	27.9	20.0	20.0	46.0	26.0
29	299	21.0	21.0	BC	19.6	3.5	27.9	22.2	22.2	46.0	23.8
36	341	33.0	24.4	LP	14.9	3.9	27.9	29.9	21.3	46.0	16.1
37	347	30.2	25.9	LP	15.0	4.0	27.9	27.3	23.0	46.0	18.7
65	515	29.8	33.2	LP	17.4	4.9	27.9	30.2	33.6	46.0	15.8
94	689	29.4	26.5	LP	20.2	5.7	27.2	34.1	31.2	46.0	11.9
100	695	29.7	27.2	LP	20.4	5.8	27.1	34.8	32.3	46.0	11.2
113	773	27.9	24.2	LP	20.5	6.5	27.1	33.8	30.1	46.0	12.2
125	845	29.4	25.8	LP	21.3	6.8	27.1	36.4	32.8	46.0	9.6
CATV 2nd Harmonic											
1	238	21.4	21.4	BC	16.9	3.1	27.7	19.7	19.7	46.0	26.3
95	274	21.0	21.0	BC	18.3	3.3	28.0	20.6	20.6	46.0	25.4
97	298	20.9	20.9	BC	19.6	3.5	27.9	22.1	22.1	46.0	23.9
99	322	21.2	21.7	LP	14.6	3.7	27.6	17.9	18.4	46.0	28.1
14	334	21.7	21.5	LP	14.8	3.8	27.7	18.6	18.4	46.0	27.4
18	382	24.1	21.6	LP	15.4	4.2	27.8	21.9	19.4	46.0	24.1
22	430	21.3	21.3	LP	16.2	4.4	27.8	20.1	20.1	46.0	25.9
23	526	20.4	20.4	LP	17.5	4.9	27.9	20.9	20.9	46.0	25.1
29	598	20.2	20.2	LP	18.2	5.3	27.7	22.0	22.0	46.0	24.0
36	682	20.1	20.3	LP	20.1	5.7	27.4	24.5	24.7	46.0	21.5
37	694	20.1	20.1	LP	20.4	5.8	27.1	25.2	25.2	46.0	20.8
65	1030	37.2	39.5	HO	23.7	4.4	35.4	29.9	32.2	54.0	24.1
94	1378	43.8	43.0	HO	24.8	5.1	34.9	38.8	38.0	54.0	15.2
100	1390	43.4	42.6	HO	24.8	5.1	34.9	38.4	37.6	54.0	15.6
113	1546	40.9	49.1	HO	25.4	5.4	34.7	37.0	45.2	54.0	17.0
125	1690	38.8	42.8	HO	26.2	5.7	34.6	36.1	40.1	54.0	17.9

DATA OF RADIATION TEST

A-PEX INTERNATIONAL CO., LTD.
 YOKOWA NO.3 OPEN TEST SITE

COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : Video cassette recorder
 MODEL No. : VHF6010C
 POWER : AC120V/60Hz
 DESCRIPTION : TV RECEPTION MODE

REPORT No. : 21IE0016-KT
 REGULATION : FCC PART15 B
 TEST DISTANCE : 3m
 ATTENUATION : 101-847MHz 6dB
 1034-1694MHz 0dB
 DATE : April 17, 2001

ENGINEER :  Hiroya Tabata

CH	FREQ	READING		ANT TYPE	ANT. FAC	CABLE LOSS	AMP GAIN	RESULTS		LIMIT	MARGIN	
	[MHz]	HOR.	VER.					[dBuV]	[dBuV/m]		HOR.	VER.
UHF Fundamental												
14	517	32.1	34.2	LP	17.4	4.9	27.9	32.5	34.6	46.0	13.5	11.4
19	547	32.2	29.0	LP	17.7	5.1	27.5	33.5	30.3	46.0	12.5	15.7
28	601	26.9	24.5	LP	18.2	5.3	27.7	28.7	26.3	46.0	17.3	19.7
36	649	25.0	28.1	LP	19.3	5.5	27.2	28.6	31.7	46.0	17.4	14.3
44	697	30.9	28.5	LP	20.4	5.8	27.1	36.0	33.6	46.0	10.0	12.4
53	751	31.7	27.1	LP	20.5	6.2	27.4	37.0	32.4	46.0	9.0	13.6
61	799	29.7	27.1	LP	20.5	6.5	26.9	35.8	33.2	46.0	10.2	12.8
69	847	30.9	27.8	LP	21.3	6.8	27.1	37.9	34.8	46.0	8.1	11.2
UHF 2nd Harmonic												
14	1034	38.3	39.5	HO	23.7	4.4	35.4	31.0	32.2	54.0	23.0	21.8
19	1094	40.3	41.9	HO	23.9	4.5	35.3	33.4	35.0	54.0	20.6	19.0
28	1202	46.9	49.2	HO	24.2	4.7	35.1	40.7	43.0	54.0	13.3	11.0
36	1298	42.5	43.4	HO	24.6	4.9	35.0	37.0	37.9	54.0	17.0	16.1
44	1394	43.0	44.0	HO	24.9	5.1	34.9	38.1	39.1	54.0	15.9	14.9
53	1502	42.1	49.1	HO	25.2	5.3	34.7	37.9	44.9	54.0	16.1	9.1
61	1598	38.6	44.2	HO	25.7	5.5	34.6	35.2	40.8	54.0	18.8	13.2
69	1694	39.5	43.1	HO	26.2	5.7	34.6	36.8	40.4	54.0	17.2	13.6

