

**MATSUSHITA-KOTOBUKI
ELECTRONICS INDUSTRIES LTD.**

VIDEO DEVELOPMENT CENTER
ADDRESS: 7793 247 FUKUTAKE, SAJO, EHIME, JAPAN
TELEPHONE: 0897-56-1111 FAX: 0897-56-8142

Date: Nov. 16, 1998

Report of Measurements (Part I)

REQUIRED IN () SUBPART B (TV INTERFACE DEVICE)
(X) SUBPART B (DIGITAL DEVICE)

EXHIBIT # : 3-1
FCC ID : ACJ5LU0036
OUR REF. : MKES98-F101
MODEL NO. : PV-L759D
Sheet 1 of 9 Sheets

Name of Manufacturer: Matsushita-Kotobuki Electronics Industries Ltd.

Address of Manufacturer: 110 Wakimachi, Mima, Tokushima, Japan.

Device Under Measurement

FCC ID : ACJ5LU0036
Model No. : PV-L759D
Trade Name : Panasonic
Applicant : Matsushita Electric Ind. Co., Ltd.
This device is a representative model of KC-99LCD chassis group.

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 15 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
Sr. Engineer

1) 15.107 Power Line Conducted Voltage

Freq. (MHz)	Meter Reading (dBuV)		LISN Factor (dB)	Mathing Pad Loss (dB)	Interference (dBuV)	
	1-end & Grouned	The other- end & Gro.			1-end & Grouned	The other- end & Gro.
0.52	24.0	27.2	0.1	6.2	30.3	33.5
0.61	18.3	22.9	0.1	6.2	24.6	29.2
4.36	18.9	21.1	0.3	6.2	25.4	27.6
5.15	23.0	23.6	0.3	6.2	29.5	30.1
5.71	21.8	24.0	0.4	6.2	28.4	30.6
28.6	20.2	20.7	1.0	6.2	27.4	27.9

Note:

1. Sample calculation at

1-end & Gro., 0.52 MHz ; 24.0 + 0.1 + 6.2 = 30.3 (dBuV)

2. Measuring Instruments:

a) Field strength meter - Kyoritsu Electric Work Co., Ltd.

Model : KNM-402C

(1) Detector function : CISPR Q-PEAK

(2) IF band width : 9 kHz

(3) Input impedance : 75 ohms

b) Line impedance stabilized network (LISN)

- Kyoritsu Electric Work Co., Ltd.

Model : KNW-406, KNW-407

50 ohms / 50 uh network

c) Matching pad

- Kyoritsu Electric Work Co., Ltd.

Model : KPD-401

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.

KNW-406 LISN

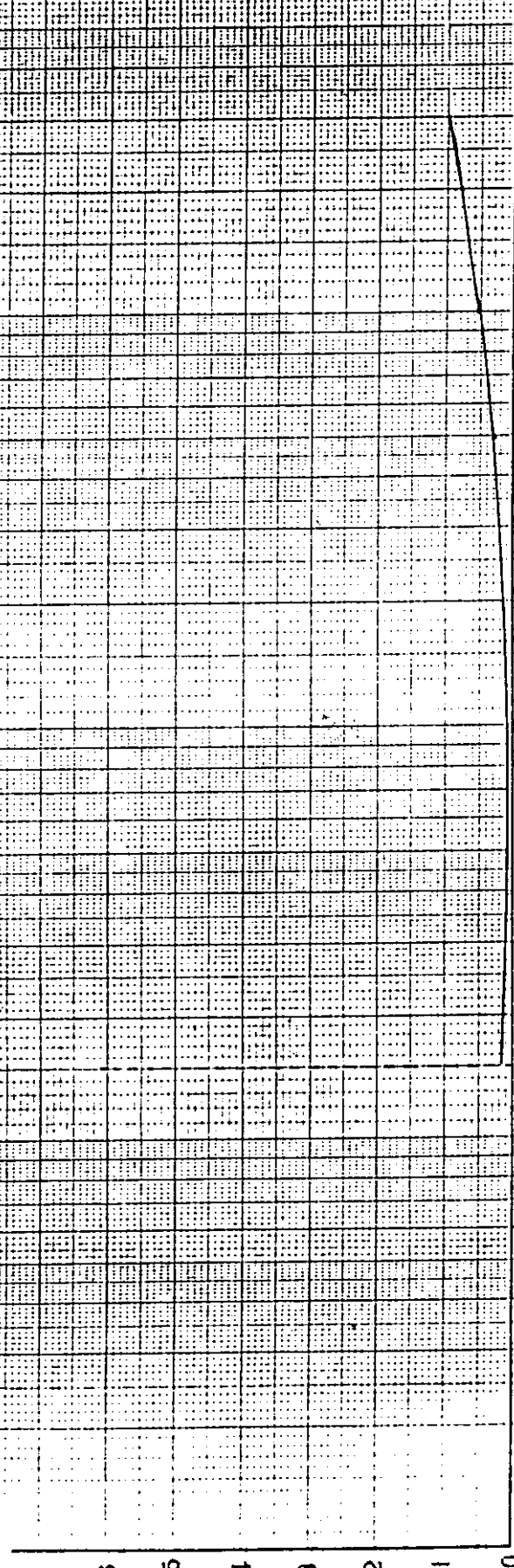
LISN FACTOR (K)

