

Matsushita Kotobuki Electronics Industries Ltd.

Visual Products Division
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Date : Oct. 11, 2001

REPORT OF MEASUREMENTS-(Part I) REQUIRED IN (X) Part 18 (ISM EQUIPMENT)

EXHIBIT # : 3
FCC ID : ACJ927142L
OUR REF. : MKES01-F007
MODEL NO. : PV-L352D
Sheet 1 of 8 Sheets

Name of Manufacturer: Matsushita Kotobuki Electronics Industries Ltd.

Address of Manufacturer: 247 Fukutake, Saijo, Ehime, Japan

Device Under Measurement

FCC ID : ACJ927142L
Model No. : PV-L352D
Trade Name : Panasonic
Applicant : Matsushita Electric Ind. Co., Ltd

This device is a representative model of KC-2002LCD chassis group.

Data Also Applied To

FCC ID Model No. (Trade Name)

Device Description

Name of Device : Color LCD Electronic View Finder(Part of Video Camera)
Frequency : 100 kHz $\pm$ 10 kHz
Accessories : AC Adaptor (PV-A19 or PV-A20),
Video / Audio out cable (1.5 meter)

Certification

On the basis of the measurement data contained in Part II, all devices bearing the aforementioned FCC ID (model No., chassis No. and trade names) are stated by the undersigned to be capable of complying with the applicable sections of Part 18 of the FCC rules governing restricted radiation devices at the time of manufacture and may be expected to continue to comply under normal conditions and with usual maintenance. The undersigned also states that the device measured was an engineering prototype, pre production, or production unit. If changes are applied to future units and such changes adversely alter spurious radiation, an amended report of measurements will be supplied to the FCC.



K. Ishikawa
Coordinator

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Part 18, (ISM EQUIPMENT) - Part II

Name of Device : Color LCD Electronic View Finder
FCC ID : ACJ927142L
Nominal Operating Frequency : 100 kHz $\pm$ 10 kHz
Rated Power Consumption : DC 6V / 8.5 W, (With Video Camera)
Maximum RF Energy : 2.5 W
Illumination : 1.2 W Fluorescent Lamp
Intended Use : Illumination, Consumer Equipment
Measurement Site : MKS Site
Measurement Procedure : FCC OST MP-5

Note:

(1) Detailed report: Refer to attached sheets.

I HEREBY STATE THAT: The measurements shown in Part II of this form were made in accordance with the procedures indicated and the energy emitted by this equipment was found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements and vouch for the qualifications of all persons taking them.

I FURTHER STATE THAT: On the basis of the measurements made, the device tested is capable of operation in compliance with the requirements of Part 18 of the FCC Rules under normal use and maintenance.



T. Watanabe
Engineer

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5) 18.307 Power Line Conducted Interference

(Pulse transformer: ETJ11K95AM / AC Adaptor: PV-A19)

Freq. (MHz)	Meter Reading (dBuV)		LISN Factor (dB)	Interference (dBuV)		Limits (dBuV)
	1-end & Grounded	The other- End & Gro.		1-end & Grounded	The other- End & Gro	
0.56	28.7	37.2	0.1	28.8	37.3	48.0
0.65	26.9	33.1	0.1	27.0	33.2	
0.81	18.1	34.4	0.1	18.2	34.5	
0.98	21.4	33.1	0.1	21.5	33.2	
1.65	19.8	33.3	0.2	20.0	33.5	
5.33	39.5	41.6	0.4	39.9	42.0	

Note:

1. Sample calculation at 1-end & Gro. 0.56 MHz; $28.7 + 0.1 = 28.8$ (dBuV)

2. Measuring Instruments:

a) Field strength meter - Kyoritsu Electric Work Co., Model KNM-2403

(1) Detector function : CISPR Q-Peak

(2) IF band width : 9 kHz

(3) Input impedance : 50 ohms

b) Line impedance stabilized net work (LISN)

- Kyoritsu Electric Work Co., Model KNW-406

50 ohms / 50 uH net work

3. The spectrum was checked from 0.45 MHz to 30 MHz and the six highest emissions relative to the appropriate limit were measured and reported.