DATA OF ANTENNA TERMINAL

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

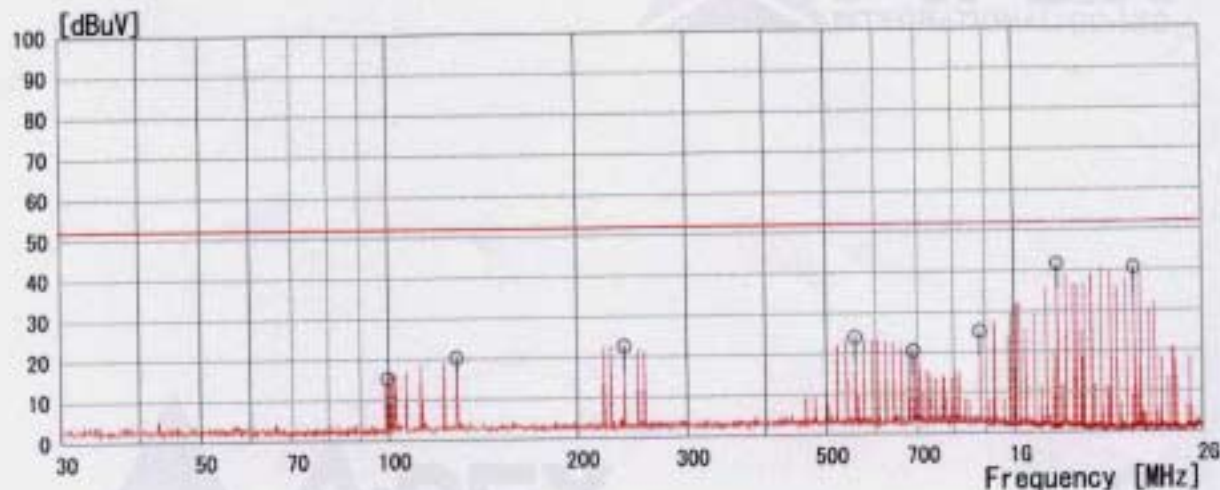
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : CHANNEL SEARCH
POWER : AC120V/60Hz
PORT : ANTENNA TERMINAL
REMARKS : TV MODE

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART B
TEST No. : 1

TEST ENGINEER: Hisayuki Kikuchi

No.	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN	
		QP [dBuV]	AV [dB]		QP [dBuV]	AV [dB]	QP [dBuV]	AV [dB]	QP [dB]	AV [dB]
1	99.900	35.6	—	-20.4	15.2	—	52.0	—	36.8	—
2	128.900	40.5	—	-20.4	20.2	—	52.0	—	31.8	—
3	239.100	42.9	—	-20.3	22.5	—	52.0	—	29.5	—
4	559.400	44.3	—	-20.3	24.0	—	52.0	—	28.0	—
5	692.000	40.8	—	-20.3	20.5	—	52.0	—	31.5	—
6	884.300	45.4	—	-20.3	25.1	—	52.0	—	26.9	—
7	1177.100	70.4	—	-28.8	41.6	—	52.0	—	10.4	—
8	1561.400	69.5	—	-28.9	40.5	—	52.0	—	11.5	—

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



DATA OF ANTENNA TERMINAL

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

COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : CHANNEL SEARCH
POWER : AC120V/60Hz
PORT : ANTENNA TERMINAL
REMARKS : CATV MODE

REPORT No. : 211E0016-KT
DATE : APRIL 19, 2001
REGULATION : FCC PART15 SUPART 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	100.000	35.9	—	-20.4	15.5	—	52.0	—	36.5	—
2	195.700	42.6	—	-20.3	22.2	—	52.0	—	29.8	—
3	232.000	42.6	—	-20.3	22.2	—	52.0	—	29.8	—
4	459.400	40.8	—	-20.3	20.5	—	52.0	—	31.5	—
5	561.700	43.7	—	-20.3	23.4	—	52.0	—	28.6	—
6	811.400	49.6	—	-20.3	29.3	—	52.0	—	22.7	—
7	975.600	50.8	—	-20.3	30.5	—	52.0	—	21.5	—
8	1182.900	70.3	—	-28.8	41.5	—	52.0	—	10.5	—
9	1579.300	69.4	—	-28.9	40.5	—	52.0	—	11.5	—

