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FUJI PHOTO FILM CO., LTD.
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Telephone: (03) 3406-2934
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6. TESTED SYSTEM DETAILS

6.1 Peripherals and Others:

Description	*Model Name*	*Serial No.*	*Manufacturer*	*FCC ID*
Personal Computer	12XL212	1V08FHNJE1N5	Compaq Computer Co., Ltd.	DOC
Mouse	M-BB48	LZE01271677	Logitech	DOC
PC Monitor	M2978	CY5430HF3CV	LG Electronics, Inc.	BEJCA500
Scanner	AS-1	0009	Fuji Photo Film Co., Ltd.	F5GAS-1
AC Adapter (for PC)	LE-9702B-01	177625-001	Compaq Computer Co., Ltd.	N/A
AC Adaptor (for EUT)	AC-3V	0044	Fuji Photo Film Co., Ltd.	N/A

(for AC Adapter of EUT, Input: 120V AC, 60Hz / Output: 5V DC)

Note:
*DOC: Declaration of Conformity by Manufacturer, Compaq Computer Co., Ltd., or Logitech.
* N/A: Equipment required for the Verification.

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6.2 List of Cables:

Description	*Length*	*Type of shield*	*Ferrite Core*
EUT / Personal Computer	1.2 m	Shielded	Add
DC Power Cord (EUT/AC adaptor)	1.9 m	Non-shielded	Add
Scanner / Personal Computer	1.5 m	Shielded	Provided
PC Monitor / Personal Computer	1.65 m	Shielded	Provided
Mouse / Personal Computer	1.9 m	Shielded	N/A
DC Power Cord (PC/AC adaptor)	1.55 m	Non-shielded	Provided
AC Power Cord (Scanner)	1.8 m	Non-shielded	N/A
AC Power Cord (PC Monitor)	1.7 m	Non-shielded	N/A

Note:

* Provided: The cable is an accessory for Personal Computer, Scanner or PC Monitor that was attached a ferrite core.

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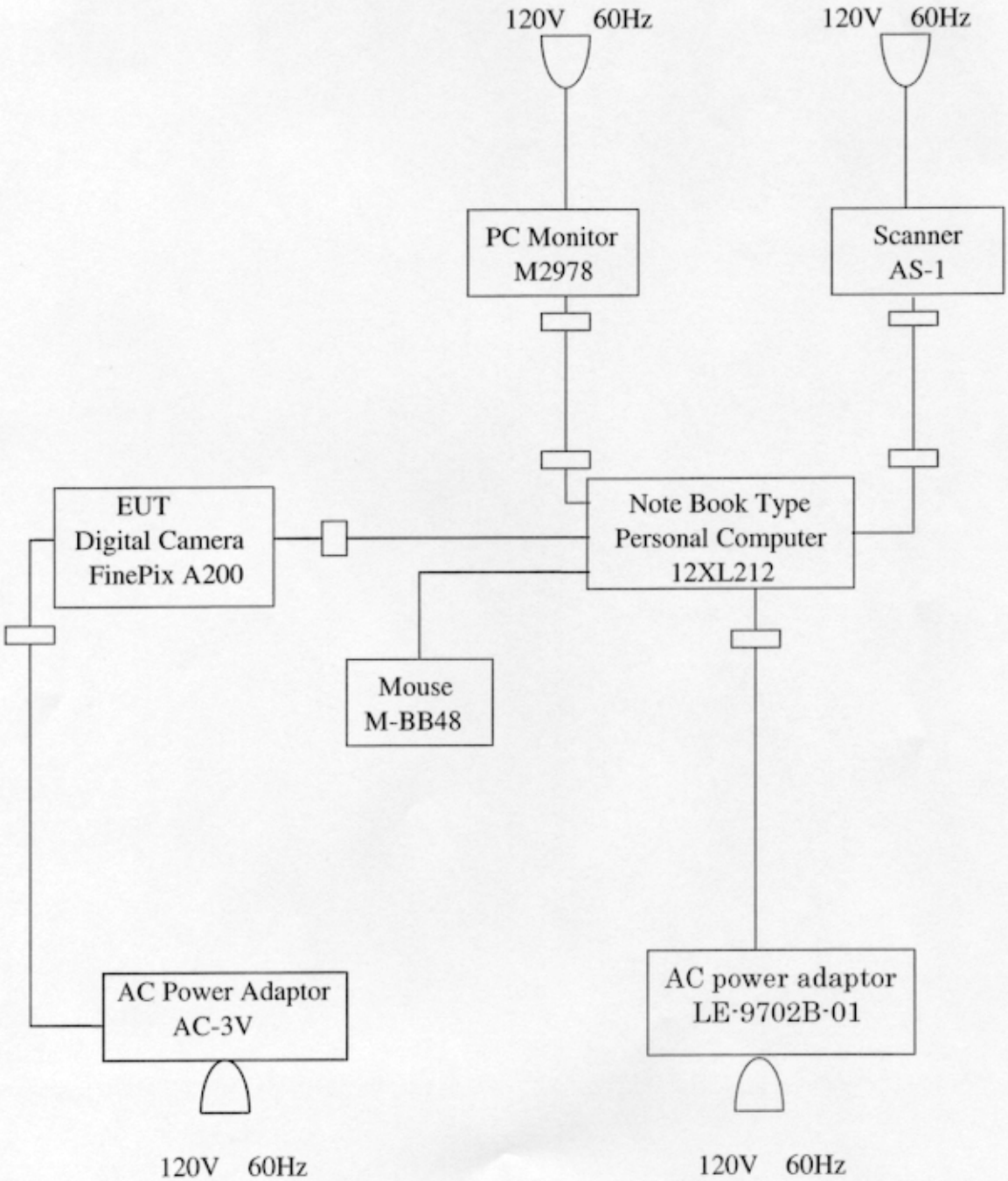
Figure 6-1 System Configuration Diagram :



