

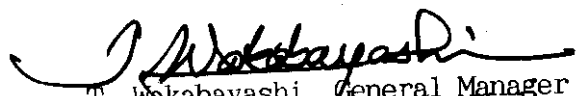
[REPORT OF MEASUREMENTS ON TV INTERFACE DEVICE]

Date : September 18, 1998
Issued at : Kanagawa Japan

REPORT No. : JYT98013

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 : ASIP9K045
 - 2.2 Tuner/RF conv.type : QAU0113-x
 - 2.3 Brand (Trade Name) : JVC
 - 2.4 Model No. : HR-VP674U
 - 2.5 Serial No. : ES200027
 - 2.6 Designed for RF Output Channels : Channel #3 and Channel #4
 - 2.7 Number of RF Output Terminals : 1 (F-type Connector)
 - 2.8 RF Output Impedance : 75 ohms (Unbalanced)
 - 2.9 Power Supply : AC 120 V, 60Hz
 - 2.10 Date of Manufacturer : September, 1998
3. The Highest Frequency generated in the EUT : 71.75MHz
4. External Connectors :
 - A/V Input/Output ports, RCA type
 - Cable box port, 3.5 ϕ mini jack type
 - Pause control port, 3.5 ϕ mini jack type
5. Connected Accessories for the EUT :
 - Coaxial Cable with F-Type plug
 - Audio/Video Cables with RCA Plugs
 - Cable box controller with mini plug
 - Pause control cable with mini plug
6. Measuring Method : FCC Rules and Regulations Part 15 (B)
7. Measurement Procedure : ANSI C63.4-1992
8. Date of Measurement : Sep 15, 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.15.109 RADIATED RADIO EMISSION 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		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
35.9	<43.0	44.3	16.5	-29.2	40.0	<30.3	31.6
100.6	<50.0	50.5	10.5	-26.6	43.5	<33.9	34.4
128.9	<42.0	42.8	13.7	-26.0	43.5	<29.8	30.6
164.6	<40.0	39.8	15.5	-25.2	43.5	<30.3	30.1
193.3	<35.0	35.4	16.5	-24.7	43.5	<26.8	27.2
645.3	<33.0	35.3	21.6	-19.5	46.0	<35.1	37.4

NOTES: 1) Sample calculation at 35.9 MHz :

Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.3 [dBuV/m] : 43.0 [dBuV] + 16.5 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100 [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$

2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

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

Measurement Distance : 3 m

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

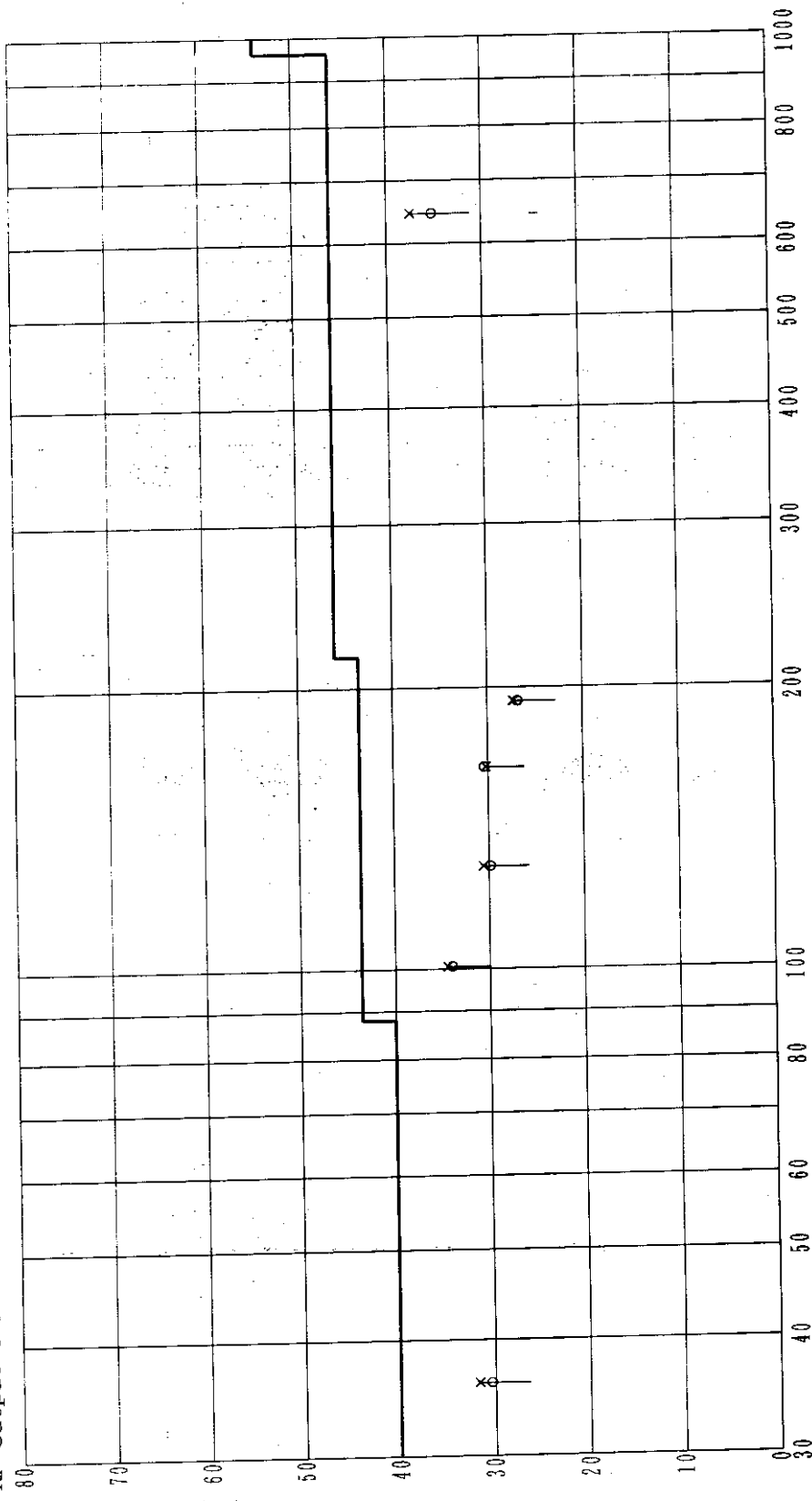
: Internal (Recorded Tape) 'PLAY Mode'

RF Output Channels : #3 and #4

— Limit Line

o : Vertical

x : Horizontal



Frequency (MHz)

Section.15.109 RADIATED RADIO EMISSION MEASUREMENT

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

RF Output Channels : #3 and #4

Frequency of the emission [MHz]	Meter reading		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
36.8	<43.0	42.5	16.2	-29.2	40.0	<30.0	29.5
92.5	<48.1	53.8	8.8	-26.8	43.5	<30.0	35.7
100.7	<48.0	50.0	10.5	-26.6	43.5	<31.9	33.9
128.9	<42.3	45.0	13.7	-26.0	43.5	<30.1	32.8
164.6	39.7	<39.7	15.5	-25.2	43.5	30.0	<30.0
535.0	32.8	<32.0	19.9	-20.7	46.0	32.0	<31.2

- NOTES: 1) Sample calculation at 36.8 MHz :
 Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.0 [dBuV/m] : 43.0 [dBuV] + 16.2 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100 [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$
- 2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

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

Measurement Distance : 3 m

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JY198013

Date. : Sep 15, 1998

Video source connected to the EUT

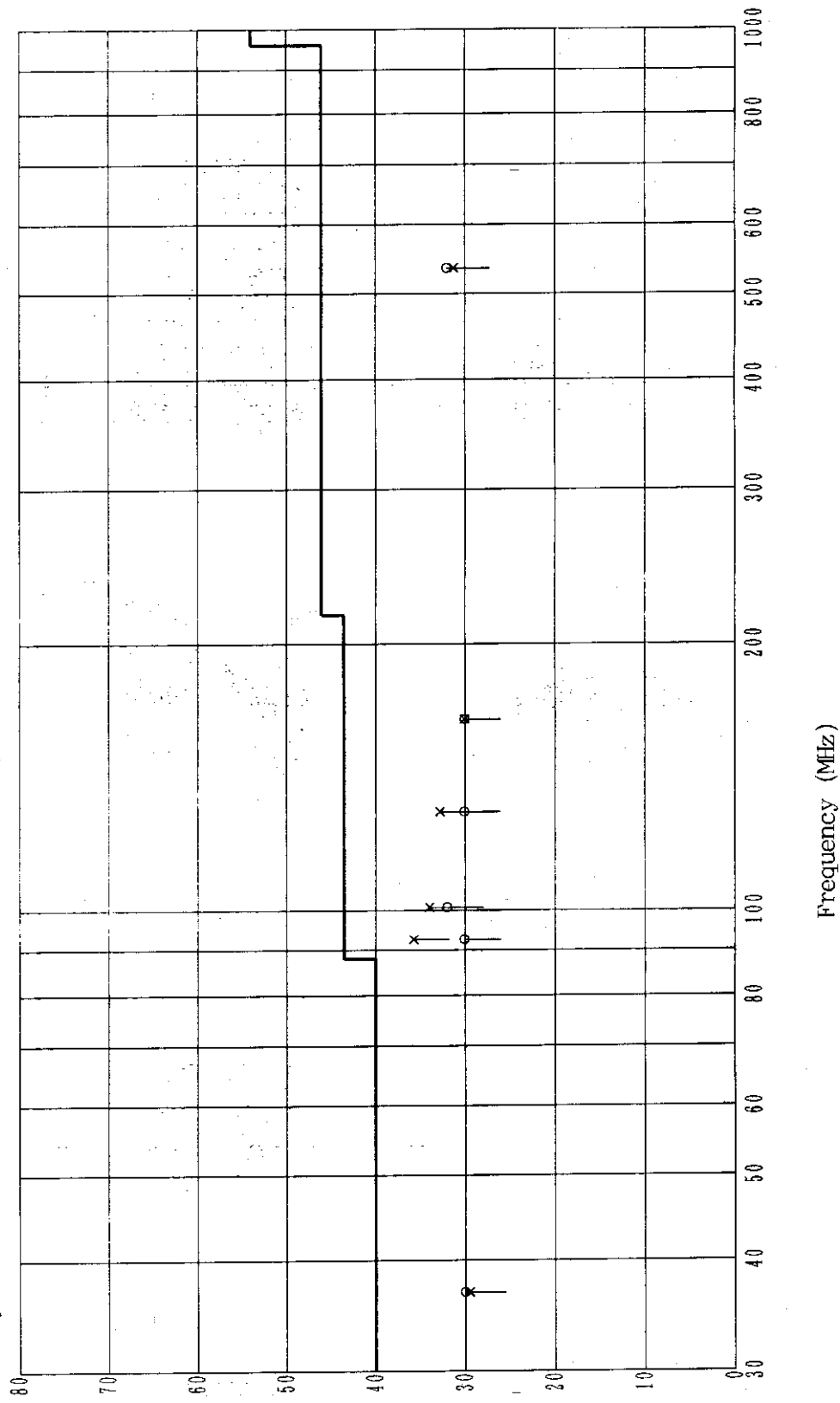
: External(VITS at 1Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

o : Vertical

x : Horizontal



Section.15.109 RADIATED RADIO EMISSION 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		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
35.7	<42.6	41.3	16.6	-29.2	40.0	<30.0	28.7
93.4	<49.8	54.2	9.0	-26.8	43.5	<32.0	36.4
101.4	<45.9	53.7	10.6	-26.6	43.5	<29.9	37.7
121.7	<42.9	47.7	13.2	-26.1	43.5	<30.0	34.8
164.7	39.9	38.4	15.5	-25.2	43.5	30.2	28.7
645.3	<30.0	35.4	21.6	-19.5	46.0	<32.1	37.5

- NOTES: 1) Sample calculation at 35.7 MHz :
 Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.0 [dBuV/m] : 42.6 [dBuV] + 16.6 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100 [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$
- 2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)
Measurement Distance : 3 m

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

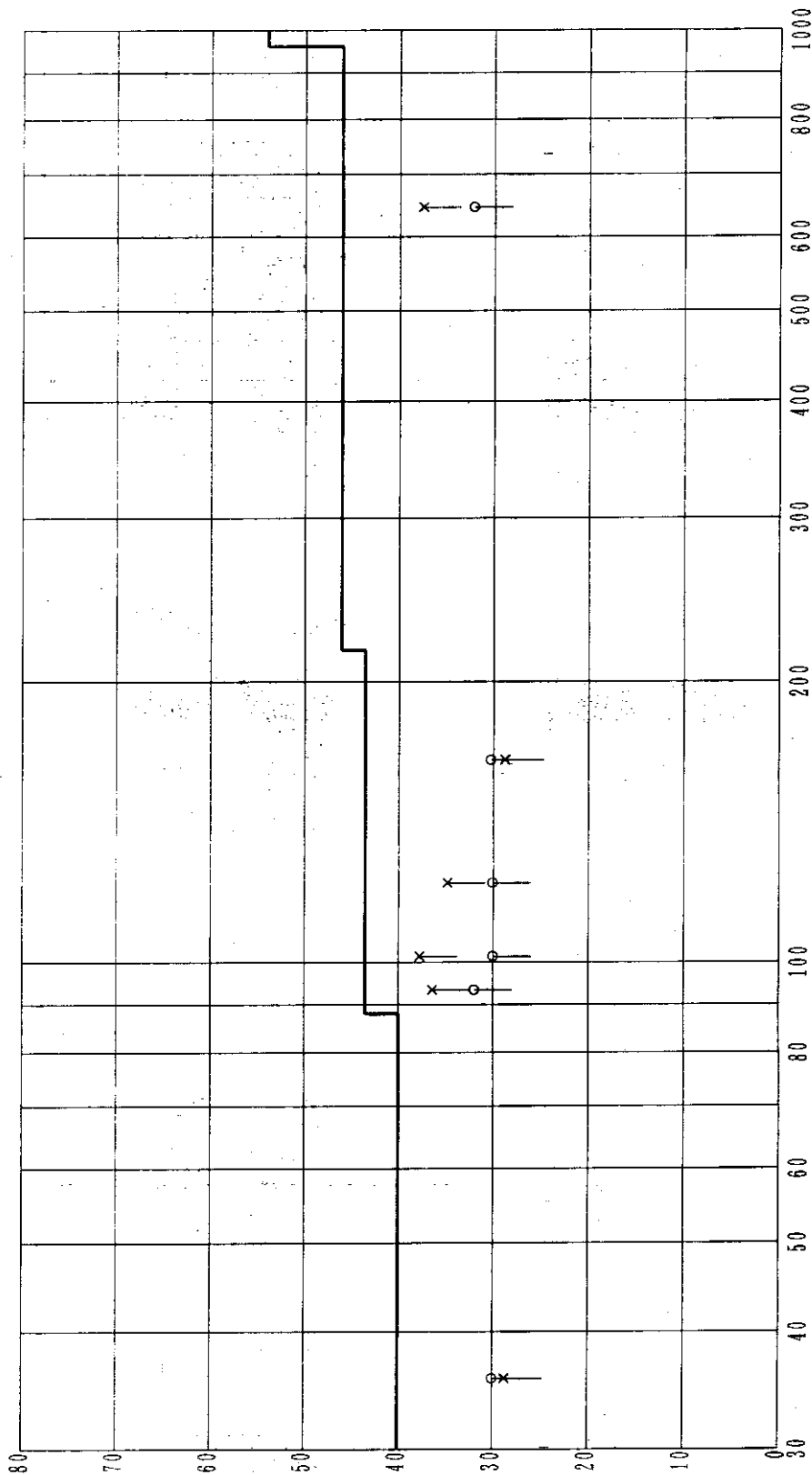
: External (VITS at 5Vp-p) 'RHC Mode'