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



SRURIOUS FROM RF OUTPUT TERMINAL

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

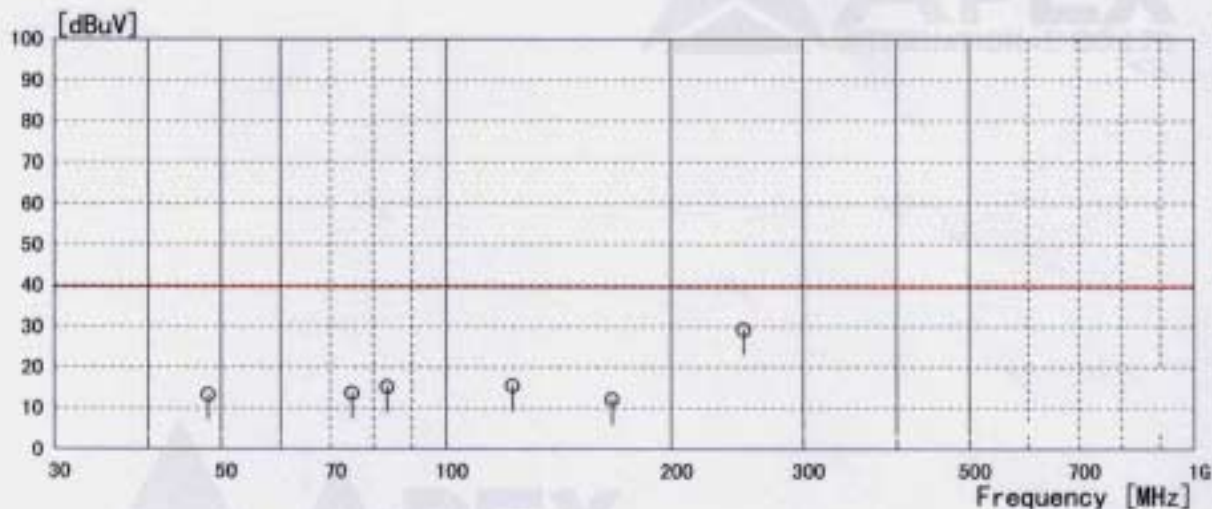
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC (3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 0dBmV

REPORT No. : 211E0016-KT
DATE : APRIL 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST NO. : 1

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	48.110	33.6	—	-20.4	13.2	—	39.5	—	26.3	—
2	74.840	34.0	—	-20.4	13.6	—	39.5	—	25.9	—
3	83.410	35.8	—	-20.4	15.2	—	39.5	—	24.3	—
4	122.620	35.8	—	-20.4	15.4	—	39.5	—	24.1	—
5	166.680	32.5	—	-20.4	12.1	—	39.5	—	27.4	—
6	250.030	49.6	—	-20.3	29.2	—	39.5	—	10.3	—

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



SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

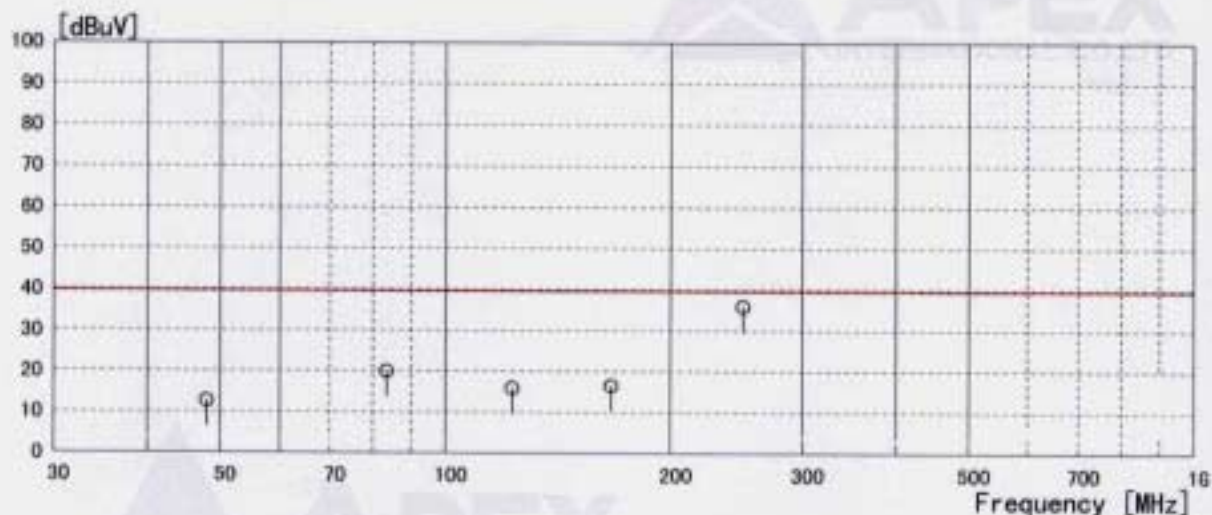
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPEMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC (3CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV

REPORT No. : 211E0016-KT
DATE : APRIL 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	48.030	33.0	—	-20.4	12.7	—	39.5	—	26.8	—
2	83.450	40.3	—	-20.4	20.0	—	39.5	—	19.6	—
3	122.770	36.2	—	-20.4	15.8	—	39.5	—	23.7	—
4	166.550	36.8	—	-20.4	16.5	—	39.5	—	23.0	—
5	249.970	56.2	—	-20.3	35.9	—	39.5	—	3.6	—

