

[REPORT OF MEASUREMENTS ON TV INTERFACE DEVICE]

Date : April 03, 1998
Issued at : Kanagawa Japan

REPORT No. : JYT98004

1. Applicant : Victor Company of Japan, Ltd.
12, 3-chome, Moriya-cho, Kanagawa-ku,
Yokohama, Kanagawa 221-8528, JAPAN
2. Description of the Equipment Under Test (EUT) : Videocassette recorder
 - 2.1 FCC ID : ASIPBJ044
 - 2.2 Brand (Trade Name) : JVC
 - 2.3 Model No. : VR988/50
 - 2.4 Serial No. : TS000012
 - 2.5 Designes for RF Output Channels : Channel #3 and Channel #4
 - 2.6 Number of RF Output Terminals : 1 (F-type Connector)
 - 2.7 RF Output Impedance : 75 ohms (Unbalanced)
 - 2.8 Power Supply : AC 120 V, 60Hz
 - 2.9 Date of Manufacturer : March, 1998
3. The Highest Frequency generated in the EUT : 71.75MHz
4. External Connectors :
 - A/V Input/Output ports, RCA type
 - Cable box port, 3.5mm mini jack type
 - Video Y/C Input/output ports, DIN type
5. Connected Accessories for the EUT :
 - Coaxial Cable with F-Type plug
 - Audio/Video Cables with RCA Plug
 - Cable box controller with mini plug
 - Video Y/C cables with DIN plug
6. Measuring Method : FCC Rules and Regulations Part 15 (B)
7. Measurement Procedure : ANSI C63.4-1992
8. Date of Measurement : Mar 31, 1998
9. Place of Measurement : Victor Company of Japan Ltd.
JVC YOKOHAMA TEST SITE
10. Measurement Results : The results obtained from the measuring of the above-mentioned device are as shown in the attached sheets.

Victor Company of Japan Ltd.


T. Wakabayashi, General Manager
Engineering Support Center
Engineering Department
Video Division

Section.15.107

POWER LINE CONDUCTED INTERFERENCE VOLTAGE MEASUREMENT

Video source connected to the EUT : Internal(Recorded Tape) 'PLAY Mode'

RF Output Channels : #3 and #4

Frequency of the emission [MHz]	Meter reading [dBuV]		LISN factor [dB]	Limits [dBuV]	Radio noise voltage [dBuV]	
	Va	Vb			Va	Vb
0.45	34.5	33.8	0.6	48.0	35.1	34.4
0.56	30.5	30.7	0.7	48.0	31.2	31.4
0.65	27.5	27.4	0.7	48.0	28.2	28.1
0.75	25.1	25.1	0.8	48.0	25.9	25.9
0.92	22.7	21.6	0.8	48.0	23.5	22.4
1.00	23.2	21.3	0.8	48.0	24.0	22.1
1.49	24.0	21.1	0.8	48.0	24.8	21.9
1.85	23.7	18.9	0.7	48.0	24.4	19.6
2.91	30.8	30.2	0.7	48.0	31.5	30.9
5.42	18.1	16.6	0.7	48.0	18.8	17.3
6.74	17.9	16.8	0.6	48.0	18.5	17.4
19.65	21.8	20.8	0.6	48.0	22.4	21.4
25.00	19.8	19.2	0.8	48.0	20.6	20.0
28.65	25.4	25.7	0.9	48.0	26.3	26.6

NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $34.5 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.1 \text{ (dBuV/m)}$
 LISN factor [dB] = 0.6 [dB]
 Limits : $250[\mu\text{V}] = 20 \log (250 [\mu\text{V}]) = 48 \text{ [dBuV]}$

2) The spectrum was checked from 0.45 at 30 MHz and all emissions not listed above were found to be more than 20 dB below the limits specified the commissions.