NO 8-323-5

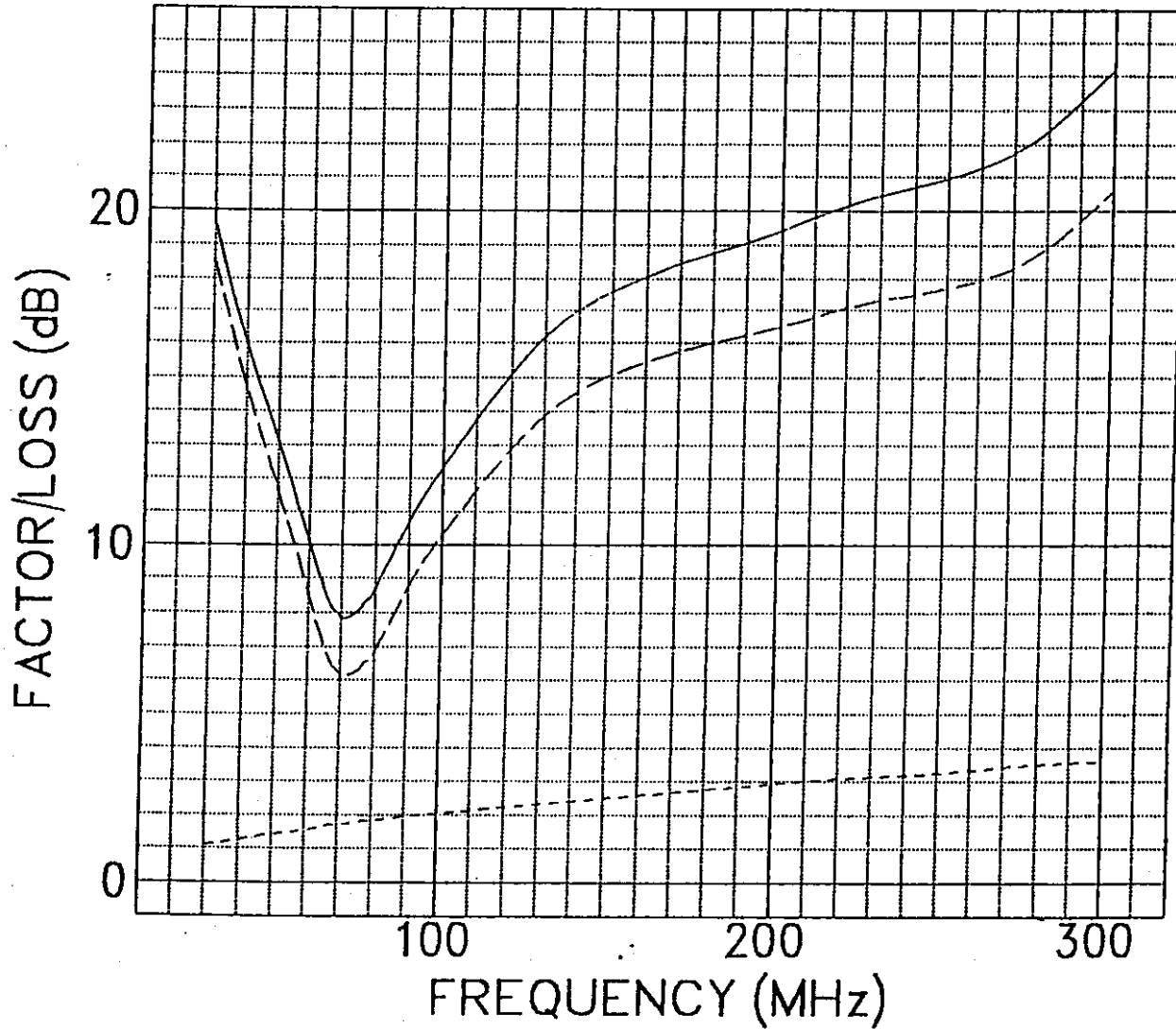
001 002 003 005 007 01 02 03 05 07 1 2 3 5 7 10 20 30 50