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



SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

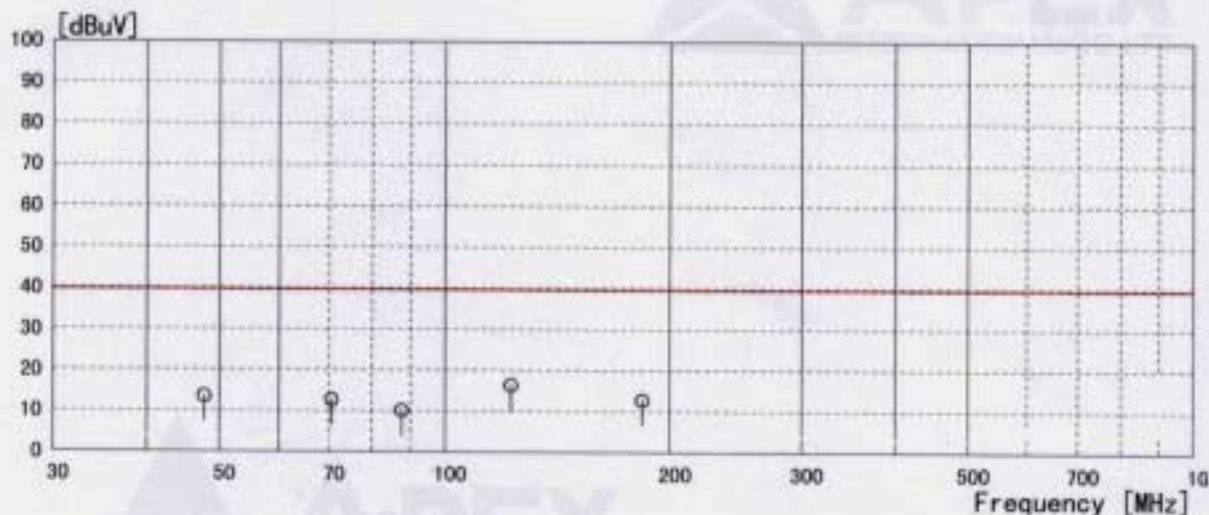
COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPEMENT : VIDEO CASSETTE RECORDER
 MODEL NAME : VHF6010C
 OPERATION MODE : AV INPUT+REC (3CH OUTPUT)
 PORT : RF OUTPUT TERMINAL
 POWER : AC120V/60Hz
 REMARKS : 1Vp-p INPUT

REPORT No. : 211E0016-KT
 DATE : APRIL 20, 2001
 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	47.750	33.9	—	-20.4	13.5	—	39.5	—	26.0	—
2	70.590	33.0	—	-20.4	12.6	—	39.5	—	26.9	—
3	87.630	30.5	—	-20.4	10.1	—	39.5	—	29.4	—
4	122.560	36.6	—	-20.4	16.2	—	39.5	—	23.3	—
5	183.670	33.1	—	-20.4	12.7	—	39.5	—	26.8	—

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



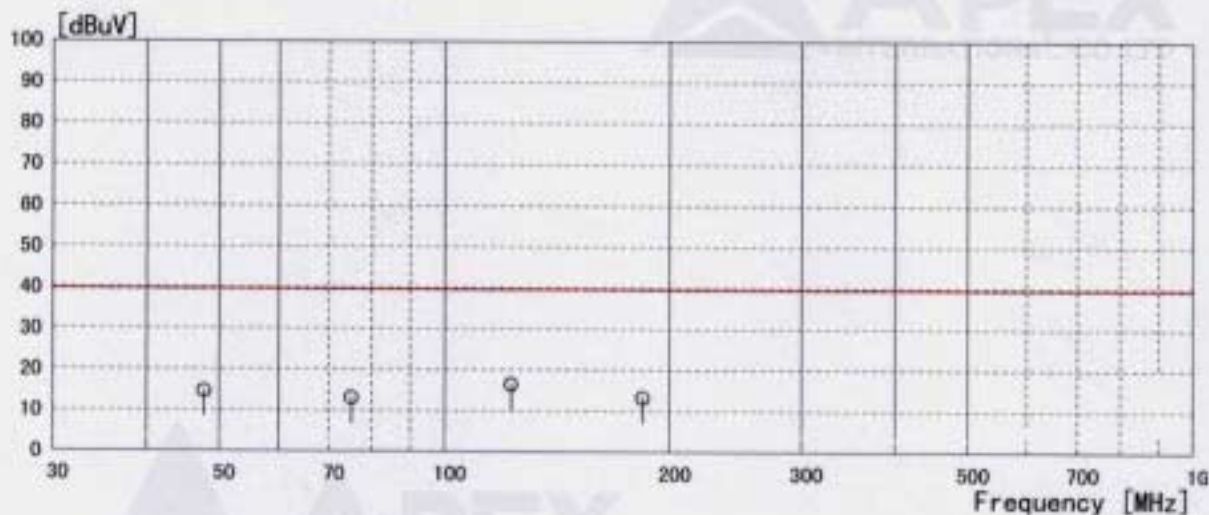
SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : VIDEO CASSETTE RECORDER
 MODEL NAME : VHF6010C
 OPERATION MODE : AV INPUT+REC (3CH OUTPUT)
 PORT : RF OUTPUT TERMINAL
 POWER : AC120V/60Hz
 REMARKS : 5Vp-p INPUT

REPORT No. : 211E0018-KT
 DATE : APRIL 20, 2001
 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]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]
1	47.750	35.0	—	-20.4	14.6	—	39.5	—	24.9	—
2	75.140	33.4	—	-20.4	13.0	—	39.5	—	26.5	—
3	122.730	36.7	—	-20.4	16.4	—	39.5	—	23.1	—
4	184.120	33.6	—	-20.4	13.2	—	39.5	—	26.3	—