RF Output Channels : #3 and #4

— Limit Line

o : Vertical

x : Horizontal



Frequency (MHz)

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		LISN factor [dB]	Limits [dBuV]	Radio noise voltage	
	Va [dBuV]	Vb			Va [dBuV]	Vb
0.45	34.5	34.0	0.6	48.0	35.1	34.6
0.54	31.1	31.4	0.6	48.0	31.7	32.0
0.63	27.8	28.1	0.7	48.0	28.5	28.8
0.75	24.3	24.8	0.8	48.0	25.1	25.6
1.71	14.6	16.3	0.8	48.0	15.4	17.1
2.55	25.1	22.8	0.7	48.0	25.8	23.5
2.92	21.8	21.0	0.7	48.0	22.5	21.7
11.38	20.7	20.2	0.5	48.0	21.2	20.7
29.91	23.2	25.4	1.0	48.0	24.2	26.4
29.05	19.9	23.5	1.0	48.0	20.9	24.5

- 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 : $250 \text{ [uV]} = 20 \log (250 \text{ [uV]}) = 48 \text{ [dBuV]}$
- 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. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

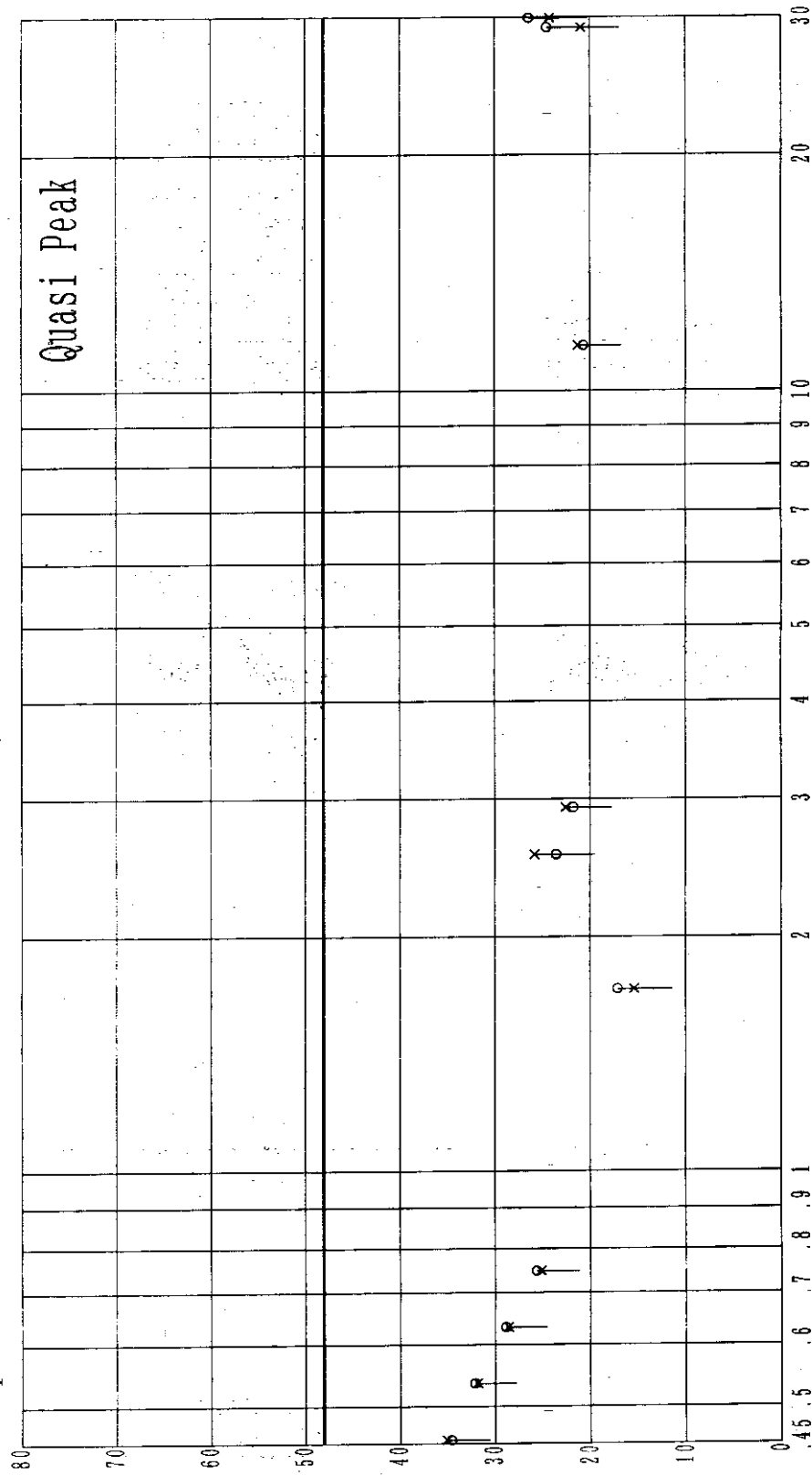
: Internal(Recorded Tape) 'PLAY Mode'

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		LISN factor [dB]	Limits [dBuV]	Radio noise voltage	
	Va [dBuV]	Vb			Va [dBuV]	Vb
0.46	34.6	35.9	0.6	48.0	35.2	36.5
0.56	30.7	31.5	0.7	48.0	31.4	32.2
0.68	28.3	30.2	0.8	48.0	29.1	31.0
0.79	23.8	25.8	0.8	48.0	24.6	26.6
0.90	27.1	28.8	0.8	48.0	27.9	29.6
1.01	24.3	25.9	0.8	48.0	25.1	26.7
1.45	26.8	28.1	0.8	48.0	27.6	28.9
2.41	26.5	26.8	0.7	48.0	27.2	27.5
3.37	22.4	20.4	0.7	48.0	23.1	21.1
6.62	21.5	21.7	0.6	48.0	22.1	22.3
18.52	20.8	20.8	0.6	48.0	21.4	21.4
29.95	23.3	25.6	1.0	48.0	24.3	26.6

- NOTES: 1) Sample calculation at 0.46 MHz (Va) :
 $34.6 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.2 \text{ (dBuV/m)}$
 $\text{LISN factor [dB]} = 0.6 \text{ [dB]}$
 $\text{Limits : } 250[\mu\text{V}] = 20 \log (250 [\mu\text{V}]) = 48 \text{ [dBuV]}$
- 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. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

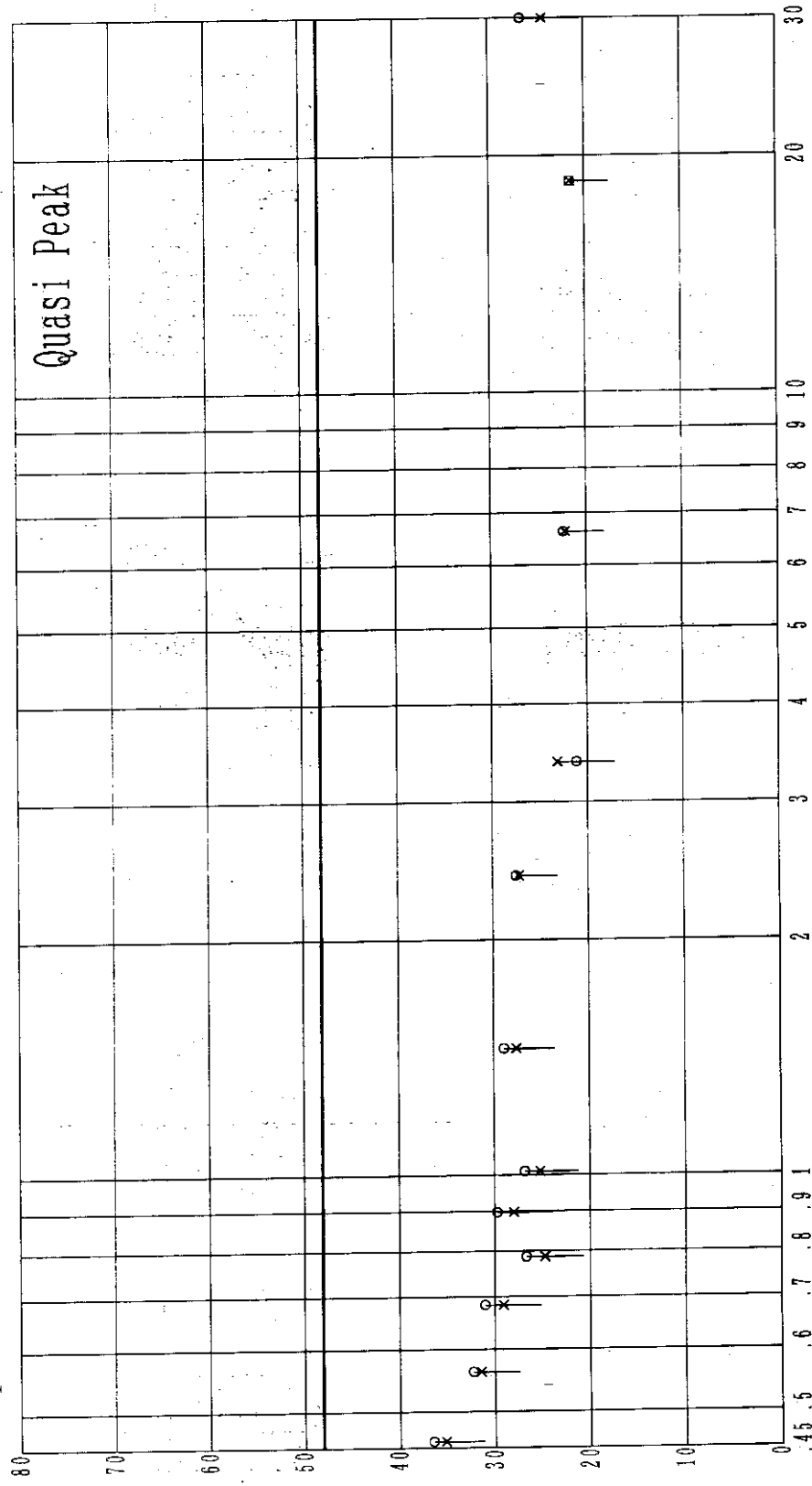
: External (VHS at 1Vp-p) 'REC Mode'

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	35.2	35.5	0.6	48.0	35.8	36.1
0.56	30.8	31.5	0.7	48.0	31.5	32.2
0.68	28.4	29.9	0.8	48.0	29.2	30.7
0.79	23.5	25.7	0.8	48.0	24.3	26.5
0.90	26.9	29.5	0.8	48.0	27.7	30.3
1.02	23.6	25.8	0.8	48.0	24.4	26.6
1.45	26.9	28.0	0.8	48.0	27.7	28.8
2.42	26.4	27.6	0.7	48.0	27.1	28.3
3.37	22.8	19.6	0.7	48.0	23.5	20.3
6.60	21.3	21.6	0.6	48.0	21.9	22.2
18.56	20.5	18.9	0.6	48.0	21.1	19.5
29.92	23.4	25.1	1.0	48.0	24.4	26.1

NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $35.2 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.8 \text{ (dBuV/m)}$
 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. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

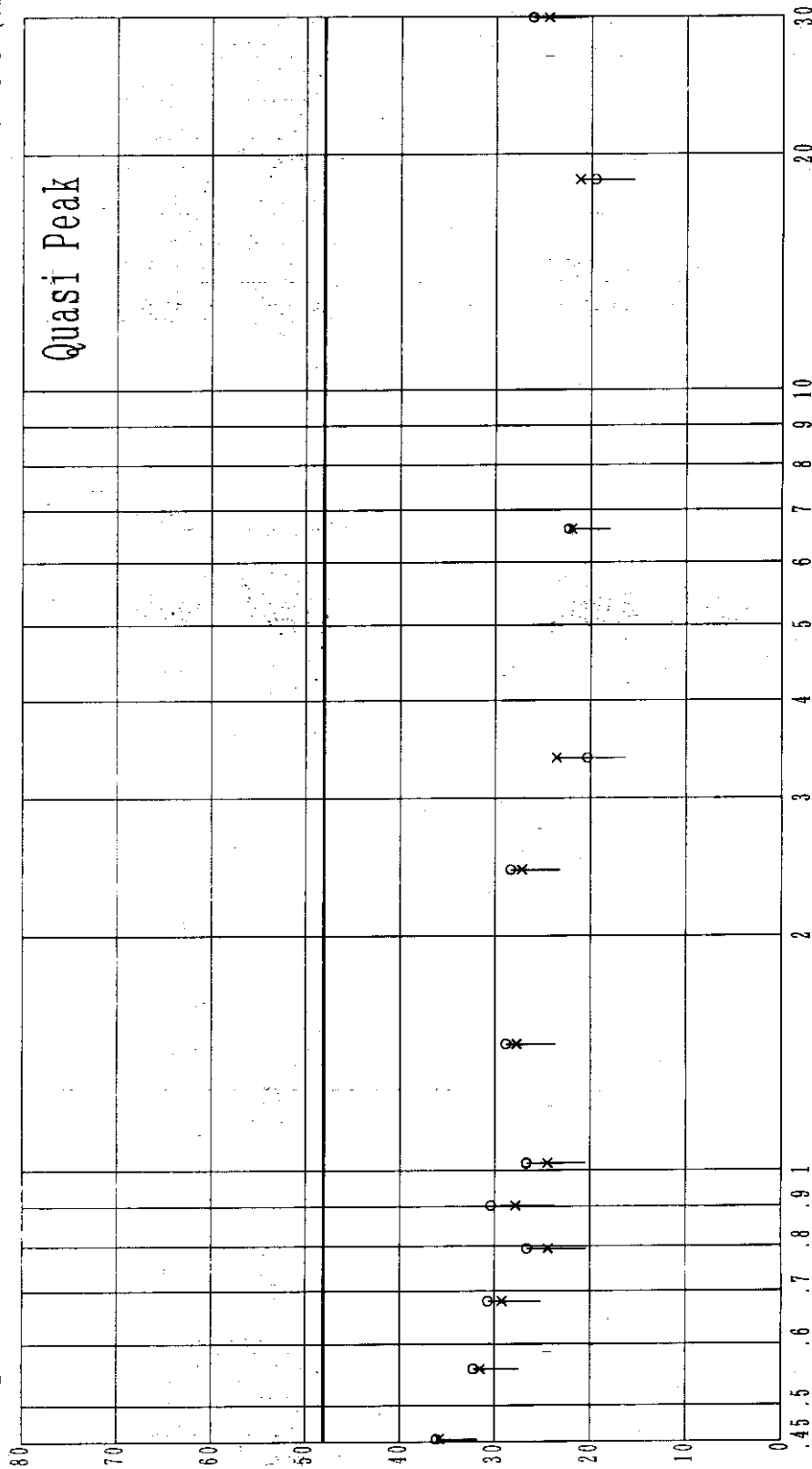
: External(VITS at 5Vp-p) 'RFC Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Measured Value one end (Va)

o : Measured Value other end (Vb)



Frequency (MHz)

RFI Voltage (dBuV)

Section.15.115 (b)(1) OUTPUT SIGNAL LEVEL

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

RF Output channel	Measured carrier freq. [MHz]		Meter reading [dBuV]		Matching pad loss [dB]	RF Output signal level [dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.26	65.75	59.2	43.8	6.0	69.5	67.0	56.5	51.6
4	67.28	71.75	59.3	44.4	6.0	69.5	67.1	56.5	52.2

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

RF Output channel	Measured carrier freq. [MHz]		Meter reading [dBuV]		Matching pad loss [dB]	RF Output signal level [dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.26	65.75	59.4	44.7	6.0	69.5	67.2	56.5	52.5
4	67.28	71.75	59.3	44.7	6.0	69.5	67.1	56.5	52.5

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

RF Output channel	Measured carrier freq. [MHz]		Meter reading [dBuV]		Matching pad loss [dB]	RF Output signal level [dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.26	65.75	59.3	44.7	6.0	69.5	67.1	56.5	52.5
4	67.28	71.75	59.3	44.7	6.0	69.5	67.1	56.5	52.5

NOTES: 1) Sample calculation at 61.26 MHz :
 $59.2 \text{ (dBuV)} + 6.0 \text{ (dB)} + 1.76 \text{ (dB)} = 67.0 \text{ (dBuV)}$
 (50ohm->75ohm)

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

3) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 300kHz

4) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
52.3	30.7	6.0	29.3	39.5	9.1
52.8	29.6	6.0	29.3	39.5	8.0
70.3	37.3	6.0	29.2	39.5	15.8
110.6	29.7	6.0	29.1	39.5	8.4
112.9	32.0	6.0	29.1	39.5	10.7
113.9	28.8	6.0	29.1	39.5	7.5
114.3	33.4	6.0	29.1	39.5	12.1
115.5	37.2	6.0	29.1	39.5	15.9
118.0	36.9	6.0	29.1	39.5	15.6
300.0	< 24.0	6.0	28.7	39.5	< 3.1
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
52.9	29.5	6.0	29.3	39.5	7.9
58.3	29.9	6.0	29.3	39.5	8.4
76.2	37.4	6.0	29.2	39.5	16.0
81.6	28.5	6.0	29.2	39.5	7.1
110.6	29.1	6.0	29.1	39.5	7.8
112.9	40.5	6.0	29.1	39.5	19.2
114.3	32.6	6.0	29.1	39.5	11.3
115.5	36.6	6.0	29.1	39.5	15.3
118.0	36.7	6.0	29.1	39.5	15.4
134.5	31.0	6.0	29.0	39.5	9.7
201.7	40.6	6.0	28.8	39.5	19.6
300.0	< 24.0	6.0	28.7	39.5	< 3.1
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

- NOTES: 1) Sample calculation at 52.9 MHz :
 $29.5 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.3 \text{ (dB)} + 1.76 \text{ (dB)} = 7.9 \text{ (dBuV)}$
 (50ohm→75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2)

Output Terminal Conducted Spurious Emission Measurements.