Frequency (MHz)

0 1 2 3 4 5 6



CORRECTION FACTOR OF BBA9106



$$E = V + K$$

E : Field Strength

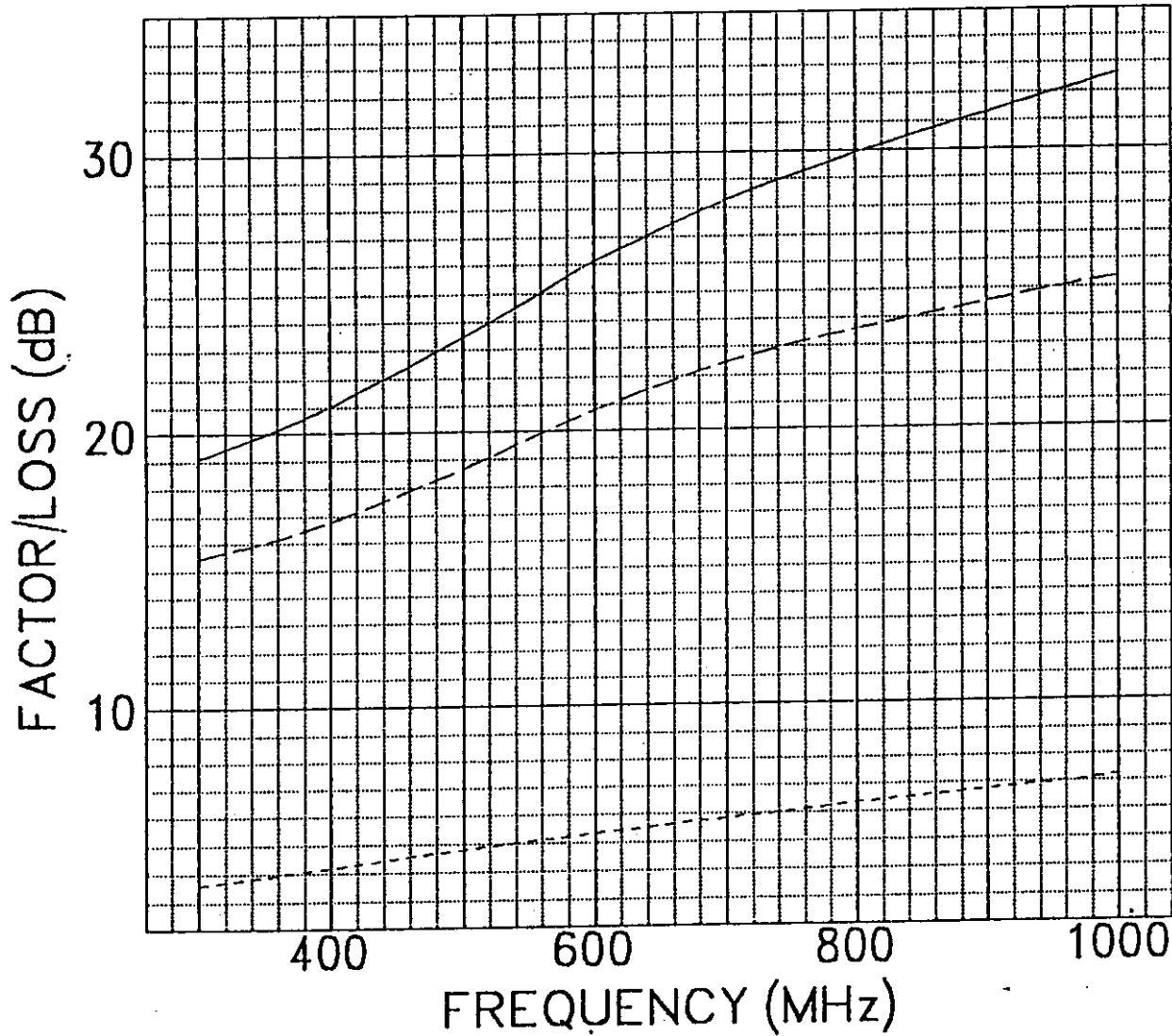
V : Correction Factor (dB)