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


SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

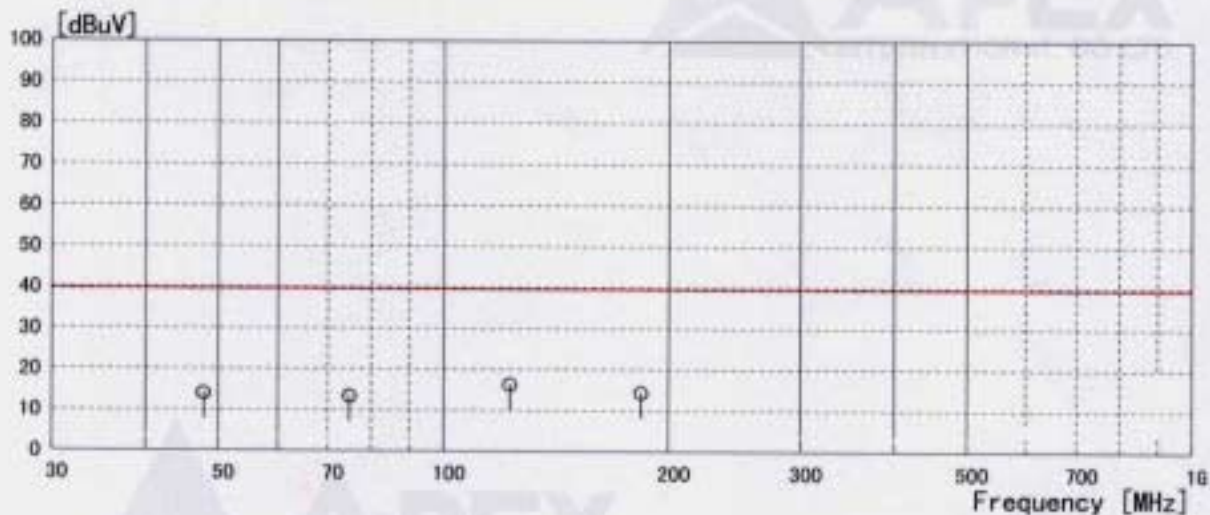
COMPANY : ORION ELECTRIC CO., LTD.
 EQUIPMENT : VIDEO CASSETTE RECORDER
 MODEL NAME : VHF6010C
 OPERATION MODE : PLAYBACK (3CH OUTPUT)
 PORT : RF OUTPUT TERMINAL
 POWER : AC120V/60Hz
 REMARKS : -

REPORT No. : 211E0016-KT
 DATE : APRIL 20, 2001
 REGULATION : FCC PART15 SUBPART B
 TEST NO. : 5

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	47.860	34.3	—	-20.4	14.0	—	39.5	—	25.5	—
2	74.910	33.8	—	-20.4	13.4	—	39.5	—	26.1	—
3	122.650	36.6	—	-20.4	16.2	—	39.5	—	23.3	—
4	183.750	34.7	—	-20.4	14.3	—	39.5	—	25.2	—

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



SRURIOUS FROM RF OUTPUT TERMINAL

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

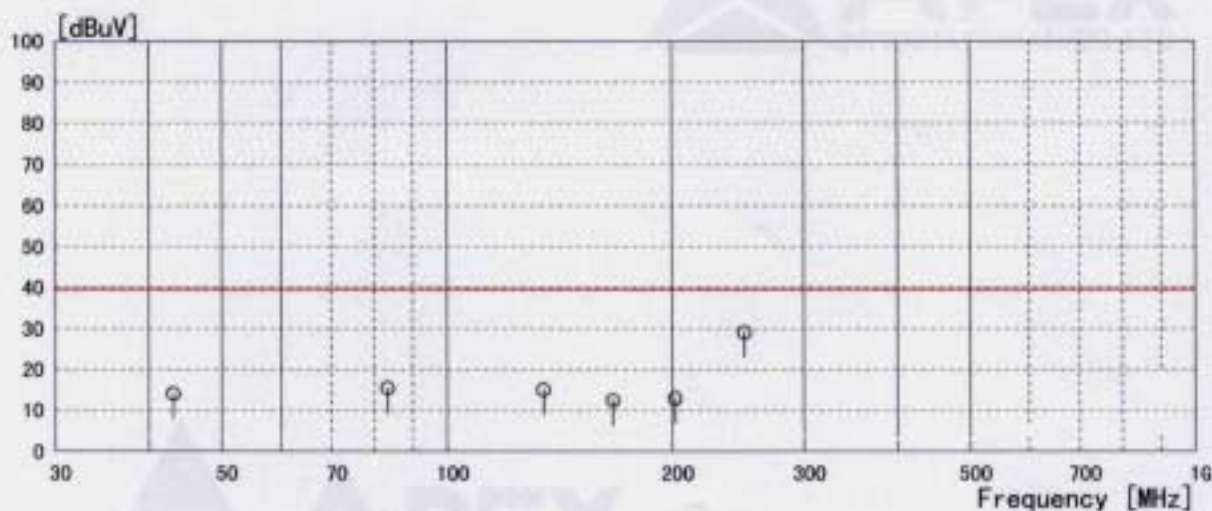
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF8010C
OPERATION MODE : RECEIVE+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 0dBmV

REPORT No. : 211E0016-KT
DATE : APRIL 20, 2001
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	43.120	34.4	—	-20.4	14.1	—	39.5	—	25.4	—
2	83.340	35.8	—	-20.4	15.4	—	39.5	—	24.1	—
3	134.580	35.4	—	-20.4	15.0	—	39.5	—	24.5	—
4	166.610	32.8	—	-20.4	12.5	—	39.5	—	27.0	—
5	201.890	33.3	—	-20.3	12.9	—	39.5	—	26.6	—
6	249.950	49.4	—	-20.3	29.1	—	39.5	—	10.4	—