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

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

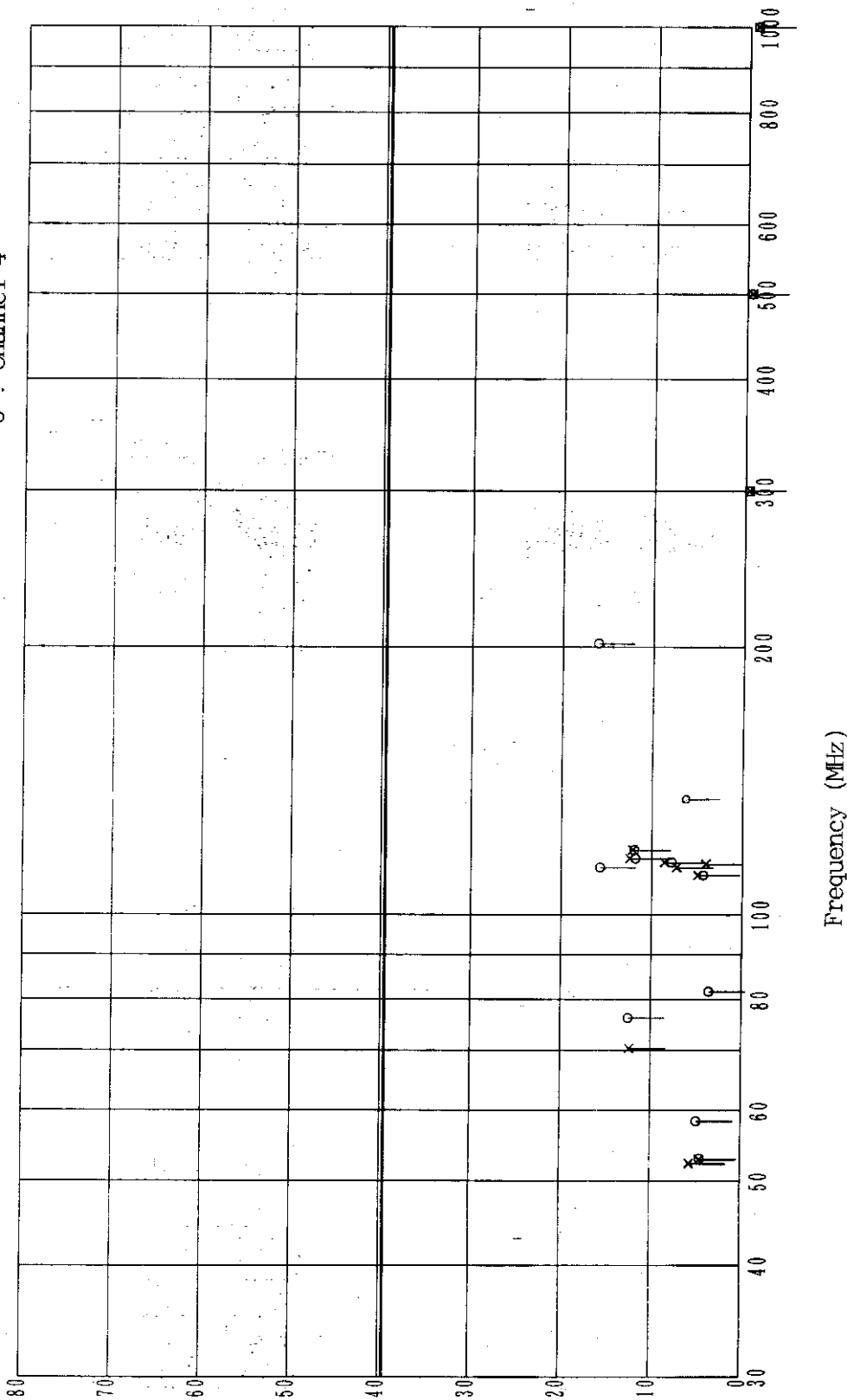
: Internal(Recorded Tape) 'PLAY Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Channel 3

o : Channel 4



Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
52.3	30.5	6.0	29.3	39.5	8.9
70.2	38.0	6.0	29.2	39.5	16.5
110.6	32.2	6.0	29.1	39.5	10.9
114.3	30.6	6.0	29.1	39.5	9.3
115.5	34.4	6.0	29.1	39.5	13.1
118.0	35.6	6.0	29.1	39.5	14.3
122.5	34.6	6.0	29.0	39.5	13.3
183.7	42.7	6.0	28.9	39.5	21.6
188.3	29.1	6.0	28.8	39.5	8.0
300.0	< 24.0	6.0	28.7	39.5	< 3.1
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
58.3	30.2	6.0	29.3	39.5	8.7
76.3	37.6	6.0	29.2	39.5	16.2
110.6	32.2	6.0	29.1	39.5	10.9
112.9	30.8	6.0	29.1	39.5	9.5
114.3	33.6	6.0	29.1	39.5	12.3
115.5	36.9	6.0	29.1	39.5	15.6
118.0	36.3	6.0	29.1	39.5	15.0
134.5	31.4	6.0	29.0	39.5	10.1
201.7	40.8	6.0	28.8	39.5	19.8
300.0	< 24.0	6.0	28.7	39.5	< 3.1
5000.0	< 24.0	6.0	0.0	0.0	< 31.8
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

- NOTES: 1) Sample calculation at 58.3 MHz :
 $30.2 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.3 \text{ (dB)} + 1.76 \text{ (dB)} = 8.7 \text{ (dBuV)}$
 (50ohm->75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2)

Output Terminal Conducted Spurious Emission Measurements.

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

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JYT98013

Date. : Sep 15, 1998

Video source connected to the EUT

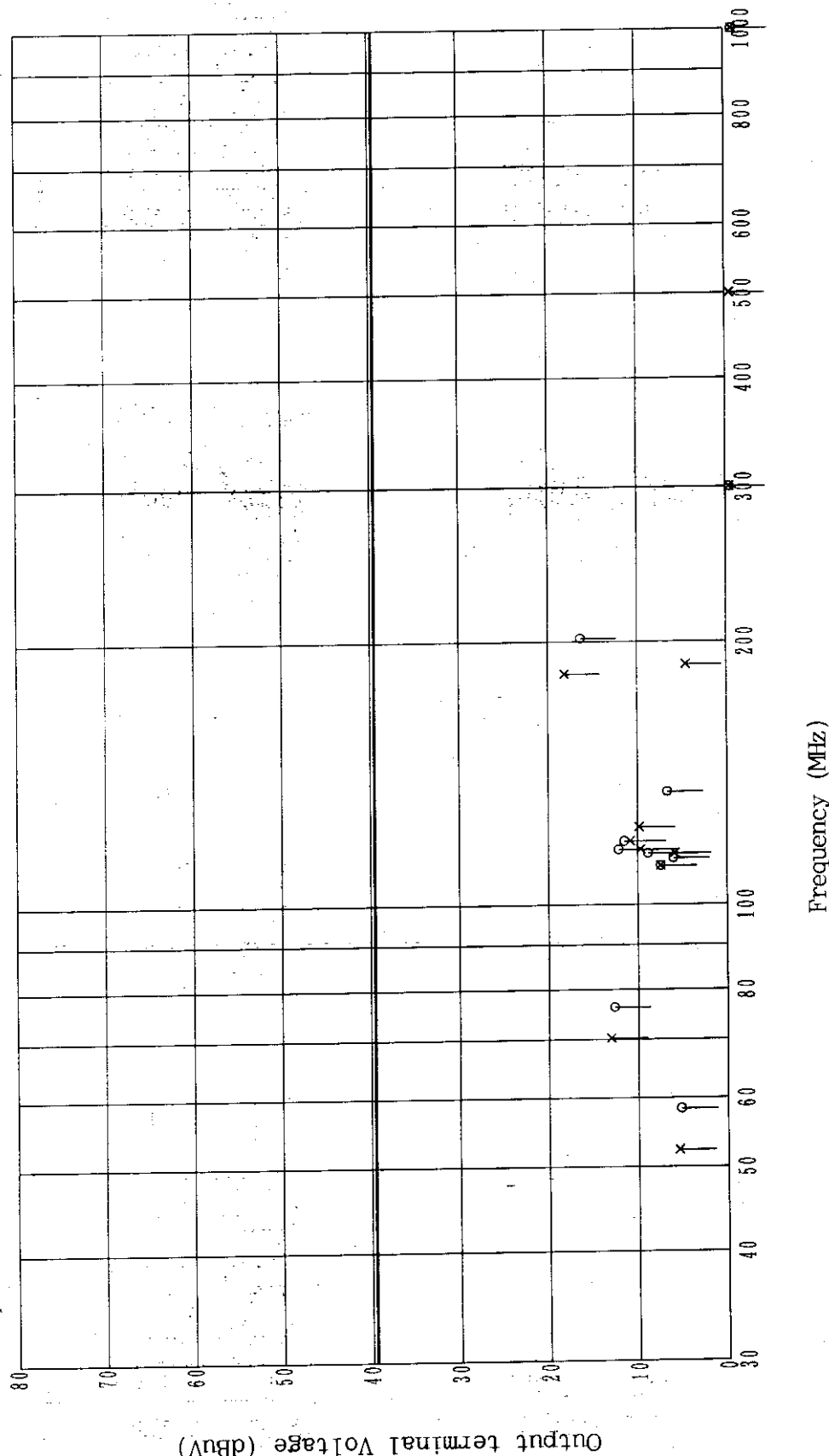
: External(VITS at 1Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Channel 3

o : Channel 4



Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
52.5	30.7	6.0	29.3	39.5	9.1
70.3	37.4	6.0	29.2	39.5	15.9
110.6	30.7	6.0	29.1	39.5	9.4
112.9	31.1	6.0	29.1	39.5	9.8
114.3	32.6	6.0	29.1	39.5	11.3
115.5	35.1	6.0	29.1	39.5	13.8
118.0	35.8	6.0	29.1	39.5	14.5
122.5	34.7	6.0	29.0	39.5	13.4
183.7	42.4	6.0	28.9	39.5	21.3
300.0	< 24.0	6.0	28.7	39.5	< 3.1
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
58.3	30.1	6.0	29.3	39.5	8.6
76.3	37.2	6.0	29.2	39.5	15.8
110.6	30.8	6.0	29.1	39.5	9.5
112.9	28.8	6.0	29.1	39.5	7.5
114.3	31.7	6.0	29.1	39.5	10.4
115.5	36.8	6.0	29.1	39.5	15.5
118.0	35.3	6.0	29.1	39.5	14.0
134.5	31.6	6.0	29.0	39.5	10.3
197.2	27.6	6.0	28.8	39.5	6.6
201.7	40.3	6.0	28.8	39.5	19.3
206.2	26.8	6.0	28.8	39.5	5.8
300.0	< 24.0	6.0	28.7	39.5	< 3.1
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

- NOTES: 1) Sample calculation at 58.3 MHz :
 $30.1 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.3 \text{ (dB)} + 1.76 \text{ (dB)} = 8.6 \text{ (dBuV)}$
 (50ohm→75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2) Output Terminal Conducted Spurious Emission Measurements.

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

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200027

Report No. : JY198013

Date. : Sep 15, 1998

Video source connected to the EUT

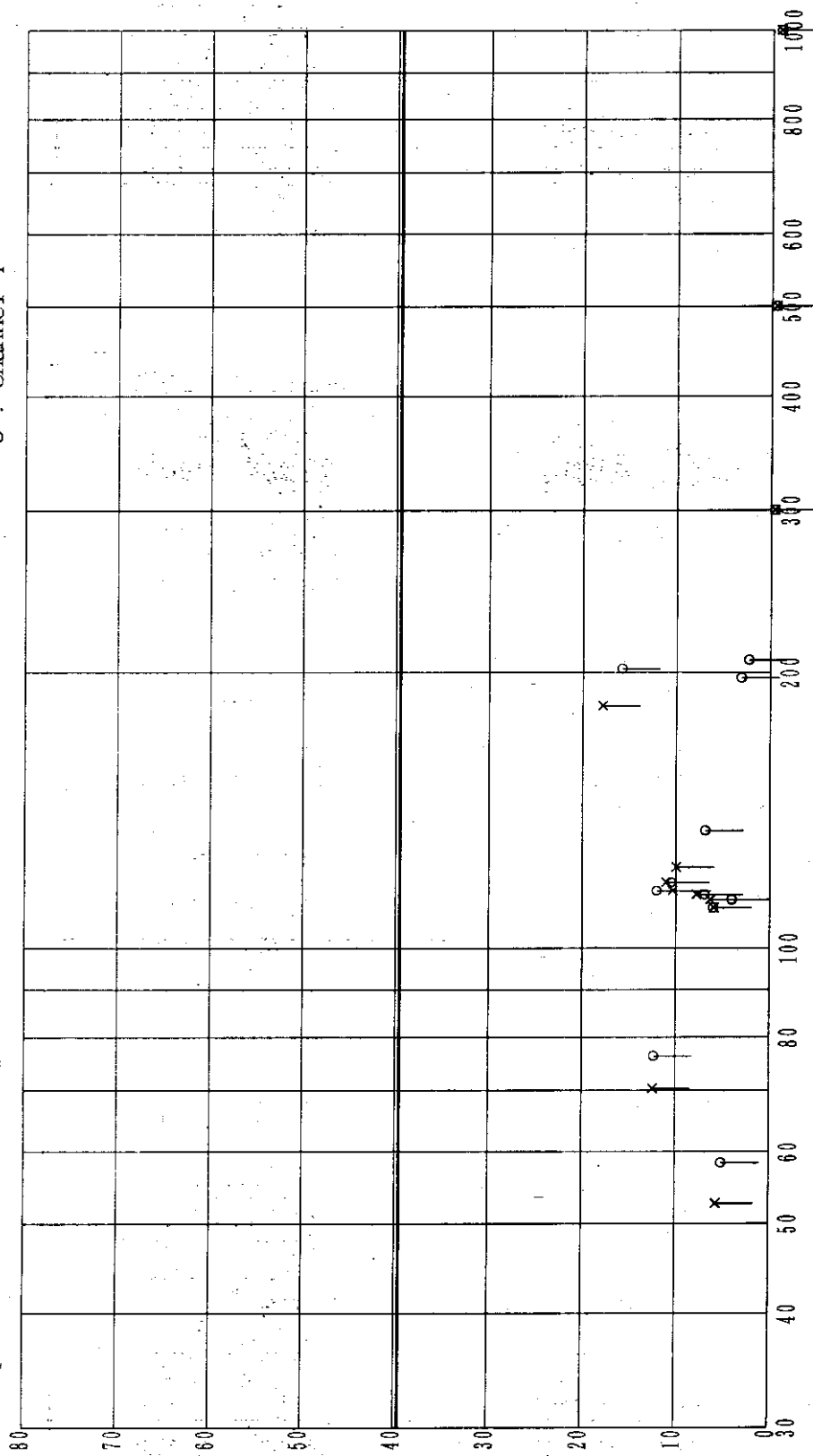
: External (VITS at 5Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Channel 3

o : Channel 4



Frequency (MHz)