3) The symbol of '<' means 'or less'

4) Va : One-end & Grounded , Vb : The other-end & grounded

Section.15.107

Results of Conducted Power Line Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)

EUT : Videocassette recorder

Model No. : VR988/50

Serial No. : TS000012

Report No. : JYI98004

Date. : Mar 31, 1998

Video source connected to the EUT

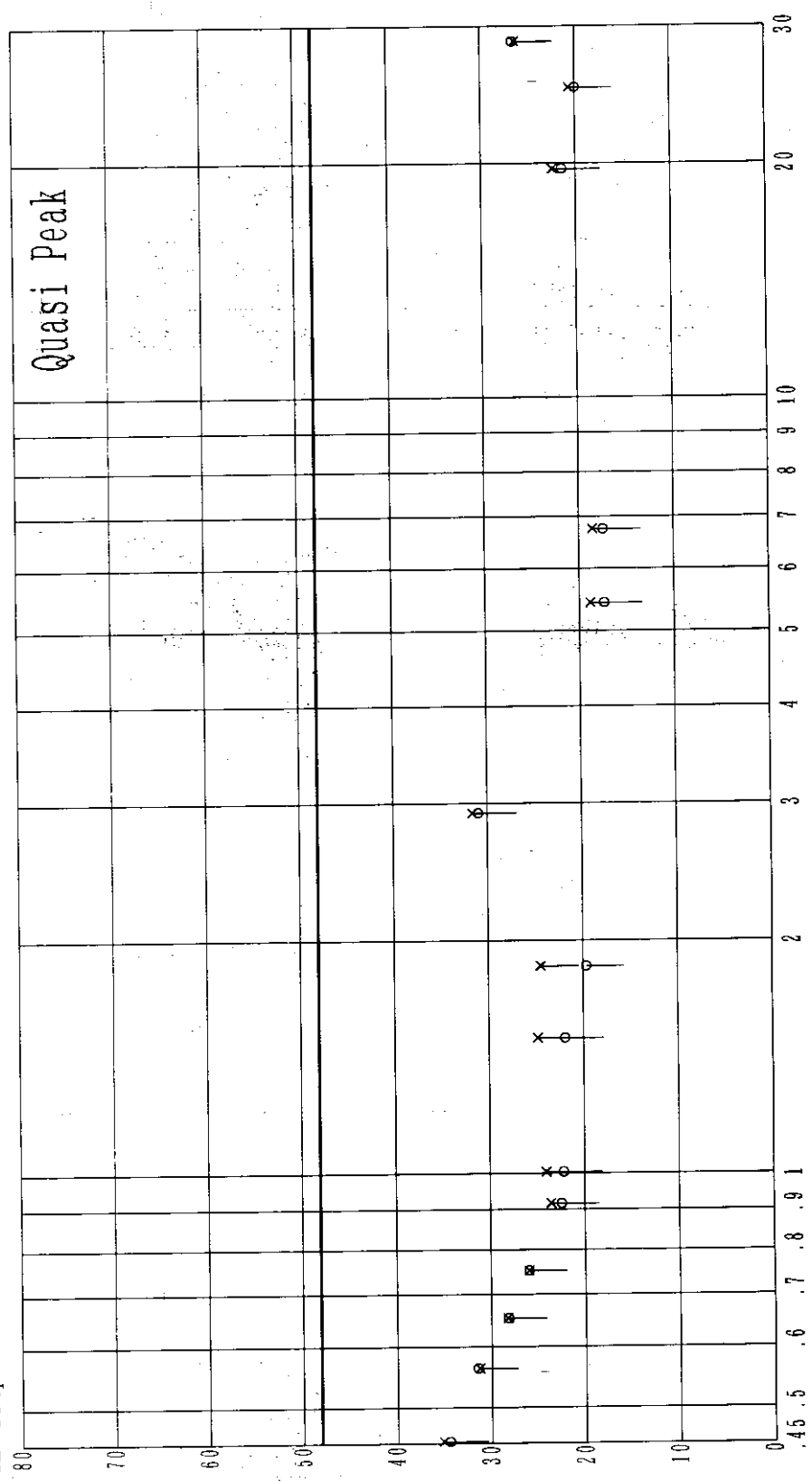
: Internal (Recorded Tape) 'PLAY Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Measured Value one end (Va)

o : Measured Value other end (Vb)