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



SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

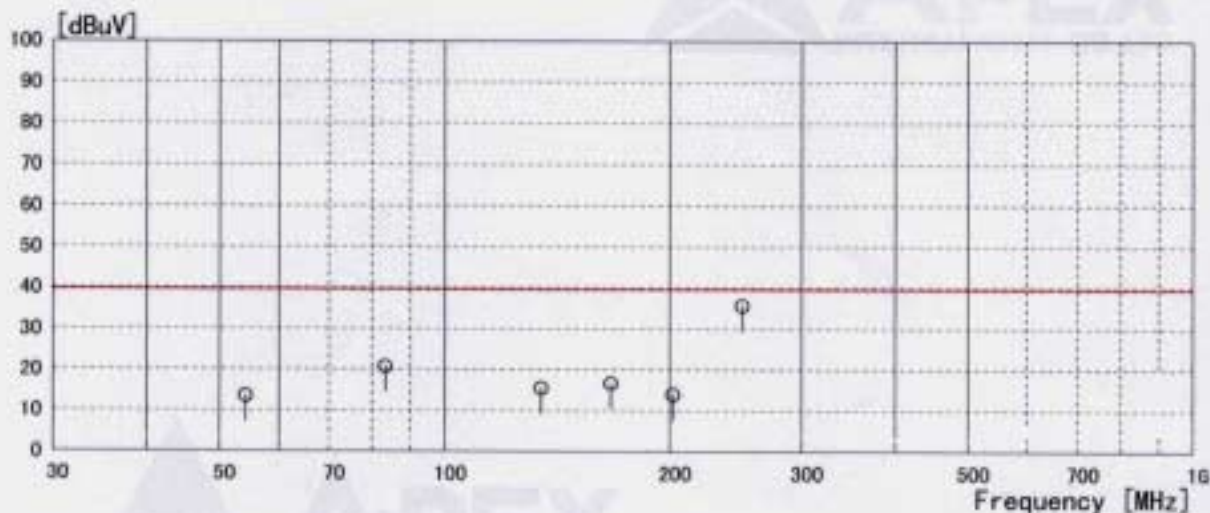
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : RECEIVE+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 25dBmV

REPORT No. : 211E0016-KT
DATE : APRIL 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]		[dB]	
1	54.260	33.8	—	-20.4	13.5	—	39.5	—	26.0	—
2	83.360	41.1	—	-20.4	20.7	—	39.5	—	18.8	—
3	134.620	35.8	—	-20.4	15.4	—	39.5	—	24.1	—
4	166.740	37.0	—	-20.4	16.6	—	39.5	—	22.9	—
5	201.950	34.2	—	-20.3	13.9	—	39.5	—	25.6	—
6	249.860	55.9	—	-20.3	35.6	—	39.5	—	3.9	—

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



SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

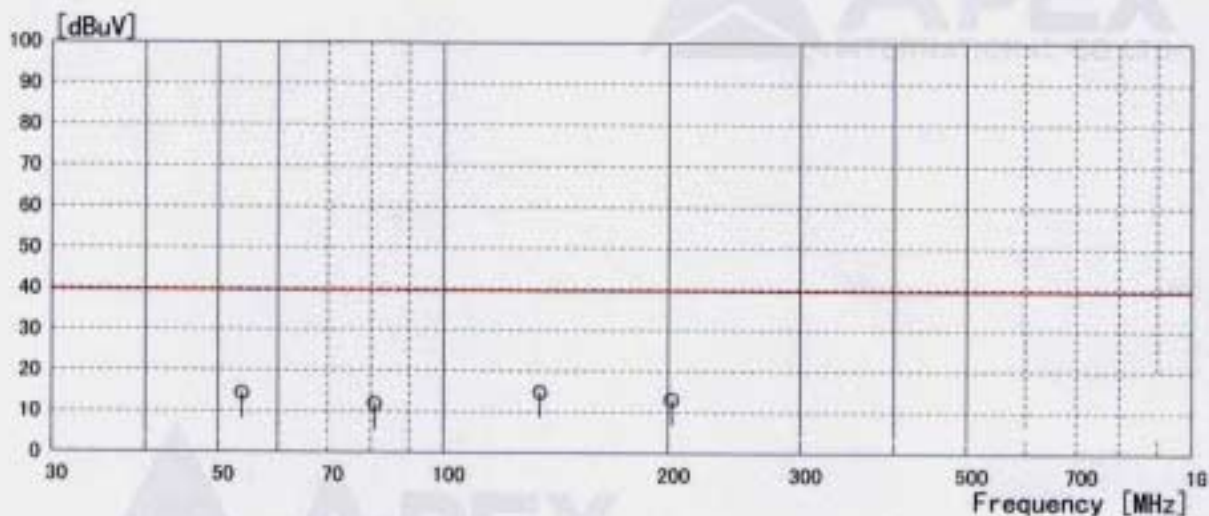
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 1Vp-p INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 20, 2001
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]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]
1	53.840	34.7	—	-20.4	14.4	—	39.5	—	25.1	—
2	80.990	32.2	—	-20.4	11.8	—	39.5	—	27.7	—
3	134.660	35.1	—	-20.4	14.7	—	39.5	—	24.8	—
4	201.910	33.4	—	-20.3	13.1	—	39.5	—	26.4	—

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



SRURIOUS FROM RF OUTPUT TERMINALA-PEX INTERNATIONAL CO., LTD.
KANTO OFFICE EMC LAB.