Section.15.115 (b)(c) TRANSFER SWITCH ISOLATION MEASUREMENT

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.26	30.3	6.0	29.3	9.5	8.8
4	67.28	24.8	6.0	29.3	9.5	3.3

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.26	29.7	6.0	29.3	9.5	8.2
4	67.28	24.7	6.0	29.3	9.5	3.2

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.26	29.8	6.0	29.3	9.5	8.3
4	67.28	24.9	6.0	29.3	9.5	3.4

NOTES: 1) Sample calculation at 61.26 MHz :
 $30.3 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.3 \text{ (dB)} + 1.76 \text{ (dB)} = 8.8 \text{ (dBuV)}$
 (50ohm→75ohm)

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

3) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 300kHz

4) Impedance at the output terminal : 75 ohm (Unbalanced)

<Radiated Emission>

Caused by the local oscillator

Channel	Freq [MHz]	Meter reading [dBuV]	Ant fact [dB]	C. fact [dB]	Matching pad [dB]	Corrected reading [dBuV/m]	Polarization	Limit [dBuV/m]
2	101	< 39.1	10.84	25.49	6.0	< 30.5	Horizontal	43.5
	202	< 31.2	16.82	24.03		< 30.0		
	303	< 30.6	16.43	22.98		< 30.0		46.0
	1010	< 34.7	26.71	27.38		< 40.0		54.0
	1616	< 36.8	29.41	27.23		< 45.0		
4	113	< 36.9	12.46	25.31	6.0	< 30.0	Vertical	43.5
	226	< 30.1	17.11	23.21		< 30.0		46.0
	339	< 29.6	16.79	22.35		< 30.0		54.0
	1017	< 34.7	26.71	27.37		< 40.0		
	1695	< 37.8	28.55	27.39		< 45.0		
6	129	< 34.9	14.07	24.93	6.0	< 30.0	Horizontal	43.5
	258	< 29.5	17.74	23.24		< 30.0		46.0
	387	< 28.5	17.27	21.81		< 30.0		54.0
	1032	< 34.6	26.72	27.34		< 40.0		
	1677	< 37.6	28.74	27.35		< 45.0		
8	227	< 30.1	17.12	23.22	6.0	< 30.0	Horizontal	46.0
	454	< 26.5	18.53	21.07		< 30.0		
	681	< 19.7	22.56	18.28		< 30.0		54.0
	1135	< 33.8	27.31	27.13		< 40.0		
	1589	< 36.5	29.70	27.18		< 45.0		
10	239	< 30.1	17.27	23.37	6.0	< 30.0	Horizontal	46.0
	478	< 25.3	19.04	20.33		< 30.0		54.0
	717	< 24.0	22.72	17.70		< 35.0		
	1195	< 32.7	28.28	27.01		< 40.0		
	1673	< 37.6	28.79	27.35		< 45.0		
12	251	< 30.0	17.44	23.47	6.0	< 30.0	Horizontal	46.0
	502	< 24.2	19.56	19.80		< 30.0		
	753	< 23.3	22.97	17.30		< 35.0		54.0
	1004	< 34.7	26.70	27.39		< 40.0		
	1506	< 35.5	30.54	27.01		< 45.0		
14	517	33.4	19.99	19.80	6.0	39.5	Vertical	46.0
	1034	38.4	26.72	27.33		43.8		54.0
	1551	< 36.0	30.08	27.10		< 45.0		
20	553	31.6	21.04	19.79	6.0	38.8	Vertical	46.0
	1106	36.1	26.85	27.19		41.8		54.0
	1659	< 37.4	28.94	27.32		< 45.0		
26	589	32.7	22.08	19.64	6.0	41.2	Vertical	46.0
	1178	37.0	28.01	27.04		44.0	Horizontal	54.0
27	595	33.4	22.26	19.62	6.0	42.1	Vertical	46.0
	1190	37.0	28.20	27.02		44.2	Horizontal	54.0
28	601	33.3	22.40	19.59	6.0	42.1	Vertical	46.0
	1202	37.5	28.36	27.00		44.9	Horizontal	54.0
29	607	32.3	22.41	19.50	6.0	41.2	Vertical	46.0
	1214	38.0	28.45	27.00		45.4	Horizontal	54.0

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Ant Fact + Matching pad 6dB - C.fact

<Radiated Emission>

Caused by the local oscillator

Channel	Freq [MHz]	Meter reading [dBuV]	Ant fact [dB]	C. fact [dB]	Matching pad [dB]	Corrected reading [dBuV/m]	Polarization	Limit [dBuV/m]
30	613	33.1	22.43	19.42	6.0	42.1	Vertical	46.0
	1226	37.6	28.42	27.00		45.0	Horizontal	54.0
31	619	33.1	22.44	19.33	6.0	42.2	Vertical	46.0
	1238	36.5	28.45	27.00		43.9	Horizontal	54.0
32	625	32.3	22.45	19.25	6.0	41.5	Vertical	46.0
	1250	35.2	28.48	27.00		42.7	Horizontal	54.0
33	631	32.1	22.46	19.17	6.0	41.4	Vertical	46.0
	1262	35.6	28.50	27.00		43.1	Horizontal	54.0
34	637	31.1	22.47	19.08	6.0	40.5	Vertical	46.0
	1274	34.9	28.53	27.00		42.5		54.0
35	643	30.2	22.49	19.00	6.0	39.7	Vertical	46.0
	1286	< 34.4	28.56	27.00		< 42.0		54.0
36	649	< 29.5	22.50	18.91	6.0	< 39.1	Vertical	46.0
	1298	< 34.4	28.59	27.00		< 42.0		54.0
37	655	27.7	22.51	18.80	6.0	37.4	Vertical	46.0
	1310	< 34.2	28.74	26.98		< 42.0		54.0
45	703	25.9	22.62	17.86	6.0	36.7	Horizontal	46.0
	1406	< 35.7	30.12	26.81		< 45.0		54.0
52	745	28.6	22.92	17.36	6.0	40.2	Horizontal	46.0
	1490	36.2	30.55	26.98		45.7	Vertical	54.0
53	751	30.0	22.96	17.30	6.0	41.7	Horizontal	46.0
	1502	36.9	30.58	27.00		46.4	Vertical	54.0
54	757	29.8	23.00	17.30	6.0	41.5	Horizontal	46.0
	1514	37.0	30.46	27.03		46.5	Vertical	54.0
55	763	28.7	23.04	17.30	6.0	40.4	Horizontal	46.0
	1526	37.1	30.34	27.05		46.4	Vertical	54.0
61	799	26.3	23.29	17.30	6.0	38.3	Vertical	46.0
	1598	37.2	29.61	27.20		45.6		54.0
62	805	28.0	23.39	17.25	6.0	40.2	Horizontal	46.0
	1610	37.7	29.48	27.22		45.9	Vertical	54.0
63	811	28.3	23.50	17.19	6.0	40.6	Vertical	46.0
	1622	37.6	29.35	27.24		45.7		54.0
64	817	28.7	23.61	17.13	6.0	41.2	Vertical	46.0
	1634	38.9	29.22	27.27		46.8		54.0
65	823	30.0	23.71	17.07	6.0	42.6	Horizontal	46.0
	1646	40.0	29.08	27.29		47.8	Vertical	54.0
66	829	29.2	23.82	17.01	6.0	42.0	Horizontal	46.0
	1658	42.2	28.95	27.32		49.8	Vertical	54.0
67	835	27.1	23.93	16.95	6.0	40.1	Horizontal	46.0
	1670	41.1	28.82	27.34		48.6	Vertical	54.0
68	841	29.0	24.04	16.89	6.0	42.2	Horizontal	46.0
	1682	40.6	28.69	27.36		47.9	Vertical	54.0
69	847	28.1	24.15	16.83	6.0	41.5	Horizontal	46.0
	1694	37.7	29.05	27.39		45.4	Vertical	54.0

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Ant Fact + Matching pad 6dB - C.fact

<Antenna power conduction for receivers>

Section 15.111(a)

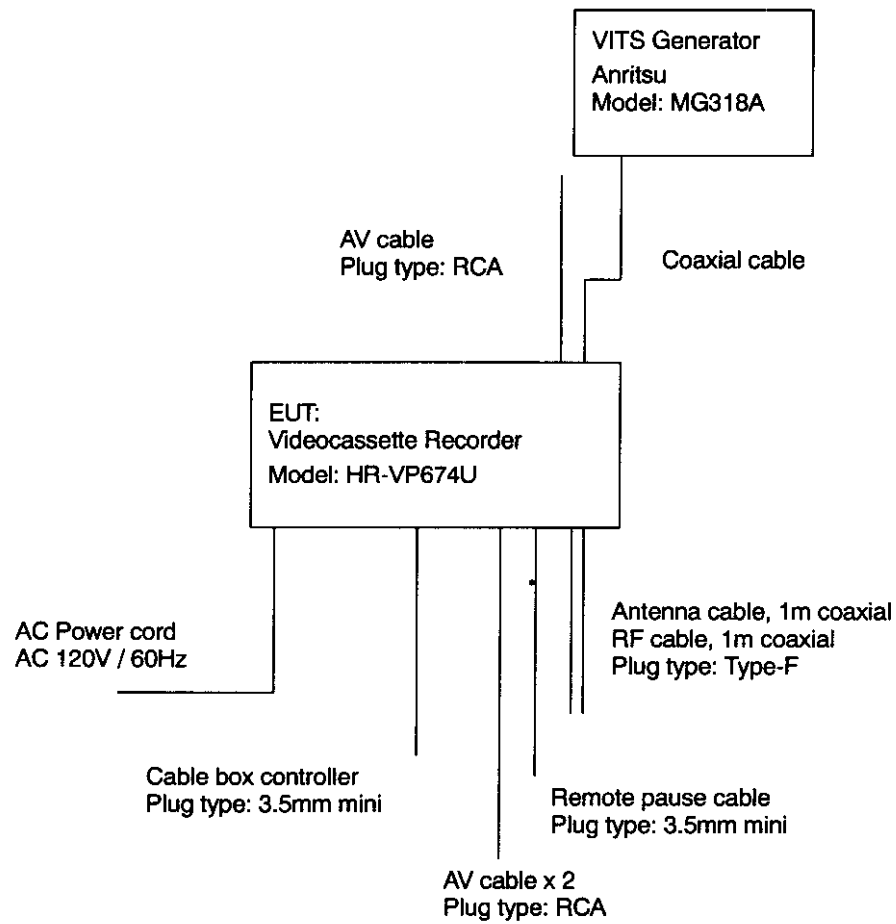
Channel	Freq [MHz]	Meter reading [dBuV]	C. fact [dB]	Corrected reading [dBuV/m]	Limit [dBuV/m]
2	101	< 56.8	28.80	< 40.0	52.0
	202	< 57.4	29.39	< 40.0	
	303	< 58.1	30.12	< 40.0	
	1010	< 55.2	27.24	< 40.0	
	1616	< 55.5	27.45	< 40.0	
4	113	< 56.8	28.75	< 40.0	52.0
	226	< 57.5	29.46	< 40.0	
	339	< 58.1	30.12	< 40.0	
	1017	< 55.2	27.24	< 40.0	
	1695	< 54.5	26.52	< 40.0	
6	129	< 57.1	29.11	< 40.0	52.0
	258	< 57.6	29.63	< 40.0	
	387	< 58.1	30.12	< 40.0	
	1161	< 55.1	27.10	< 40.0	
	1677	< 54.7	26.73	< 40.0	
7	221	< 57.5	29.45	< 40.0	52.0
	442	< 58.2	30.19	< 40.0	
	663	< 57.4	29.37	< 40.0	
	1105	< 55.2	27.24	< 40.0	
	1547	< 54.9	26.91	< 40.0	
8	227	< 57.5	29.47	< 40.0	52.0
	454	< 58.2	30.21	< 40.0	
	681	< 57.3	29.33	< 40.0	
	1135	< 55.2	27.16	< 40.0	
	1589	< 55.5	27.49	< 40.0	
9	233	< 57.5	29.49	< 40.0	52.0
	466	< 58.2	30.23	< 40.0	
	699	< 57.3	29.29	< 40.0	
	1165	< 55.1	27.09	< 40.0	
	1631	< 55.3	27.27	< 40.0	

Channel	Freq [MHz]	Meter reading [dBuV]	C. fact [dB]	Corrected reading [dBuV/m]	Limit [dBuV/m]
10	239	< 57.5	29.50	< 40.0	52.0
	478	< 58.2	30.24	< 40.0	
	717	< 57.1	29.08	< 40.0	
	1195	< 55.0	27.01	< 40.0	
	1673	< 54.8	26.78	< 40.0	
12	251	< 57.6	29.55	< 40.0	52.0
	502	< 58.3	30.26	< 40.0	
	753	< 56.6	28.64	< 40.0	
	1004	< 55.2	27.24	< 40.0	
14	517	< 58.2	30.15	< 40.0	52.0
	1034	< 55.2	27.24	< 40.0	
	1551	< 55.0	26.96	< 40.0	
20	553	< 57.9	29.87	< 40.0	52.0
	1106	< 55.2	27.24	< 40.0	
	1659	< 54.9	26.94	< 40.0	
28	601	< 57.5	29.51	< 40.0	52.0
	1202	< 55.0	26.99	< 40.0	
36	649	< 57.4	29.40	< 40.0	52.0
	1298	< 54.4	26.43	< 40.0	
45	703	< 57.3	29.25	< 40.0	52.0
	1406	54.9	26.86	< 40.0	
53	751	< 56.7	28.66	< 40.0	52.0
	1502	54.3	26.29	< 40.0	
61	799	< 56.1	28.07	< 40.0	52.0
	1598	55.6	27.61	< 40.0	
69	847	< 56.1	28.06	< 40.0	52.0
	1694	54.5	26.53	< 40.0	

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Matching pad 6dB - C.fact + 1.76 (50->75 ohms conversion)

Configuration of Tested System



Test Instrumentation Used

[illegible]

[REPORT OF MEASUREMENTS ON TV INTERFACE DEVICE]