———— : Correction Factor

----- : Antenna Factor

..... : Cable Loss

CORRECTION FACTOR OF UHALP9107



$$E = V + K$$

E : Field Strength

V : Correction Factor (dB)

———— : Correction Factor

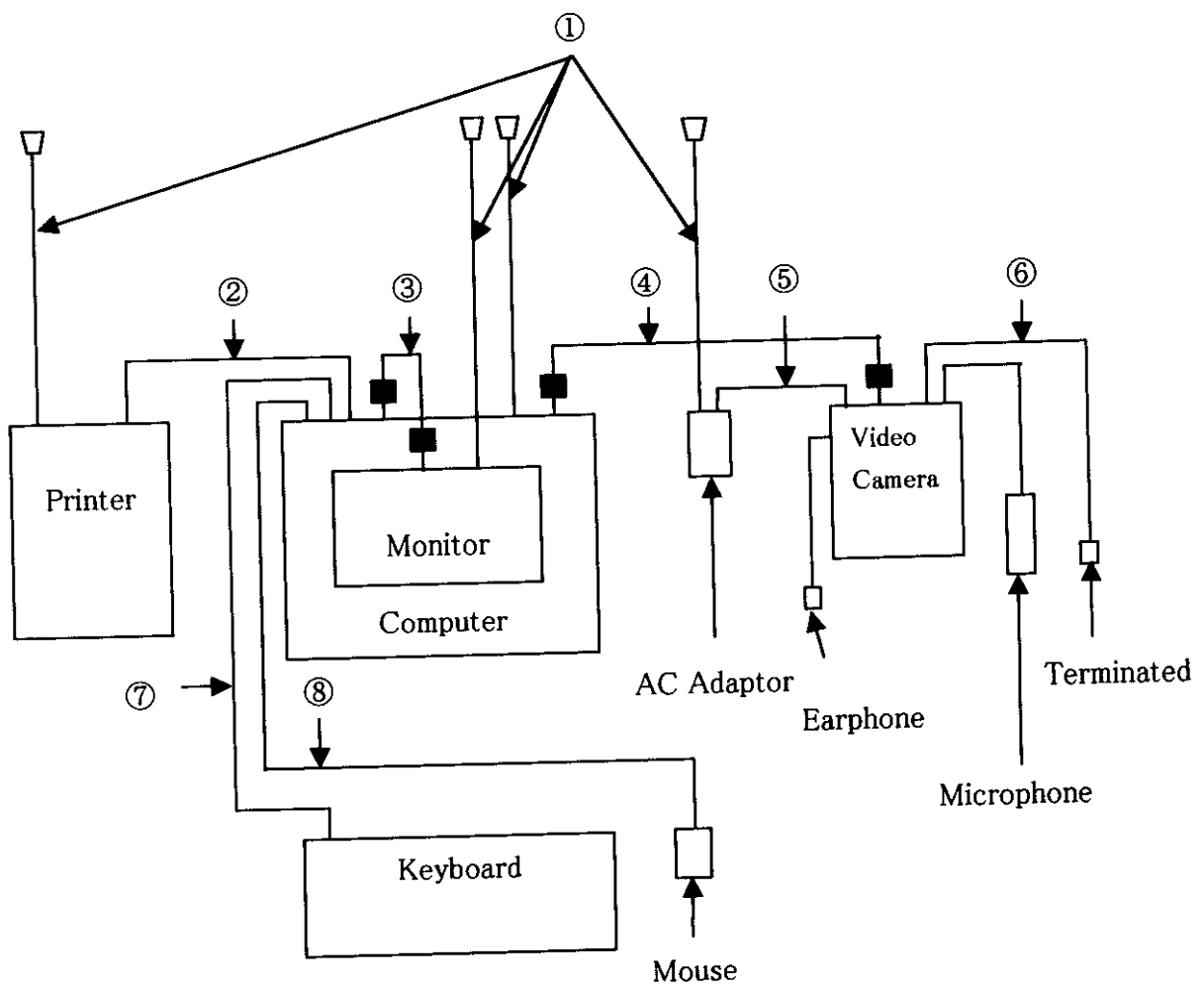
----- : Antenna Factor

..... : Cable Loss

Block Diagram of System for Measurements

EXHIBIT # : 3-2
FCC ID : ACJ5LU0036
OUR REF. : MKES98-F101
MODEL NO. : PV-L759D

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Type of Interface Cable

1. Power Cord
2. Printer Cable (1.5 m) : Shielded Cable ; Circular Cable
3. Monitor Cable (1.8 m) : Shielded Cable with Ferrite Cores ; Circular Cable
(Permanently attached to the Monitor)
4. PC Interface cable (1.9 m) : Shielded Cable with Ferrite Cores ; Circular Cable
5. DC Cable (2.0 m) : Circular Cable
6. Audio/Video Cable (1.5 m) : Shielded Cable ; Circular Cable
7. Keyboard Cable (1.8 m) : Shielded Cable ; Circular Cable
(Permanently attached to the Keyboard)
8. Mouse Cable (1.9 m) : Shielded Cable ; Circular Cable
(Permanently attached to the Mouse)

Description

Printer (Certified Device)	Model No. : P-200JD Trade Name : Panasonic FCC ID : IU05LU0002
Computer (Certified Device)	Model No. : DCM Trade Name : DELL Computer Corporation FCC ID : 97018
Keyboard (Certified Device)	Model No. : SK-1000REW Trade Name : DELL Computer Corporation FCC ID : GYUR36SK