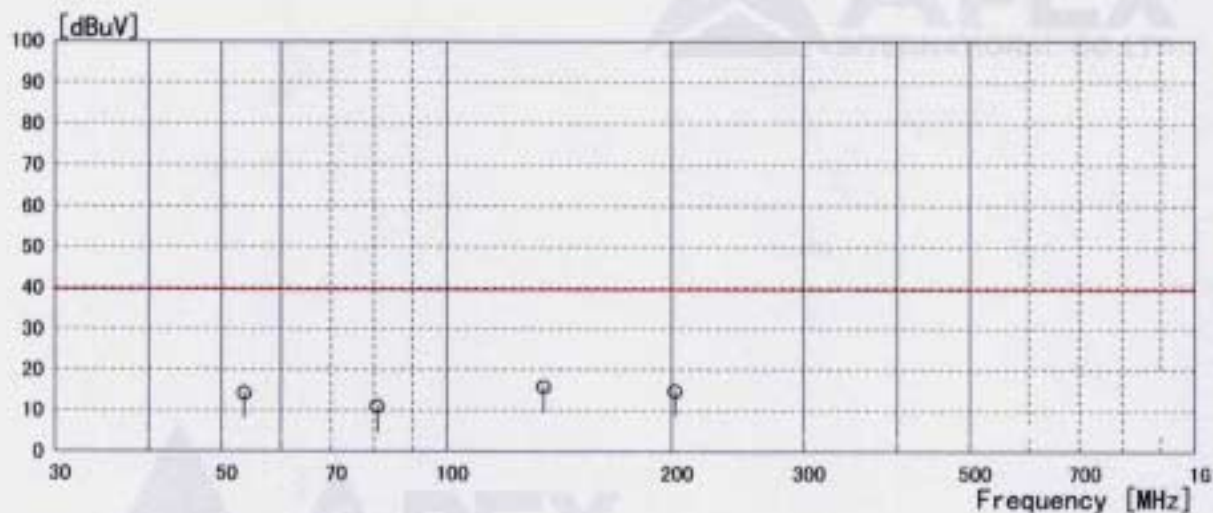
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : AV INPUT+REC (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : 5Vp-p INPUT

REPORT No. : 211E0016-KT
DATE : APRIL 20, 2001
REGULATION : FCC PART15 SUBPART B
TEST NO. : 9

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	53.710	34.6	—	-20.4	14.2	—	39.5	—	25.3	—
2	80.770	31.3	—	-20.4	11.0	—	39.5	—	28.6	—
3	134.770	36.2	—	-20.4	15.8	—	39.5	—	23.7	—
4	202.040	35.1	—	-20.3	14.7	—	39.5	—	24.8	—

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



SRURIOUS FROM RF OUTPUT TERMINAL

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

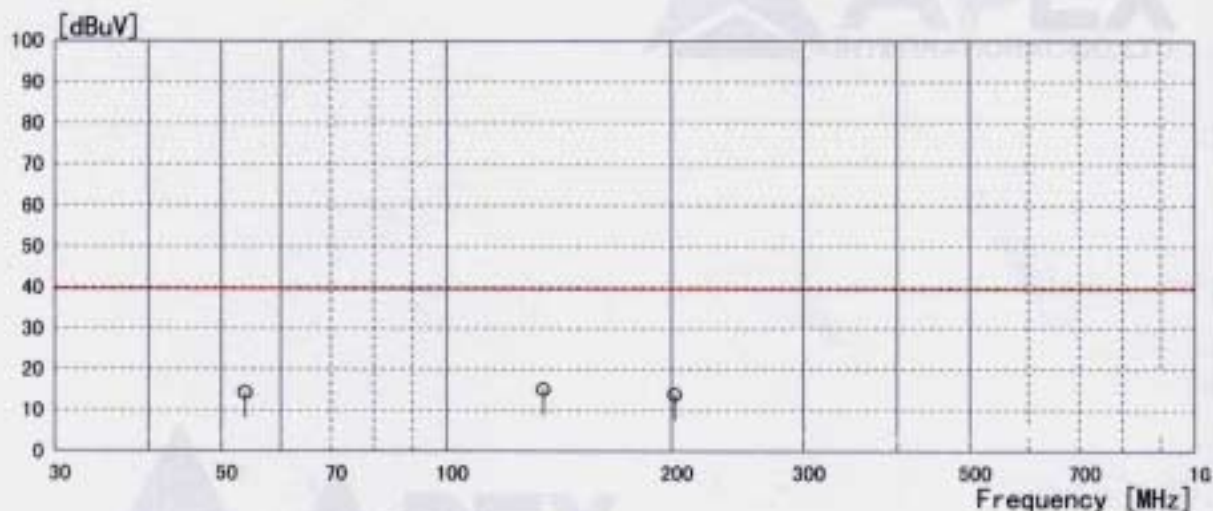
COMPANY : ORION ELECTRIC CO., LTD.
EQUIPMENT : VIDEO CASSETTE RECORDER
MODEL NAME : VHF6010C
OPERATION MODE : PLAYBACK (4CH OUTPUT)
PORT : RF OUTPUT TERMINAL
POWER : AC120V/60Hz
REMARKS : -