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5) 18.307 Power Line Conducted Interference

(Pulse transformer: ETJ11K114AM / AC Adaptor: PV-A19)

Freq. (MHz)	Meter Reading (dBuV)		LISN Factor (dB)	Interference (dBuV)		Limits (dBuV)
	1-end & Grounded	The other- End & Gro.		1-end & Grounded	The other- End & Gro	
0.56	29.2	37.8	0.1	29.3	37.9	48.0
0.70	28.1	33.4	0.1	28.2	33.5	
0.81	18.9	35.2	0.1	19.0	35.3	
0.99	19.7	34.3	0.1	19.8	34.4	
2.12	20.9	35.0	0.2	21.1	35.2	
5.36	38.0	40.5	0.4	38.4	40.9	

Note:

1. Sample calculation at 1-end & Gro. 0.56 MHz; 29.2 + 0.1 = 29.3 (dBuV)

2. Measuring Instruments:

a) Field strength meter - Kyoritsu Electric Work Co., Model KNM-2403

(1) Detector function : CISPR Q-Peak

(2) IF band width : 9 kHz

(3) Input impedance : 50 ohms

b) Line impedance stabilized net work (LISN)

- Kyoritsu Electric Work Co., Model KNW-406

50 ohms / 50 uH net work

3. The spectrum was checked from 0.45 MHz to 30 MHz and the six highest emissions relative to the appropriate limit were measured and reported.

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5) 18.307 Power Line Conducted Interference

(Pulse transformer: ETJ11K95AM / AC Adaptor: PV-A20)

Freq. (MHz)	Meter Reading (dBuV)		LISN Factor (dB)	Interference (dBuV)		Limits (dBuV)
	1-end & Grounded	The other- End & Gro.		1-end & Grounded	The other- End & Gro	
0.45	27.5	27.7	0.1	27.6	27.8	48.0
0.47	26.8	27.3	0.1	26.9	27.4	
0.51	28.2	29.4	0.1	28.3	29.5	
0.60	26.2	27.8	0.1	26.3	27.9	
6.01	30.4	29.1	0.4	30.8	29.5	
6.31	34.1	32.8	0.4	34.5	33.2	

Note:

1. Sample calculation at 1-end & Gro. 0.45 MHz; $27.5 + 0.1 = 27.6$ (dBuV)

2. Measuring Instruments:

a) Field strength meter - Kyoritsu Electric Work Co., Model KNM-2403

(1) Detector function : CISPR Q-Peak

(2) IF band width : 9 kHz

(3) Input impedance : 50 ohms

b) Line impedance stabilized net work (LISN)

- Kyoritsu Electric Work Co., Model KNW-406

50 ohms / 50 uH net work

3. The spectrum was checked from 0.45 MHz to 30 MHz and the six highest emissions relative to the appropriate limit were measured and reported.

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5) 18.307 Power Line Conducted Interference

(Pulse transformer: ETJ11K114AM / AC Adaptor: PV-A20)

Freq. (MHz)	Meter Reading (dBuV)		LISN Factor (dB)	Interference (dBuV)		Limits (dBuV)
	1-end & Grounded	The other- End & Gro.		1-end & Grounded	The other- End & Gro	
0.47	30.8	31.3	0.1	30.9	31.4	48.0
0.53	28.8	30.6	0.1	28.9	30.7	
0.61	25.2	27.3	0.1	25.3	27.4	
0.83	21.3	23.8	0.1	21.4	23.9	
6.40	31.5	30.0	0.4	31.9	30.4	
29.98	28.4	29.0	1.0	29.4	30.0	

Note:

1. Sample calculation at 1-end & Gro. 0.47 MHz; 30.8 + 0.1 = 30.9 (dBuV)

2. Measuring Instruments:

a) Field strength meter - Kyoritsu Electric Work Co., Model KNM-2403

(1) Detector function : CISPR Q-Peak

(2) IF band width : 9 kHz

(3) Input impedance : 50 ohms

b) Line impedance stabilized net work (LISN)

- Kyoritsu Electric Work Co., Model KNW-406

50 ohms / 50 uH net work

3. The spectrum was checked from 0.45 MHz to 30 MHz and the six highest emissions relative to the appropriate limit were measured and reported.