Frequency (MHz)

Section.15.107

POWER LINE CONDUCTED INTERFERENCE VOLTAGE MEASUREMENT

Video source connected to the EUT : External(VITS at 1Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

Frequency of the emission [MHz]	Meter reading [dBuV]		LISN factor [dB]	Limits [dBuV]	Radio noise voltage [dBuV]	
	Va	Vb			Va	Vb
0.45	34.9	34.6	0.6	48.0	35.5	35.2
0.53	31.9	31.4	0.6	48.0	32.5	32.0
0.69	27.1	26.7	0.8	48.0	27.9	27.5
0.78	25.2	24.4	0.8	48.0	26.0	25.2
0.96	24.6	23.2	0.8	48.0	25.4	24.0
1.14	25.4	23.4	0.8	48.0	26.2	24.2
1.38	25.2	22.9	0.8	48.0	26.0	23.7
1.59	25.9	23.2	0.8	48.0	26.7	24.0
2.35	22.5	24.5	0.7	48.0	23.2	25.2
2.89	33.8	33.4	0.7	48.0	34.5	34.1
5.34	21.2	18.3	0.7	48.0	21.9	19.0
6.83	22.1	20.9	0.6	48.0	22.7	21.5
7.90	19.2	18.6	0.6	48.0	19.8	19.2
25.35	19.7	20.9	0.8	48.0	20.5	21.7
29.89	22.3	23.1	1.0	48.0	23.3	24.1

- NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $34.9 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.5 \text{ (dBuV/m)}$
LISN factor [dB] = 0.6 [dB]
Limits : $250[\mu\text{V}] = 20 \log (250 [\mu\text{V}]) = 48 \text{ [dBuV]}$
- 2) The spectrum was checked from 0.45 at 30 MHz and all emissions not listed above were found to be more than 20 dB below the limits specified the commissions.
- 3) The symbol of '<' means 'or less'
- 4) Va : One-end & Grounded , Vb : The other-end & grounded

Section.15.107 Results of Conducted Power Line Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)

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EUT : Videocassette recorder