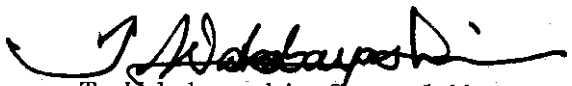
Date : September 18, 1998

Issued at : Kanagawa Japan

REPORT No. : JYT98014

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 : ASIP9K045
 - 2.2 Tuner/RF conv.type : QAU0115-x
 - 2.3 Brand (Trade Name) : JVC
 - 2.4 Model No. : HR-VP674U
 - 2.5 Serial No. : ES200026
 - 2.6 Designes for
RF Output Channels : Channel #3 and Channel #4
 - 2.7 Number of
RF Output Terminals : 1 (F-type Connector)
 - 2.8 RF Output Impedance : 75 ohms (Unbalanced)
 - 2.9 Power Supply : AC 120 V, 60Hz
 - 2.10 Date of Manufacturer : September, 1998
3. The Highest Frequency
generated in the EUT : 71.75MHz
4. External Connectors :
 - A/V Input/Output ports, RCA type
 - Cable box port, 3.5 ϕ mini jack type
 - Pause control port, 3.5 ϕ mini jack type
5. Connected Accessories for
the EUT :
 - Coaxial Cable with F-Type plug
 - Audio/Video Cables with RCA Plugs
 - Cable box controller with mini plug
 - Pause control cable with mini plug
6. Measuring Method : FCC Rules and Regulations Part 15 (B)
7. Measurement Procedure : ANSI C63.4-1992
8. Date of Measurement : Sep 15, 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.15.109 RADIATED RADIO EMISSION 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		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
36.4	<43.0	43.8	16.3	-29.2	40.0	<30.1	30.9
71.6	<51.0	54.9	6.6	-27.5	40.0	<30.1	34.0
100.3	<46.0	52.2	10.4	-26.6	43.5	<29.9	36.1
121.7	<41.0	42.1	13.2	-26.1	43.5	<28.1	29.2
590.3	31.3	<30.0	21.0	-19.9	46.0	32.4	<31.1

- NOTES: 1) Sample calculation at 36.4 MHz :
 Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.1 [dBuV/m] : 43.0 [dBuV] + 16.3 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100 [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$
- 2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)
Measurement Distance : 3 m

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200026

Report No. : JYT98014

Date. : Sep 15, 1998

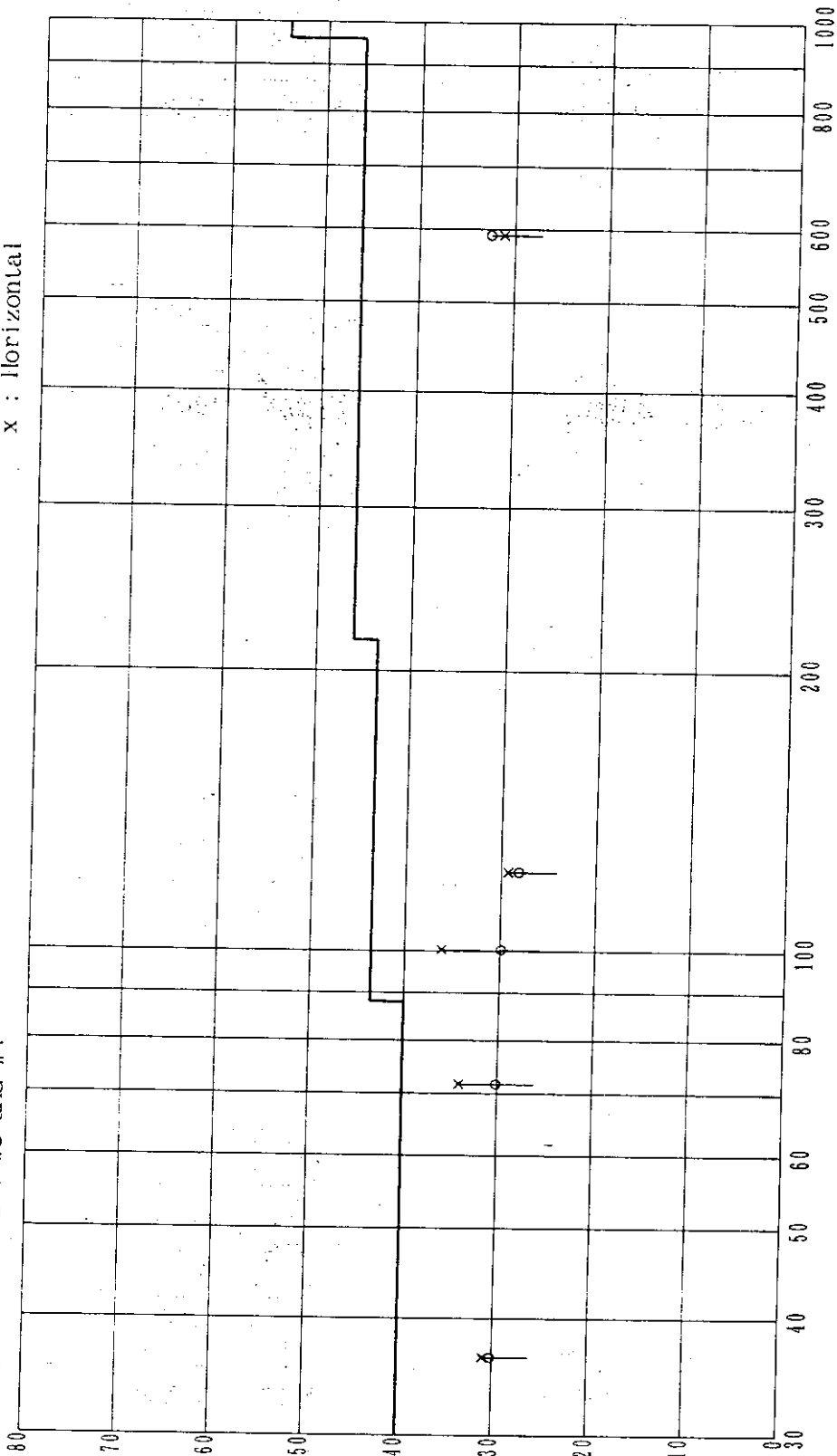
Video source connected to the EUT

RF Output Channels : #3 and #4

Limit Line

o : Vertical

x : Horizontal



Frequency (MHz)

RFI Field Strength (dBuV/m)

Section.15.109 RADIATED RADIO EMISSION 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		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
36.4	<43.0	41.9	16.3	-29.2	40.0	<30.1	29.0
71.6	<51.0	54.7	6.6	-27.5	40.0	<30.1	33.8
84.2	<45.0	50.1	7.2	-27.1	40.0	<25.1	30.2
98.8	<46.0	51.0	10.1	-26.6	43.5	<29.5	34.5
164.7	39.3	<37.7	15.5	-25.2	43.5	29.6	<28.0
534.8	34.7	<33.0	19.9	-20.8	46.0	33.9	<32.2

- NOTES: 1) Sample calculation at 36.4 MHz :
 Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.1 [dBuV/m] : 43.0 [dBuV] + 16.3 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100. [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$
- 2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)
Measurement Distance : 3 m

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200026

Report No. : JYT98014

Date. : Sep 15, 1998

Video source connected to the EUT

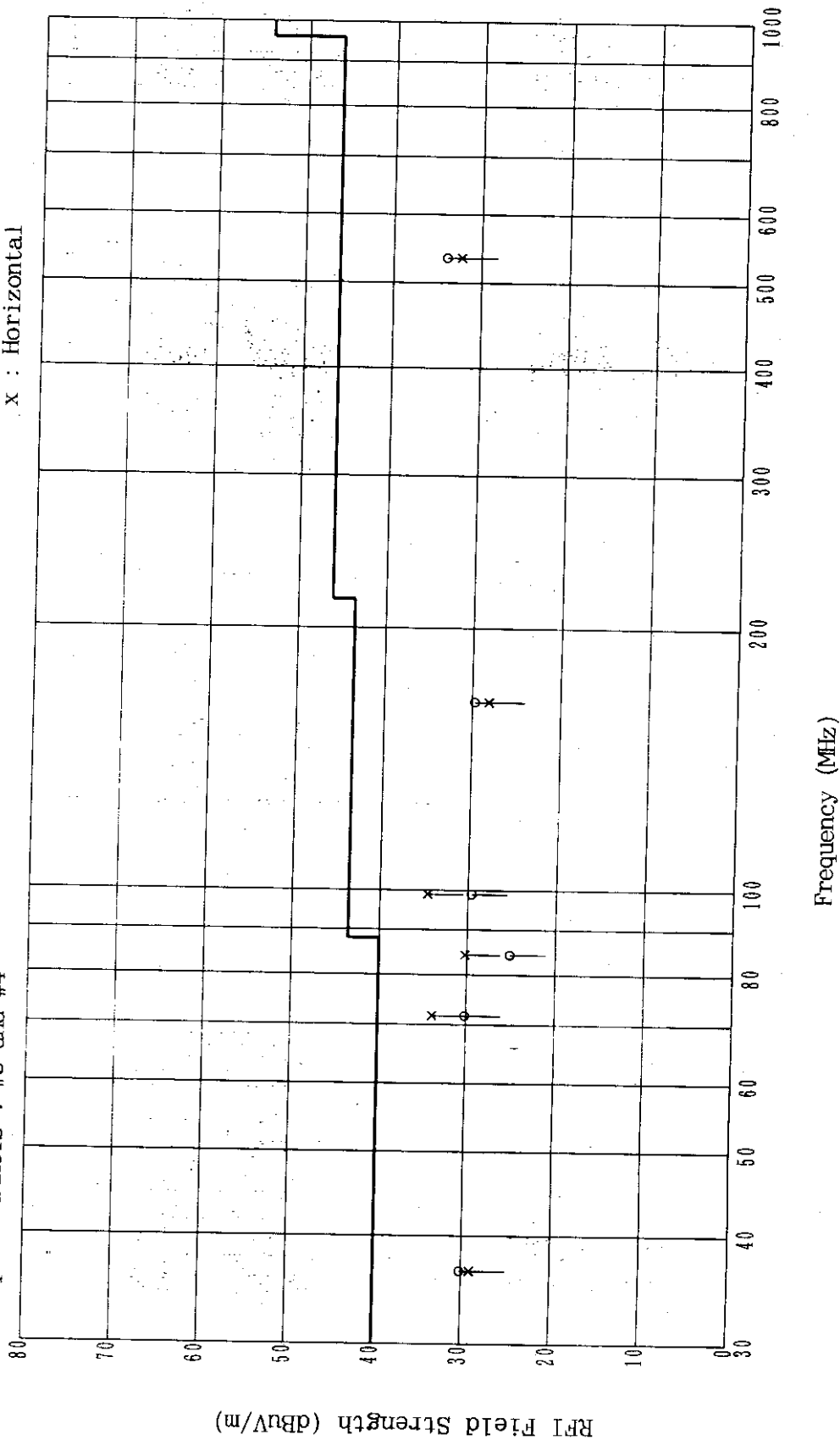
: External (VITS at 1Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

o : Vertical

x : Horizontal



Section.15.109 RADIATED RADIO EMISSION 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		Correction factor			Field strength at 3m	
	[dBuV]		[dB]			[dBuV/m]	
	Horizontal	Vertical	Ant.Fac.	Gain/Loss	Limits	Horizontal	Vertical
35.9	<43.0	43.2	16.5	-29.2	40.0	<30.3	30.5
71.6	<51.0	55.0	6.6	-27.5	40.0	<30.1	34.1
85.9	<50.0	51.2	7.5	-27.1	40.0	<30.4	31.6
99.2	<46.0	48.1	10.2	-26.6	43.5	<29.6	31.7
164.7	39.0	<38.0	15.5	-25.2	43.5	29.3	<28.3
544.9	33.1	<32.0	20.1	-20.6	46.0	32.6	<31.5

- NOTES: 1) Sample calculation at 35.9 MHz :
 Field strength : Meter Reading + Antenna Fac. + Gain/Loss *
 30.3 [dBuV/m] : 43.0 [dBuV] + 16.5 [dB] + (-29.2) [dB]
 * Gain/Loss [dB] = Cable loss - Amp.Gain + Att.Pad loss, 6dB
 Limits : $100[\mu\text{V/m}] = 20 \log (100. [\mu\text{V/m}]) = 40 [\text{dBuV/m}]$
- 2) The spectrum was checked from 30 at 1000 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) Arrangement of the Interface Cables : Refer to the photographs.

Section.15.109

Results of Radiated Emission Measurements.

Measurement Method : FCC Rules and Regulations Part 15 (B)
Measurement Distance : 3 m

EUT : Videocassette Recorder
Model No. : HR-VP674U
Serial No. : ES200026

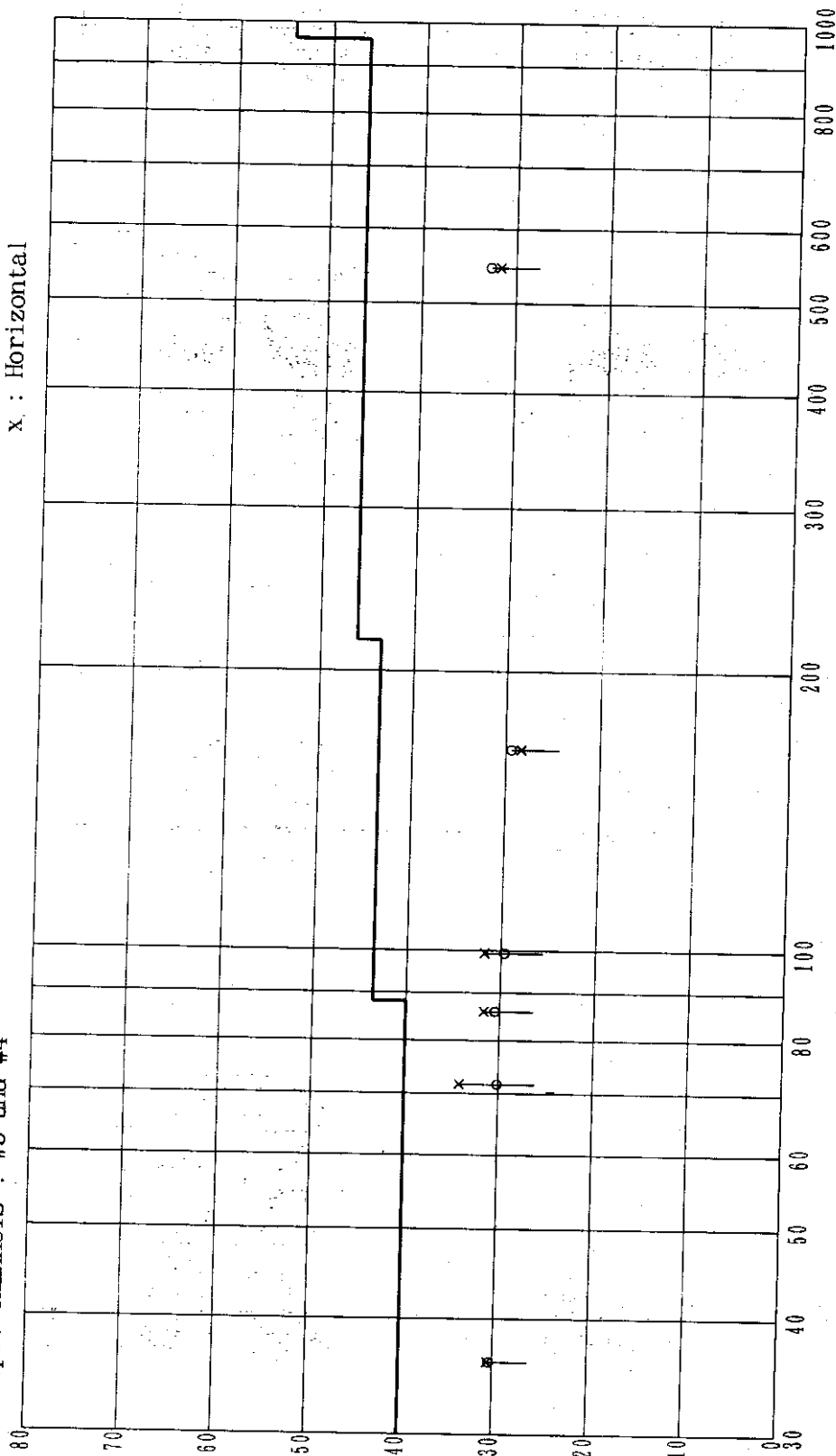
Report No. : JYT98014
Date. : Sep 15, 1998