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FCC ID : **F5GFP-A200**
Part 15 Sub.part B Class B Digital Device

7. TEST RESULTS

7.1 Conducted Radio Noise Measurement

7.1.1 Measurement Instrumentation Used:

(Model / Serial No. / Manufacturer)

Test Receiver ---------- (ESCS 30 / 825788-007 / Rohde & Schwarz)

L. I. S. N ---------- (KNW-407 / 8-823-10 / Kyoritsu Electrical)

L. I. S. N ---------- (KNW-407 / 8-680-7 / Kyoritsu Electrical)

Spectrum Analyzer System ------- (8568S / 2445A00924 / Hewlett Packard)

7.1.2 Measurement Procedure:

The power line conducted interference measurements were performed in a shield enclosure with peripherals placed on a table, 80cm high over a metal floor.
It was located more than required distance away from the shielded enclosure wall.
The EUT was plugged into the L.I.S.N. and the frequency range of interest scanned.

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7.1.3 Test Data

Table 7.1-1 Conducted Radio Noise Measurement Results:

Operating mode: PLAY Mode Date of measurement: June 04, 2002
Test Procedure: ANSI C63.4-1992 Temperature: 17 degree C
Humidity: 62 %

Frequency	*Results*		*Results*	*Limit*	*Margin*
	Meter Reading.		*Emission Level*		
	VA.	*VB.*			
(MHz)	*(dBuV/m)*		*(dBuV/m)*	*(dBuV/m)*	*(dBuV/m)*
0.5500	34.4	34.5	34.5	47.9	13.4
0.6900	40.3	38.8	40.3	47.9	7.6
0.8300	42.3	40.5	42.3	47.9	5.6
0.9700	39.4	39.6	39.6	47.9	8.3
1.1100	41.8	38.4	41.8	47.9	6.1
1.2500	39.4	35.9	39.4	47.9	8.5
1.3900	37.3	34.6	37.3	47.9	10.6
2.2300	30.1	28.3	30.1	47.9	17.8
3.4800	22.1	17.3	22.1	47.9	25.8
9.8300	13.3	12.1	13.3	47.9	34.6

Note:

1) Emission Levels are higher levels of VA or VB of Meter Readings + Correction Factor.
2) VA: Between one end of the power cable and the grounded.
   VB: Between the other end of power cable and the grounded.

7.1.4 Conducted Radio Noise Calculation

The conducted radio noise is calculated by adding the calibration factor to the measured reading. The basic equation and a sample calculation are as follows:

CRN = TRM + CF
Margin = Limit - CRN
where CRN = Conducted Radio Noise (dBuV)
TRM = Test Receiver Reading (dBuV)
CF : Correction Factor (dB/m)
The Correction factor includes cable loss and LISN factor.

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Part 15 Sub.part B Class B Digital Device

7.2 Radiated Radio Noise Measurement

7.2.1 Measurement Instrumentation Used :

(Model / Serial No. / Manufacturer)

Test Receiver ---------- (ESCS 30 / 834115-020 / Rohde & Schwarz)

Bi-Conical Antenna ---------- (BBA9106 / D-6901 No.2 / Schwarzbeck)

Log-Periodic Antenna ---------- (UHALP9107 / 424-517 / Schwarzbeck)

Spectrum Analyzer System ------- (8568S / 2445A00924 / Hewlett Packard)

7.2.2 Measurement Procedure:

The EUT was placed in an 80cm high table along with the peripherals.
The turntable was separated from the antenna at a distance of 3 meter. Cables were placed in a position to produce maximum emission as determined by experimentation, and operation mode was selected for maximum.
The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities.

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7.2.3 Test Data

Table 7.2-1 Radiated Radio Noise Measurement Results:

Operating mode: PLAY Mode Date of measurement: June 04, 2002
Test Procedure: ANSI C63.4-1992 Temperature: 18 degree C
Humidity: 58 %

Frequency	*Correction Factor*	*Results Meter Reading.*		*Results Emission Level*	*Limit*	*Margin*
(Mhz)	*(dB)*	*(dBuV/m)*		*(dBuV/m)*	*(dBuV/m)*	*(dBuV/m)*
		Hori.	*Vert.*			
57.500	10.1	-	21.0	21.0	40.0	19.0
96.000	11.2	22.1	21.6	22.1	43.5	21.4
120.010	14.9	-	23.3	23.3	43.5	20.2
192.000	19.1	28.9	27.5	28.9	43.5	14.6
312.000	19.9	35.3	-	35.3	46.0	10.7
408.910	21.6	39.3	29.2	39.3	46.0	6.7
457.310	22.7	31.4	25.1	31.4	46.0	14.6
671.990	27.2	34.5	33.6	34.5	46.0	11.5
719.990	27.8	34.0	32.3	34.0	46.0	12.0

Note: 1) Meter Readings are corrected by all Correction Factors.
2) Emission Levels are higher levels of Hori. or Vert. of Meter Readings.
3) Margin = Limit - Emission Level.

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7.2.4 Radiated Radio Noise Calculation

The radiated radio noise is calculated by adding the correction factor to the measured reading. The basic equation and a sample of calculation are as follows;

RRN = TRM + CF
Margin = Limit - RRN

where RRN = Radiated Radio Noise (dBuV)
TRM = Test Receiver Reading (dBuV)
CF : Correction Factor (dB/m), The correction factor includes pre-amplifier gain, cable loss and antenna factor.