Mouse (Certified Device)	Model No. : 90741 Trade Name : Microsoft Corporation FCC ID : C3KKMP3
Monitor (Certified Device)	Model No. : 500-069EV Trade Name : Gateway FCC ID : BEJCS592
AC Adaptor	Model No. : PV-A17 Trade Name : Panasonic
Video Camera (Application Device)	Model No. : PV-L759D Trade Name : Panasonic FCC ID : ACJ5LU0036
Microphone	Model No. : PV-MK40 Trade Name : Panasonic

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Part 15 Subpart B. (Digital Device) – Part II

Sheet 2 of 9 Sheets

1) 15.107 Power Line Conducted Voltage

Freq. (MHz)	Limits (dBuV)	Interference (dBuV)	
		1-end & Grounded	The other- End & Gro.
0.52	48.0	30.3	33.5
0.61	48.0	24.6	29.2
4.36	48.0	25.4	27.6
5.15	48.0	29.5	30.1
5.71	48.0	28.4	30.6
28.6	48.0	27.4	27.9

(Refer to Sheet 3, 5, 7 of 9 Sheets)

2) 15.109 Radiated Emission

Freq. (MHz)	Limits (dBuV/m)	Emission (dBuV/m)	
		Horiz.	Vert.
143.18	43.5	37.9	29.6
157.50	43.5	39.4	36.8
171.82	43.5	40.0	29.6
186.14	43.5	38.1	29.2
386.59	46.0	40.3	33.0
443.86	46.0	40.4	30.3

(Refer to Sheet 4, 6, 8, 9 of 9 Sheets)

MEASUREMENT SITE : MKS SITE

MEASUREMENT PROCEDURE : ANSI C63.4-1992

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 15 of the FCC Rules under normal use and maintenance.


T. Watanabe
Engineer