Video source connected to the EUT

: External (VITS at 5Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line
o : Vertical
x : Horizontal



Frequency (MHz)

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		LISN factor [dB]	Limits [dBuV]	Radio noise voltage	
	Va	Vb			Va	Vb
	[dBuV]	[dBuV]			[dBuV]	
0.45	34.8	35.9	0.6	48.0	35.4	36.5
0.53	31.1	30.8	0.6	48.0	31.7	31.4
0.64	27.8	27.8	0.7	48.0	28.5	28.5
1.03	18.7	19.7	0.8	48.0	19.5	20.5
1.26	19.5	19.2	0.8	48.0	20.3	20.0
2.66	24.7	23.0	0.7	48.0	25.4	23.7
2.87	23.1	22.9	0.7	48.0	23.8	23.6
6.33	16.2	15.2	0.6	48.0	16.8	15.8
11.54	19.3	20.4	0.5	48.0	19.8	20.9
29.05	19.9	23.5	1.0	48.0	20.9	24.5

- NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $34.8 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.4 \text{ (dBuV/m)}$
 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. : HR-VP674U

Serial No. : ES200026

Report No. : JYT98014

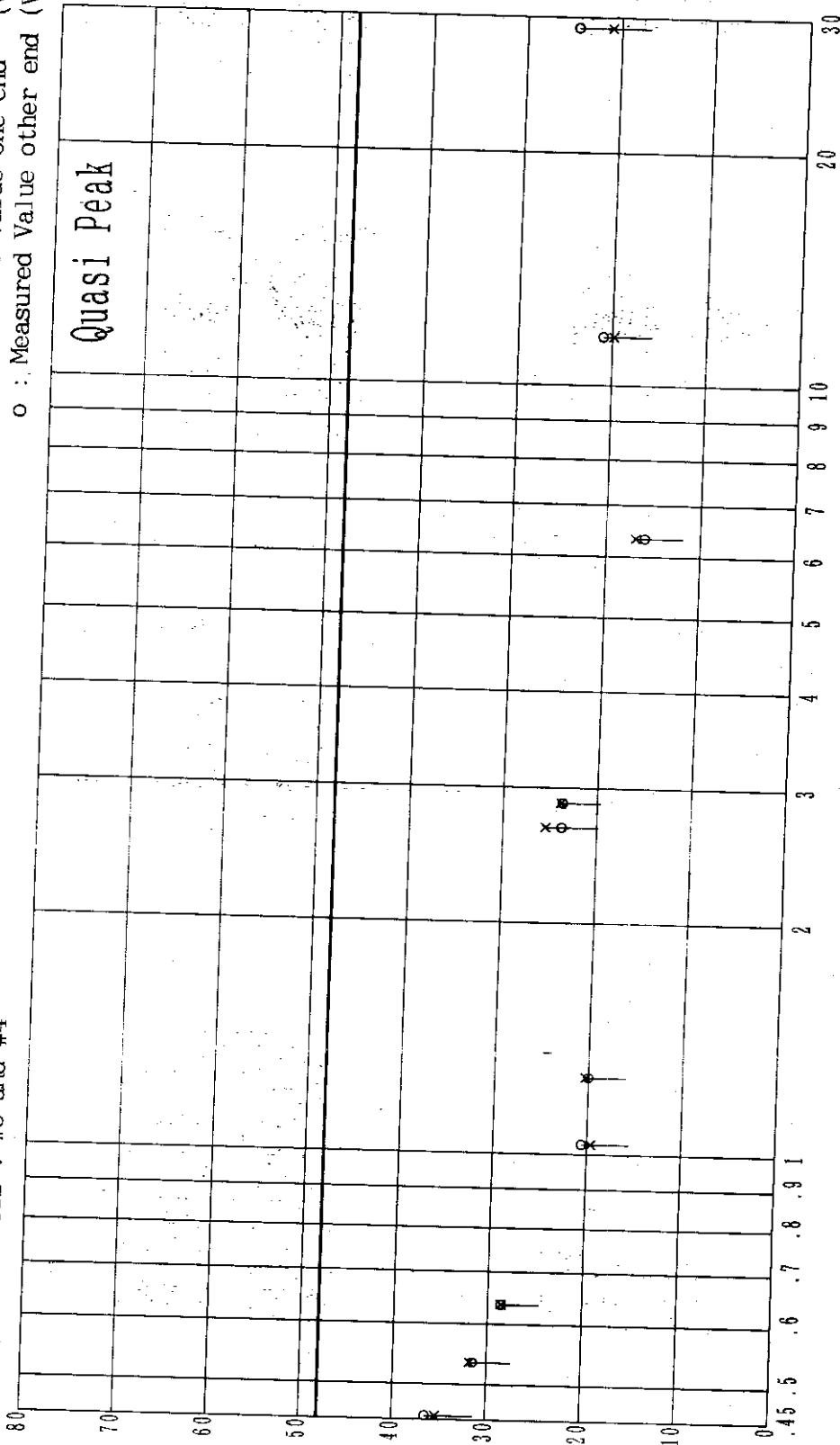
Date. : Sep 15, 1998

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)



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
0.46	34.5	35.3	0.6	48.0	35.1	35.9
0.56	30.7	31.7	0.7	48.0	31.4	32.4
0.66	29.1	29.0	0.8	48.0	29.9	29.8
0.89	27.0	27.7	0.8	48.0	27.8	28.5
1.44	27.2	27.6	0.8	48.0	28.0	28.4
1.86	23.3	21.4	0.7	48.0	24.0	22.1
2.37	26.8	28.1	0.7	48.0	27.5	28.8
3.38	22.6	22.0	0.7	48.0	23.3	22.7
4.55	16.7	18.4	0.7	48.0	17.4	19.1
6.43	20.8	20.5	0.6	48.0	21.4	21.1
26.71	18.4	20.5	0.9	48.0	19.3	21.4

- NOTES: 1) Sample calculation at 0.46 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. : HR-VP674U

Serial No. : ES200026

Video source connected to the EUT

Rf Output Channels : #3 and #4

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

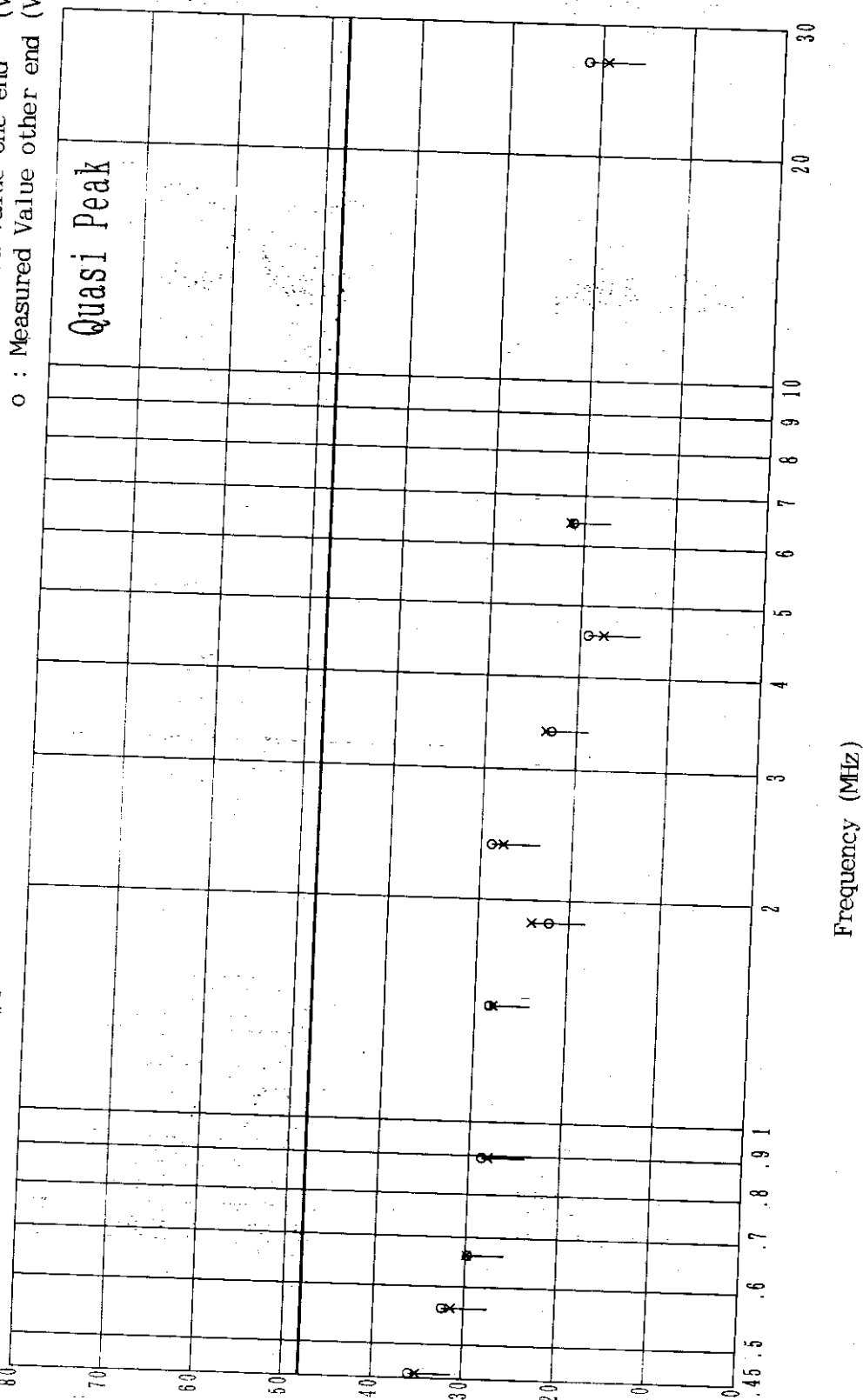
Report No. : JY198014

Date. : Sep 15, 1998

— Limit Line

x : Measured Value one end (Va)

o : Measured Value other end (Vb)



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	35.2	34.9	0.6	48.0	35.8	35.5
0.55	30.8	31.7	0.7	48.0	31.5	32.4
0.66	29.3	30.2	0.7	48.0	30.0	30.9
1.00	24.0	27.3	0.8	48.0	24.8	28.1
1.45	25.8	27.9	0.8	48.0	26.6	28.7
1.64	26.3	22.2	0.8	48.0	27.1	23.0
2.37	27.0	27.2	0.7	48.0	27.7	27.9
2.55	25.2	25.4	0.7	48.0	25.9	26.1
3.38	21.8	22.9	0.7	48.0	22.5	23.6
6.35	20.8	20.9	0.6	48.0	21.4	21.5
11.13	19.3	20.5	0.5	48.0	19.8	21.0
29.25	18.8	19.7	1.0	48.0	19.8	20.7

- NOTES: 1) Sample calculation at 0.45 MHz (Va) :
 $35.2 \text{ (dBuV)} + 0.6 \text{ (dB)} = 35.8 \text{ (dBuV/m)}$
 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. : HR-VP674U

Serial No. : ES200026

Report No. : JYI98014

Date. : Sep 15, 1998

Video source connected to the EUT

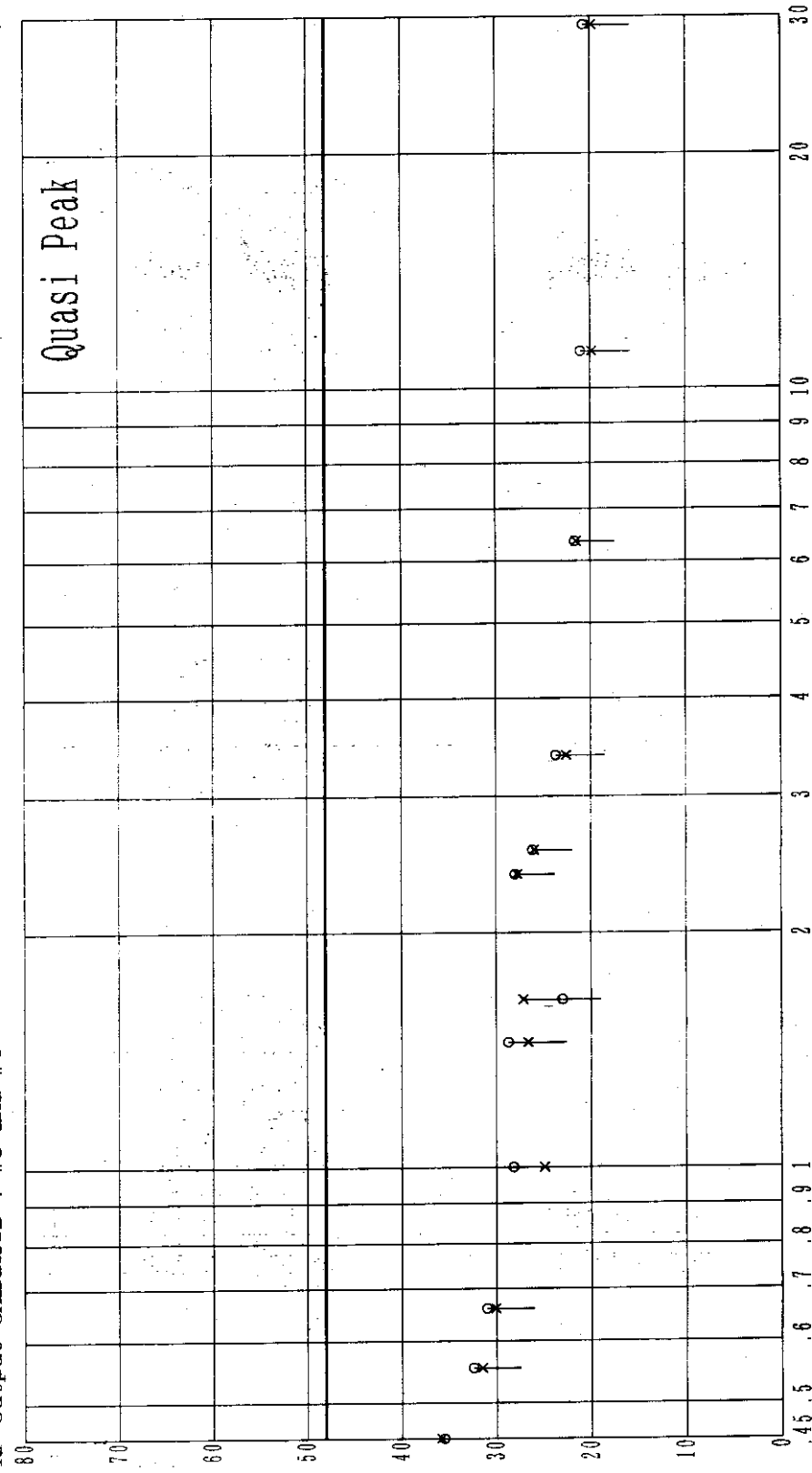
: External(VITS at 5Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Measured Value one end (Va)

o : Measured Value other end (Vb)



Frequency (MHz)

RFI Voltage (dBuV)

Section.15.115 (b)(1) OUTPUT SIGNAL LEVEL

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

RF Output channel	Measured carrier freq.		Meter reading		Matching pad loss [dB]	RF Output signal level			
	[MHz]		[dBuV]			[dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.25	65.74	59.8	45.2	6.0	69.5	67.6	56.5	53.0
4	67.25	71.76	59.8	44.7	6.0	69.5	67.6	56.5	52.5

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

RF Output channel	Measured carrier freq.		Meter reading		Matching pad loss [dB]	RF Output signal level			
	[MHz]		[dBuV]			[dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.25	65.74	59.8	45.6	6.0	69.5	67.6	56.5	53.4
4	67.25	71.76	59.8	45.4	6.0	69.5	67.6	56.5	53.2