Model No. : VR988/50

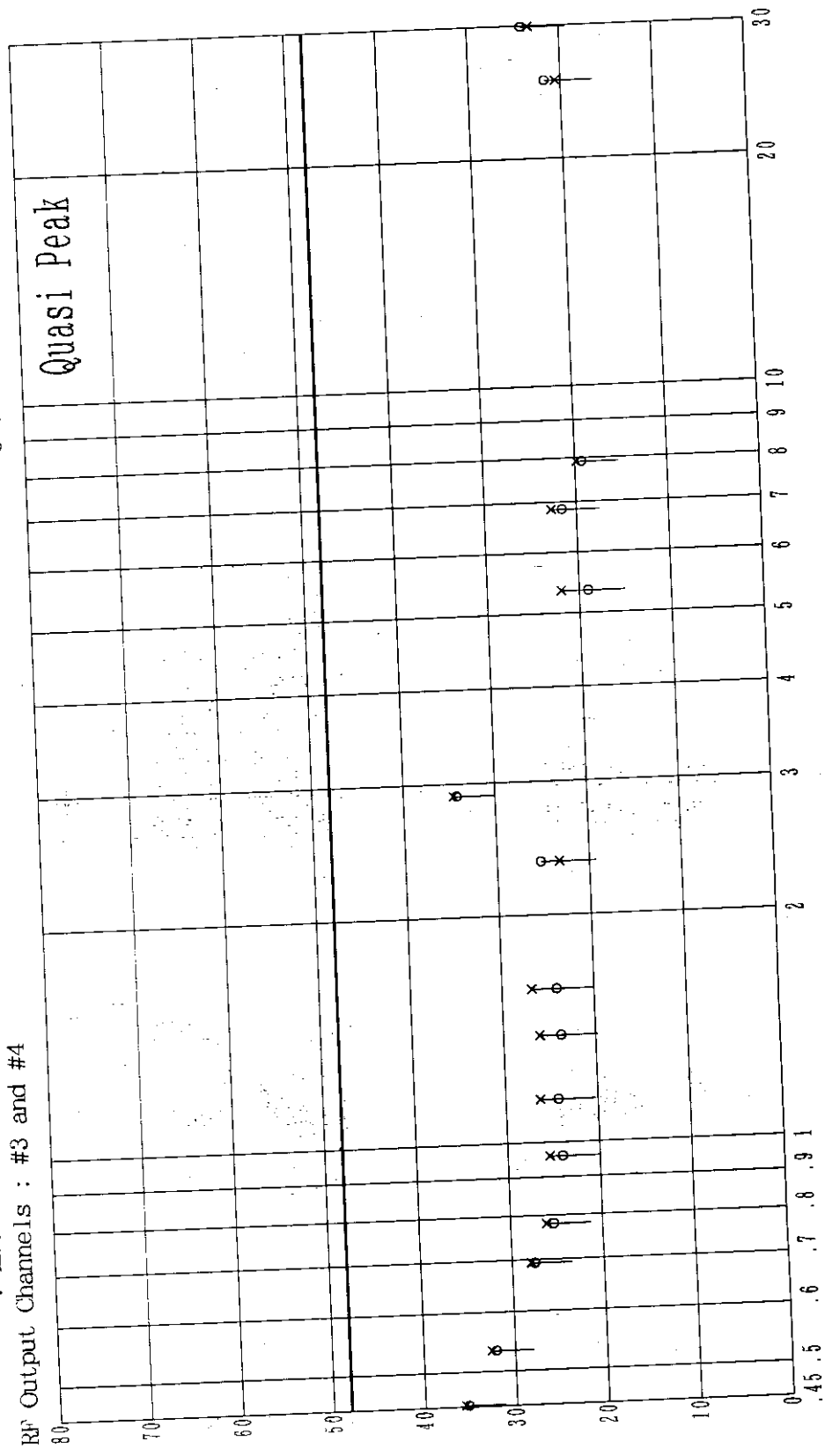
Serial No. : TS000012

Video source connected to the EUT

: External(VITS at 1Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line
x : Measured Value one end (Va)
o : Measured Value other end (Vb)



Frequency (MHz)

Section.15.107

POWER LINE CONDUCTED INTERFERENCE VOLTAGE MEASUREMENT

Video source connected to the EUT : External(VITS at 5Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

Frequency of the emission [MHz]	Meter reading [dBuV]		LISN factor [dB]	Limits [dBuV]	Radio noise voltage [dBuV]	
	Va	Vb			Va	Vb
0.45	35.4	35.3	0.6	48.0	36.0	35.9
0.53	32.1	32.2	0.6	48.0	32.7	32.8
0.70	27.9	26.9	0.8	48.0	28.7	27.7
0.79	25.3	24.3	0.8	48.0	26.1	25.1
0.88	24.5	23.8	0.8	48.0	25.3	24.6
1.14	25.3	23.8	0.8	48.0	26.1	24.6
1.60	25.8	23.3	0.8	48.0	26.6	24.1
2.89	34.1	33.9	0.7	48.0	34.8	34.6
5.38	21.2	19.8	0.7	48.0	21.9	20.5
6.76	22.4	21.0	0.6	48.0	23.0	21.6
25.36	19.5	21.1	0.8	48.0	20.3	21.9
29.89	23.0	23.3	1.0	48.0	24.0	24.3

NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $35.4 \text{ (dBuV)} + 0.6 \text{ (dB)} = 36.0 \text{ (dBuV/m)}$
 LISN factor [dB] = 0.6 [dB]
 Limits : $250[\mu\text{V}] = 20 \log (250 [\mu\text{V}]) = 48 \text{ [dBuV]}$

2) The spectrum was checked from 0.45 at 30 MHz and all emissions not listed above were found to be more than 20 dB below the limits specified the commissions.

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