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18.307 POWER LINE CONDUCTED INTERFERENCE

- CONFIGURATION OF THE EQUIPMENT UNDER TEST -

(Arrangement of accessories on the test table)

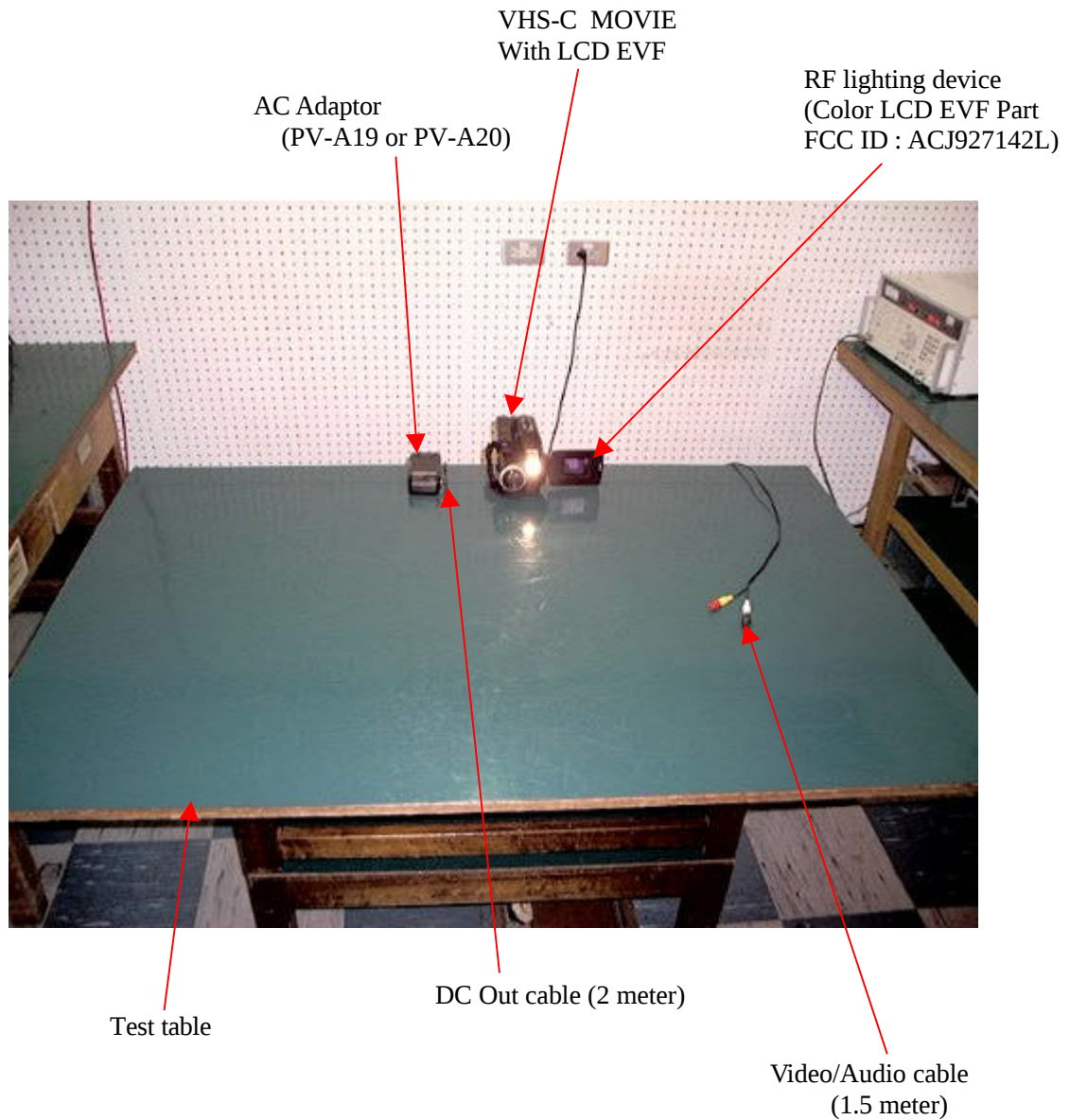


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JIS A4 180 × 250mm