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

RF Output channel	Measured carrier freq.		Meter reading		Matching pad loss [dB]	RF Output signal level			
	[MHz]		[dBuV]			[dB]			
	Visual	Aural	Visual	Aural		Limits	Visual	Limits	Aural
3	61.25	65.74	59.8	45.7	6.0	69.5	67.6	56.5	53.5
4	67.25	71.76	59.8	45.4	6.0	69.5	67.6	56.5	53.2

NOTES: 1) Sample calculation at 61.25 MHz :
 $59.8 \text{ (dBuV)} + 6.0 \text{ (dB)} + 1.76 \text{ (dB)} = 67.6 \text{ (dBuV)}$
 (50ohm→75ohm)

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

3) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 300kHz

4) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	30.5	6.0	29.4	39.5	8.8
47.8	33.0	6.0	29.4	39.5	11.4
74.8	34.6	6.0	29.2	39.5	13.1
110.6	33.9	6.0	29.1	39.5	12.6
122.5	36.8	6.0	29.0	39.5	15.5
179.3	29.6	6.0	28.9	39.5	8.5
183.8	43.0	6.0	28.9	39.5	21.9
188.3	30.4	6.0	28.8	39.5	9.3
367.5	35.1	6.0	28.9	39.5	14.0
428.7	37.1	6.0	28.9	39.5	16.0
847.0	33.6	6.0	27.2	39.5	14.1

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	30.8	6.0	29.4	39.5	9.1
47.8	33.3	6.0	29.4	39.5	11.7
74.8	34.9	6.0	29.2	39.5	13.4
75.6	29.3	6.0	29.2	39.5	7.9
110.3	32.3	6.0	29.1	39.5	11.0
110.6	37.4	6.0	29.1	39.5	16.1
114.3	32.5	6.0	29.1	39.5	11.2
115.5	33.7	6.0	29.1	39.5	12.4
122.5	36.7	6.0	29.0	39.5	15.4
179.3	29.9	6.0	28.9	39.5	8.8
183.8	42.9	6.0	28.9	39.5	21.8
188.3	30.4	6.0	28.8	39.5	9.3
367.5	35.5	6.0	28.9	39.5	14.4
428.8	37.4	6.0	28.9	39.5	16.3
847.0	34.0	6.0	27.2	39.5	14.5

- NOTES: 1) Sample calculation at 40.5 MHz :
 $30.8 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.4 \text{ (dB)} + 1.76 \text{ (dB)} = 9.1 \text{ (dBuV)}$
 (50ohm->75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section 15.115 (b)(2)

Output Terminal Conducted Spurious Emission Measurements.

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

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200026

Video source connected to the EUT

: Internal (Recorded Tape) 'PLAY Mode'

RF Output Channels : #3 and #4

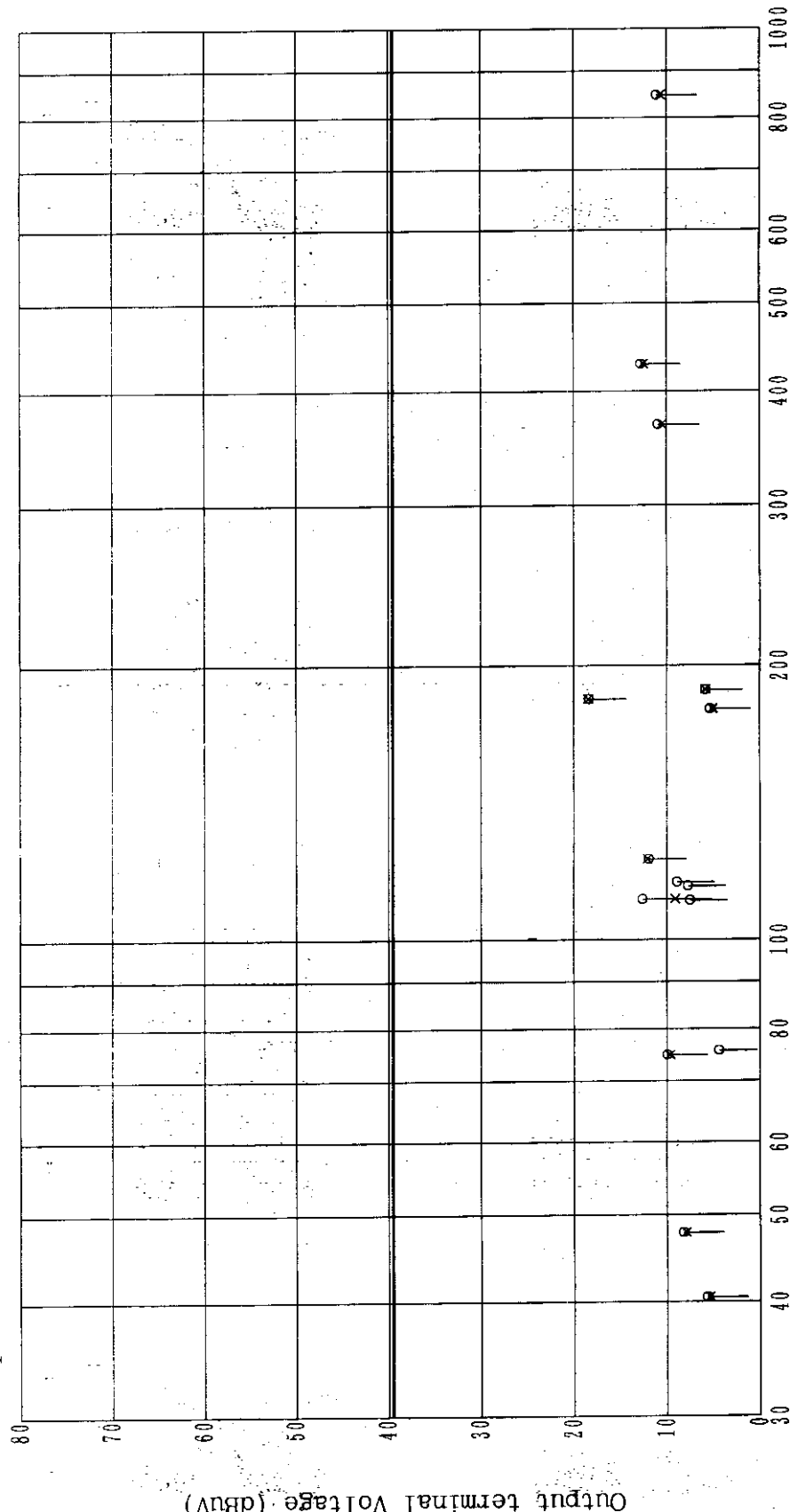
Report No. : JYI98014

Date. : Sep 15, 1998

— Limit Line

x : Channel 3

o : Channel 4



Frequency (MHz)

Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	30.4	6.0	29.4	39.5	8.7
47.8	33.0	6.0	29.4	39.5	11.4
74.8	34.9	6.0	29.2	39.5	13.4
110.6	30.5	6.0	29.1	39.5	9.2
112.9	32.5	6.0	29.1	39.5	11.2
114.3	33.2	6.0	29.1	39.5	11.9
115.5	37.1	6.0	29.1	39.5	15.8
118.0	34.8	6.0	29.1	39.5	13.5
122.5	36.4	6.0	29.0	39.5	15.1
179.3	30.0	6.0	28.9	39.5	8.9
183.8	42.8	6.0	28.9	39.5	21.7
188.3	30.5	6.0	28.8	39.5	9.4
367.5	35.8	6.0	28.9	39.5	14.7
428.8	37.3	6.0	28.9	39.5	16.2
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	30.8	6.0	29.4	39.5	9.1
53.8	34.1	6.0	29.3	39.5	12.5
80.8	33.4	6.0	29.2	39.5	12.0
110.6	30.5	6.0	29.1	39.5	9.2
112.9	31.2	6.0	29.1	39.5	9.9
115.5	32.3	6.0	29.1	39.5	11.0
118.0	31.8	6.0	29.1	39.5	10.5
134.5	34.7	6.0	29.0	39.5	13.4
197.3	30.3	6.0	28.8	39.5	9.3
201.7	41.9	6.0	28.8	39.5	20.9
336.2	38.5	6.0	28.8	39.5	17.5
403.5	34.3	6.0	29.0	39.5	13.1
470.7	33.8	6.0	28.8	39.5	12.8
500.0	< 24.0	6.0	28.8	39.5	< 3.0
1000.0	< 21.0	6.0	26.2	39.5	< 2.6

- NOTES: 1) Sample calculation at 40.5 MHz :
 $30.8 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.4 \text{ (dB)} + 1.76 \text{ (dB)} = 9.1 \text{ (dBuV)}$
 (50ohm→75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2) Output Terminal Conducted Spurious Emission Measurements.

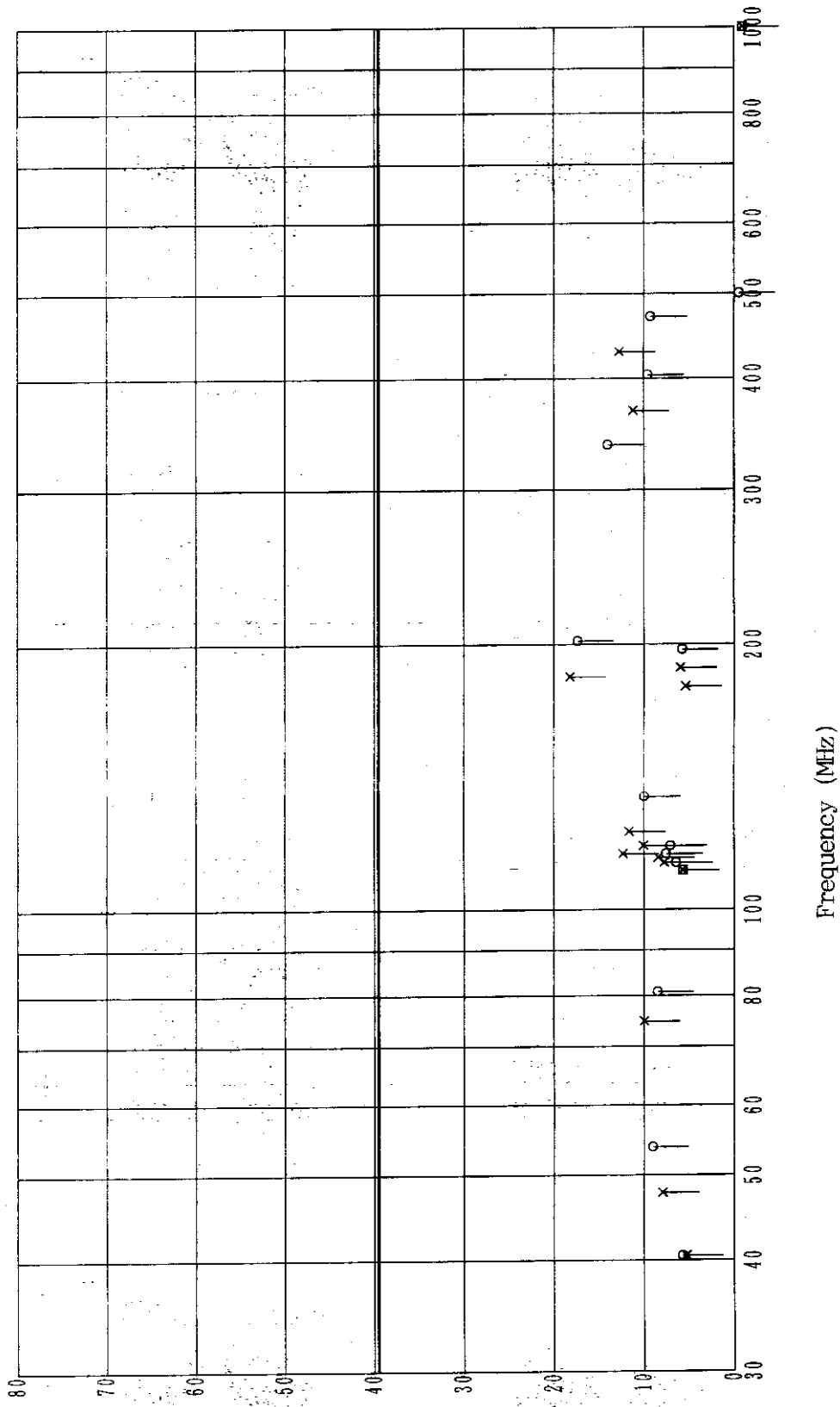
Measurement Method : FCC Rules and Regulations Part 15 (B)

EUT : Videocassette Recorder
Model No. : HR-VP674U
Serial No. : ES200026

Report No. : JY198014
Date. : Sep 15, 1998

Video source connected to the EUT
: External (VITS at 1Vp-p) 'REC Mode'
RF Output Channels : #3 and #4

— Limit Line
x : Channel 3
o : Channel 4



Section.15.115 (b)(2)

OUTPUT TERMINAL CONDUCTED SPURIOUS EMISSION MEASUREMENT

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

RF Output Channels : #3

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	30.7	6.0	29.4	39.5	9.0
47.8	33.1	6.0	29.4	39.5	11.5
74.8	35.0	6.0	29.2	39.5	13.5
110.6	34.8	6.0	29.1	39.5	13.5
112.9	30.5	6.0	29.1	39.5	9.2
114.3	32.0	6.0	29.1	39.5	10.7
115.5	35.1	6.0	29.1	39.5	13.8
122.5	36.8	6.0	29.0	39.5	15.5
183.7	42.4	6.0	28.9	39.5	21.3
188.3	30.5	6.0	28.8	39.5	9.4
367.5	35.3	6.0	28.9	39.5	14.2
428.8	37.0	6.0	28.9	39.5	15.9
847.0	33.9	6.0	27.2	39.5	14.4

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

RF Output Channels : #4

Frequency of the emission [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
40.5	31.2	6.0	29.4	39.5	9.5
53.8	34.5	6.0	29.3	39.5	12.9
80.8	33.3	6.0	29.2	39.5	11.9
110.6	35.7	6.0	29.1	39.5	14.4
112.9	31.3	6.0	29.1	39.5	10.0
114.3	31.5	6.0	29.1	39.5	10.2
134.5	35.0	6.0	29.0	39.5	13.7
201.7	42.1	6.0	28.8	39.5	21.1
336.3	38.2	6.0	28.8	39.5	17.2
403.5	34.2	6.0	29.0	39.5	13.0
470.7	31.3	6.0	28.8	39.5	10.3
847.0	34.4	6.0	27.2	39.5	14.9

- NOTES: 1) Sample calculation at 40.5 MHz :
 $31.2 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.4 \text{ (dB)} + 1.76 \text{ (dB)} = 9.5 \text{ (dBuV)}$
 (50ohm→75ohm)
- 2) The spectrum was checked from 30 at 1000 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) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 800kHz
- 5) Impedance at the output terminal : 75 ohm (Unbalanced)

Section.15.115 (b)(2)

Output Terminal Conducted Spurious Emission Measurements.