REPORT No. : 211E0016-KT
DATE : APRIL 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	53.820	34.6	—	-20.4	14.2	—	39.5	—	25.3	—
2	134.690	35.4	—	-20.4	15.1	—	39.5	—	24.4	—
3	201.750	34.2	—	-20.3	13.8	—	39.5	—	25.7	—

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.
 Equipment : Video Cassette Recorder
 Model number : VHF6010C
 Power : AC 120 V / 60 Hz
 Description : Receive + Rec. mode (0 dBmV)

Report Number : 21IE0016-KT
 Regulation : FCC Part 15 Subpart B
 Date : April 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	86.2	20.4	65.8	69.5	3.7
4	67.25	86.5	20.4	66.1	69.5	3.4

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	69.7	20.4	49.3	56.5	7.2
	65.75	70.0	20.4	49.6	56.5	6.9
4	62.75	69.9	20.4	49.5	56.5	7.0
	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 : VHF6010C
Power : AC 120 V / 60 Hz
Description : Receive + Rec. mode (25 dBmV)

Report Number : 21IE0016-KT
Regulation : FCC Part 15 Subpart B
Date : April 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	86.1	20.4	65.7	69.5	3.8
4	67.25	86.4	20.4	66.0	69.5	3.5

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	69.5	20.4	49.1	56.5	7.4
	65.75	70.0	20.4	49.6	56.5	6.9
4	62.75	69.8	20.4	49.4	56.5	7.1
	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 : VHF6010C
 Power : AC 120 V / 60 Hz
 Description : AV Input + Rec. mode (1 Vp-p)

Report Number : 21IE0016-KT
 Regulation : FCC Part 15 Subpart B
 Date : April 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	86.6	20.4	66.2	69.5	3.3

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	70.1	20.4	49.7	56.5	6.8
	65.75	70.3	20.4	49.9	56.5	6.6
4	62.75	70.3	20.4	49.9	56.5	6.6
	71.75	70.1	20.4	49.7	56.5	6.8



RF output level

A-PEX INTERNATIONAL CO., LTD.

Kanto office EMC Lab.

Company : ORION ELECTRIC CO.,LTD.
 Equipment : Video Cassette Recorder
 Model number : VHF6010C
 Power : AC 120 V / 60 Hz
 Description : AV Input + Rec. mode (5 Vp-p)

Report Number : 21IE0016-KT
 Regulation : FCC Part 15 Subpart B
 Date : April 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	86.3	20.4	65.9	69.5	3.6
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	69.5	20.4	49.1	56.5	7.4
	65.75	69.8	20.4	49.4	56.5	7.1
4	62.75	69.7	20.4	49.3	56.5	7.2
	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 : VHF6010C
 Power : AC 120 V / 60 Hz
 Description : Playback mode

Report Number : 21IE0016-KT
 Regulation : FCC Part 15 Subpart B
 Date : April 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	86.9	20.4	66.5	69.5	3.0

Audio signal

Ch.	Frequency [MHz]	Meter reading [dBuV]	Correction factor [dB]	Result [dB]	Limits [dBuV]	Margin [dB]
3	56.75	5.0	20.4	-15.4	56.5	71.9
	65.75	70.0	20.4	49.6	56.5	6.9
4	62.75	69.8	20.4	49.4	56.5	7.1
	71.75	69.8	20.4	49.4	56.5	7.1



Picture sensitivity test

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

Company	: ORION ELECTRIC CO.,LTD.
Equipment	: Video Cassette Recorder
Model number	: VHF6010C
Power	: AC 120 V / 60 Hz.
Description	: Receive mode

Report Number : 211E0016-KT
Regulation : FCC Part 15 Subpart B
Date : April 23, 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	27.0	22.4
6	83.25	22.2	12.9	44	651.25	29.6	30.2
7	175.25	22.0	12.6	69	801.25	29.1	28.5
13	211.25	22.4	13.2				
Average VHF			12.2	Average UHF			27.9
Average UHF/VHF : $20 \log \text{UHF[uV]}/\text{VHF[uV]} = 6.9 \text{ dB}$							

[Limit : 8.0 dB]



Noise figure test

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

Company : ORION ELECTRIC CO.,LTD.
Equipment : Video Cassette Recorder
Model number : VHF6010C
Power : AC 120 V / 60 Hz
Description : Receive mode

Report number : 21IE0016-KT
Regulation : FCC Part 15 Subpart B
Date : April 23, 2001

Engineer


Hisayuki Kioka

Ch.	Frequency [MHz]	Meter reading [dB]	Correction factor [dB]	Noise figure [dB]	Limits [dB]	Margin [dB]
TV UHF Fundamental						
14	471.25	7.0	0.8	6.2	14.0	7.8
20	507.25	7.2	0.8	6.4	14.0	7.6
26	543.25	8.0	0.8	7.2	14.0	6.8
32	576.25	7.8	0.9	6.9	14.0	7.1
28	615.25	7.7	0.9	6.8	14.0	7.2
44	651.25	8.4	0.9	7.5	14.0	6.5
50	687.25	8.8	1.0	7.8	14.0	6.2
56	723.25	9.3	1.0	8.3	14.0	5.7
62	759.25	9.5	1.1	8.4	14.0	5.6
69	801.25	9.9	1.1	8.8	14.0	5.2