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

EUT : Videocassette Recorder

Model No. : HR-VP674U

Serial No. : ES200026

Report No. : JY198014

Date. : Sep 15, 1998

Video source connected to the EUT

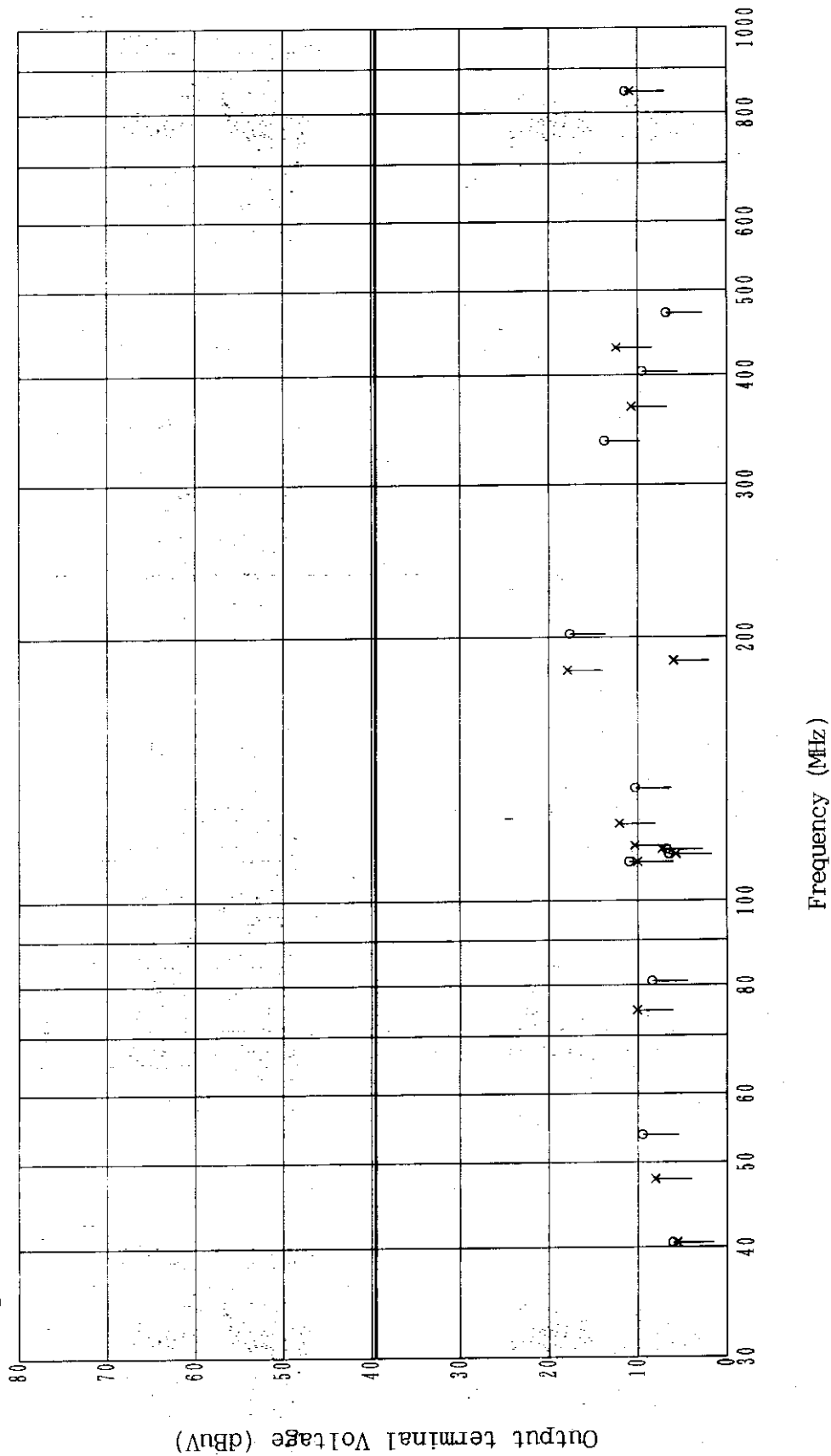
: External (VITS at 5Vp-p) 'REC Mode'

RF Output Channels : #3 and #4

— Limit Line

x : Channel 3

o : Channel 4



Section.15.115 (b)(c) TRANSFER SWITCH ISOLATION MEASUREMENT

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.25	29.4	6.0	29.3	9.5	7.9
4	67.25	29.8	6.0	29.3	9.5	8.3

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.25	29.6	6.0	29.3	9.5	8.1
4	67.25	29.6	6.0	29.3	9.5	8.1

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

RF Output channel	Measured carrier freq. [MHz]	Meter reading [dBuV]	Matching pad loss [dB]	Gain of pre amp. [dB]	Limits [dBuV]	Results [dBuV]
3	61.25	29.7	6.0	29.3	9.5	8.2
4	67.25	29.8	6.0	29.3	9.5	8.3

NOTES: 1) Sample calculation at 61.25 MHz :
 $29.4 \text{ (dBuV)} + 6.0 \text{ (dB)} - 29.3 \text{ (dB)} + 1.76 \text{ (dB)} = 7.9 \text{ (dBuV)}$
 (50ohm→75ohm)

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

3) Spectrum Analyzer : SPAN : 10MHz SWP : 50ms
 RES BW : 100kHz VBW : 300kHz

4) Impedance at the output terminal : 75 ohm (Unbalanced)

<Radiated Emission>

Caused by the local oscillator

Channel	Freq [MHz]	Meter reading [dBuV]	Ant fact [dB]	C. fact [dB]	Matching pad [dB]	Corrected reading [dBuV/m]	Polarization	Limit [dBuV/m]
2	101	< 38.7	10.84	25.49	6.0	< 30.0	Vertical	43.5
	202	< 26.2	16.82	24.03		< 25.0		46.0
	303	< 30.6	16.43	22.98		< 30.0		
	1010	< 34.7	26.71	27.38		< 40.0		54.0
	1616	< 36.8	29.41	27.23		< 45.0		
4	113	< 36.9	12.46	25.31	6.0	< 30.0	Horizontal	43.5
	226	< 30.1	17.11	23.21		< 30.0		46.0
	339	< 29.6	16.79	22.35		< 30.0		
	1017	< 34.7	26.71	27.37		< 40.0		54.0
	1695	< 37.8	28.55	27.39		< 45.0		
6	129	< 34.9	14.07	24.93	6.0	< 30.0	Horizontal	43.5
	258	< 29.5	17.74	23.24		< 30.0		46.0
	387	< 28.5	17.27	21.81		< 30.0		
	1032	< 34.6	26.72	27.34		< 40.0		54.0
	1677	< 37.6	28.74	27.35		< 45.0		
8	227	< 30.1	17.12	23.22	6.0	< 30.0	Horizontal	46.0
	454	< 36.5	18.53	31.07		< 30.0		
	681	< 24.7	22.56	18.28		< 35.0		
	1135	< 33.8	27.31	27.13		< 40.0		54.0
	1589	< 36.5	29.70	27.18		< 45.0		
10	239	< 30.1	17.27	23.37	6.0	< 30.0	Horizontal	46.0
	478	< 25.3	19.04	20.33		< 30.0		
	717	< 24.0	22.72	17.70		< 35.0		
	1195	< 32.7	28.28	27.01		< 40.0		54.0
	1673	< 37.6	28.79	27.35		< 45.0		
12	251	< 30.0	17.44	23.47	6.0	< 30.0	Vertical	46.0
	502	< 24.2	19.56	19.80		< 30.0		
	753	< 23.3	22.97	17.30		< 35.0		
	1004	< 34.7	26.70	27.39		< 40.0		54.0
	1506	< 35.5	30.54	27.01		< 45.0		
14	517	< 28.8	19.99	19.80	6.0	< 35.0	Vertical	46.0
	1034	29.6	26.72	27.33		< 35.0		54.0
	1551	< 36.0	30.08	27.10		< 45.0		
20	553	< 27.8	21.04	19.79	6.0	< 35.0	Vertical	46.0
	1106	37.0	26.85	27.19		42.7		54.0
	1659	< 37.4	28.94	27.32		< 45.0		
28	601	24.2	22.40	19.59	6.0	33.0	Horizontal	46.0
	1202	36.0	28.36	27.00		43.4	Vertical	54.0
36	649	< 25.4	22.50	18.91	6.0	< 35.0	Horizontal	46.0
	1298	< 35.8	28.59	27.00		< 43.4		54.0

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Ant Fact + Matching pad 6dB - C.fact

<Radiated Emission>

Caused by the local oscillator

Channel	Freq [MHz]	Meter reading [dBuV]	Ant fact [dB]	C. fact [dB]	Matching pad [dB]	Corrected reading [dBuV/m]	Polarization	Limit [dBuV/m]
45	703	24.2	22.62	17.86	6.0	< 35.0	Horizontal	46.0
	1406	36.2	30.12	26.81		45.6	Vertical	54.0
53	751	25.0	22.96	17.30	6.0	36.7	Horizontal	46.0
	1502	< 35.4	30.58	27.00		< 45.0		54.0
61	799	21.2	23.29	17.30	6.0	33.2	Vertical	46.0
	1598	36.9	29.61	27.20		45.3		54.0
68	841	24.5	24.04	16.89	6.0	37.7	Horizontal	46.0
	1682	38.3	28.69	27.36		45.7	Vertical	54.0
69	847	25.8	24.15	16.83	6.0	39.1	Horizontal	46.0
	1694	37.5	29.05	27.39		45.1	Vertical	54.0

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Ant Fact + Matching pad 6dB - C.fact

<Antenna power conduction for receivers>

Section 15.111(a)

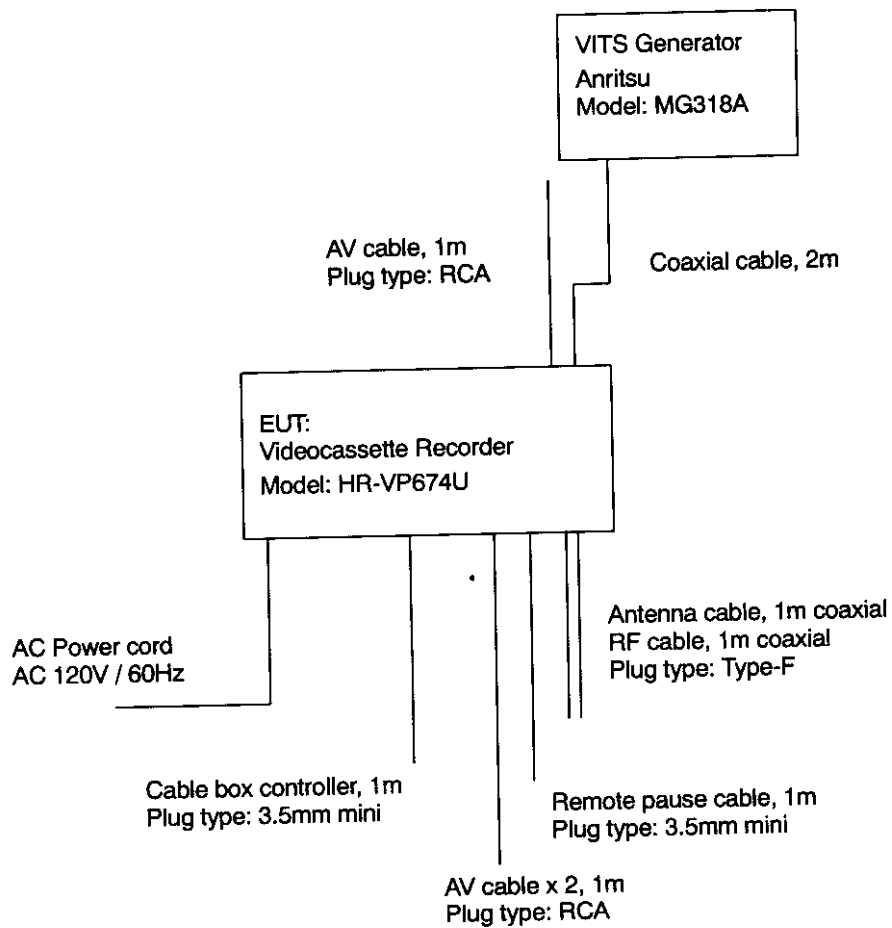
Channel	Freq [MHz]	Meter reading [dBuV]	C. fact [dB]	Corrected reading [dBuV/m]	Limit [dBuV/m]
2	101	< 56.8	28.80	< 40.0	52.0
	202	< 57.4	29.39	< 40.0	
	303	< 58.1	30.12	< 40.0	
	1010	< 55.2	27.24	< 40.0	
	1616	< 55.5	27.45	< 40.0	
4	113	< 56.8	28.75	< 40.0	52.0
	226	< 57.5	29.46	< 40.0	
	339	< 58.1	30.12	< 40.0	
	1017	< 55.2	27.24	< 40.0	
	1695	< 54.5	26.52	< 40.0	
6	129	< 57.1	29.11	< 40.0	52.0
	258	< 47.6	29.63	< 30.0	
	387	< 48.1	30.12	< 30.0	
	1161	< 45.1	27.10	< 30.0	
	1290	53.8	26.48	39.3	
	1419	< 44.8	26.78	< 30.0	
	1677	< 44.7	26.73	< 30.0	
7	221	< 47.5	29.45	< 30.0	52.0
	442	< 48.2	30.19	< 30.0	
	663	< 47.4	29.37	< 30.0	
	1105	< 45.2	27.24	< 30.0	
	1326	< 54.1	26.54	< 39.6	
	1547	< 44.9	26.91	< 30.0	
8	227	< 47.5	29.47	< 30.0	52.0
	454	< 48.2	30.21	< 30.0	
	681	< 47.3	29.33	< 30.0	
	1135	< 45.2	27.16	< 30.0	
	1362	55.9	26.72	41.2	
	1589	< 45.5	27.49	< 30.0	
9	233	< 47.5	29.49	< 30.0	52.0
	466	< 48.2	30.23	< 30.0	
	699	< 47.3	29.29	< 30.0	
	1165	< 45.1	27.09	< 30.0	
	1398	56.1	26.89	41.2	
	1631	< 45.3	27.27	< 30.0	
10	239	< 47.5	29.50	< 30.0	52.0
	478	< 48.2	30.24	< 30.0	
	717	< 47.1	29.08	< 30.0	
	1195	< 45.0	27.01	< 30.0	
	1434	53.7	26.68	39.1	
	1673	< 44.8	26.78	< 30.0	

Channel	Freq [MHz]	Meter reading [dBuV]	C. fact [dB]	Corrected reading [dBuV/m]	Limit [dBuV/m]
12	251	< 47.6	29.55	< 30.0	52.0
	502	< 48.3	30.26	< 30.0	
	753	< 46.6	28.64	< 30.0	
	1004	< 45.2	27.24	< 30.0	
14	517	< 48.2	30.15	< 30.0	52.0
	1034	< 45.2	27.24	< 30.0	
	1551	< 45.0	26.96	< 30.0	
20	553	< 57.9	29.87	< 40.0	52.0
	1106	< 55.2	27.24	< 40.0	
	1659	< 54.9	26.94	< 40.0	
28	601	< 57.5	29.51	< 40.0	52.0
	1202	< 55.0	26.99	< 40.0	
36	649	< 57.4	29.40	< 40.0	52.0
	1298	< 54.4	26.43	< 40.0	
45	703	< 57.3	29.25	< 40.0	52.0
	1406	53.8	26.86	38.9	
46	709	< 47.2	29.18	< 30.0	52.0
	1418	54.7	26.78	39.9	
47	715	< 47.1	29.11	< 30.0	52.0
	1430	54.9	26.71	40.2	
48	721	< 47.0	29.03	< 30.0	52.0
	1442	55.7	26.63	41.0	
49	727	< 47.0	28.96	< 30.0	52.0
	1454	56.4	26.55	41.9	
50	733	< 46.9	28.88	< 30.0	52.0
	1466	55.8	26.48	41.3	
51	739	< 46.8	28.81	< 30.0	52.0
	1478	55.8	26.40	41.4	
52	745	< 46.7	28.74	< 30.0	52.0
	1490	55.6	26.32	41.3	
53	751	< 46.7	28.66	< 30.0	52.0
	1502	53.9	26.29	39.6	
61	799	< 46.1	28.07	< 30.0	52.0
	1598	54.3	27.61	38.6	
69	847	< 46.1	28.06	< 30.0	52.0
	1694	53.2	26.53	38.7	

C.fact = Correction factor (Pre amp. + Cable loss)

Corrected reading = Meter reading + Matching pad 6dB - C.fact + 1.76 (50->75 ohms conversion)

Configuration of Tested System



[illegible]