



Blank Page

Don't Forget To Delete Me!



FUJI PHOTO FILM CO.,LTD.

26-30, NISHIAZABU 2-CHOME,

MINATO-KU, TOKYO 106, JAPAN

Telephone: (03) 3406-2934

Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

Part 15 Sub.part B Class B Digital Device

Exhibit C

TEST RESULTS



FUJI PHOTO FILM CO.,LTD.

26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO 106, JAPAN

Telephone: (03) 3406-2934

Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

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 ----- (ESH-3 / 872079-020 / Rohde & Schwarz)

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

L. I. S. N ----- (KNW-407 / 8-680-7 /Kyoritu 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.

**FUJI PHOTO FILM CO.,LTD.**

26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO 106, JAPAN
Telephone: (03) 3406-2934
Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

Part 15 Sub.part B Class B Digital Device

7.1.3 Test Data**Table 7.1-1 Conducted Radio Noise Measurement Results:**

Operating mode: Print Mode

Date of measurement: October 6, 1998

Test Procedure: ANSI C63.4-1992

Temperature: 19 degree C

Humidity: 73%

Frequency	Results		Results	Limit	Margin
	Meter Reading.		Emission Level		
	VA.	VB.			
(Mhz)	(dBUV/m)		(dBUV/m)	(dBUV/m)	(dBUV/m)
0.7000	27.5	27.3	27.5	47.9	20.4
1.8100	30.3	29.3	30.3	47.9	17.6
4.5720	39.6	39.3	39.6	47.9	8.3
5.9500	37.7	38.0	38.0	47.9	9.9
10.0000	38.6	41.3	41.3	47.9	6.6
11.6200	41.6	42.8	42.8	47.9	5.1
20.0000	24.4	28.0	28.0	47.9	19.9

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.
- 3) Margin = Limit - Emission Level



FUJI PHOTO FILM CO.,LTD.

26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO 106, JAPAN
Telephone: (03) 3406-2934
Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

Part 15 Sub.part B Class B Digital Device

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:

$$\text{CRN} = \text{TRM} + \text{CF}$$

$$\text{Margin} = \text{Limit} - \text{CRN}$$

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.

7.2 Radiated Radio Noise Measurement

7.2.1 Measurement Instrumentation Used :

(Model / Serial No. / Manufacturer)

Test Receiver ----- (ESVP / 879529-016 / Rohde & Schwarz)

Bi-Conical Antenna ----- (BBA9106 / ---- / Schwarzbeck)

Log-Periodic Antenna ----- (UHALP9107 / 9107424 / Schwarzbeck)

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

7.2.2 Measurement Procedure:

The EUT was placed in a 80cm high table along with the peripherals.

The turn table 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.



FUJI PHOTO FILM CO.,LTD.

26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO 106, JAPAN

Telephone: (03) 3406-2934

Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

Part 15 Sub.part B Class B Digital Device

7.2.3 Test Data

Table 7.2-1 Radiated Radio Noise Measurement Results:

Operating mode: Standby Mode

Date of measurement: October 6, 1998

Test Procedure: ANSI C63.4-1992

Temperature: 17 degree C

Humidity: 63 %

<i>Frequency</i>	<i>Correction</i>	<i>Results</i>		<i>Results</i>	<i>Limit</i>	<i>Margin</i>
	<i>Factor</i>	<i>Meter Reading.</i>		<i>Emission Level</i>		
<i>(Mhz)</i>	<i>(dB)</i>	<i>(dBuV/m)</i>		<i>(dBuV/m)</i>	<i>(dBuV/m)</i>	<i>(dBuV/m)</i>
		<i>Hori.</i>	<i>Vert.</i>			
70.000	7.7	-	28.5	28.5	40.0	11.5
114.545	14.2	25.0	25.6	25.6	43.5	17.9
120.260	14.9	24.8	26.9	26.9	43.5	16.6
160.350	17.4	28.5	26.8	28.5	43.5	15.0
229.090	20.5	32.0	23.0	32.0	46.0	14.0
240.530	20.7	35.6	30.4	35.6	46.0	10.4
257.730	20.8	35.9	28.2	35.9	46.0	10.1
315.000	19.7	-	30.3	30.3	46.0	15.2
343.640	20.4	-	31.8	31.8	46.0	14.2
360.800	20.7	-	31.0	31.0	46.0	15.0
400.890	21.5	41.0	29.3	41.0	46.0	5.0
544.090	24.5	33.3	35.8	35.8	46.0	10.2

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.



FUJI PHOTO FILM CO.,LTD.

26-30, NISHIAZABU 2-CHOME,
MINATO-KU, TOKYO 106, JAPAN

Telephone: (03) 3406-2934

Facsimile : (03) 3406-9967

FCC ID : F5GNX-70

Part 15 Sub.part B Class B Digital Device

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;

$$\text{RRN} = \text{TRM} + \text{CF}$$

$$\text{Margin} = \text{Limit} - \text{RRN}$$

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.

TDK CORPORATION
2-15-7 HIGASHI-OWADA ICHIKAWA-SHI
CHIBA 272-01 JAPAN

TDK EMC CENTER
CHIKUMAGAWA OPEN SITE
543 OTAI SAKU-CITY NAGANO JAPAN

REPORT OF MEASUREMENTS ON DIGITAL DEVICE

DATE: October 12, 1998
Issued in: Saku-city, Japan

TDK APPLICATION No.: TDC-98-1001

1. Applicant : FUJI PHOTO FILM CO., LTD
13-45, SENZU 3-CHOME, ASAKA SHI, SAITAMA ken,
351 JAPAN

2. Manufacturer : FUJIX CO., LTD
1-6, MATSUZAKADAIRA TAIWA-CHO,
KUROKAWA-GUN, MIYAGI-KEN, 981-34 JAPAN

3. Description of Equipment Under Test (EUT)

3-1 EUT : DIGITAL PRINTER

3-2 Category : Class B Digital Device

3-3 FCC ID : FSGNX-70

3-4 Trade Name : DIGITAL PRINTER

3-5 Model No. : NX-70

3-6 Serial No. : 8300078

3-7 Date of Manufacture : September 1998

3-8 Power Supply : 120 V AC 60 Hz

4. Regulation Applied : FCC Part 15 Subpart B Class B 3 m

5. Measurement Procedure Used : ANSI C63.4-1992

6. Place of Measurement : TDK EMC CENTER CHIKUMAGAWA OPEN SITE

7. Date of Measurement : October 06, 1998

8. Measurement Results : The test results show that EUT
conform to regulations applied as
shown in the attached sheets.

NOTE: 1-The test results relate only to the items tested.

2 This report shall not be reproduced except in full
without the written approval of testing laboratory.

Yukio Kobayashi
Yukio Kobayashi

Chief of TDK CHIKUMAGAWA

OPEN SITE

Date: October 10, 1969
Temp.: 17°C: Humi.: 63%

Description of Device
DIGITAL P

Description of Device
EUT : DIGITAL PRINTER

Model No. : NX-70

Test Condition of EUT

1 Configuration

2 Ground

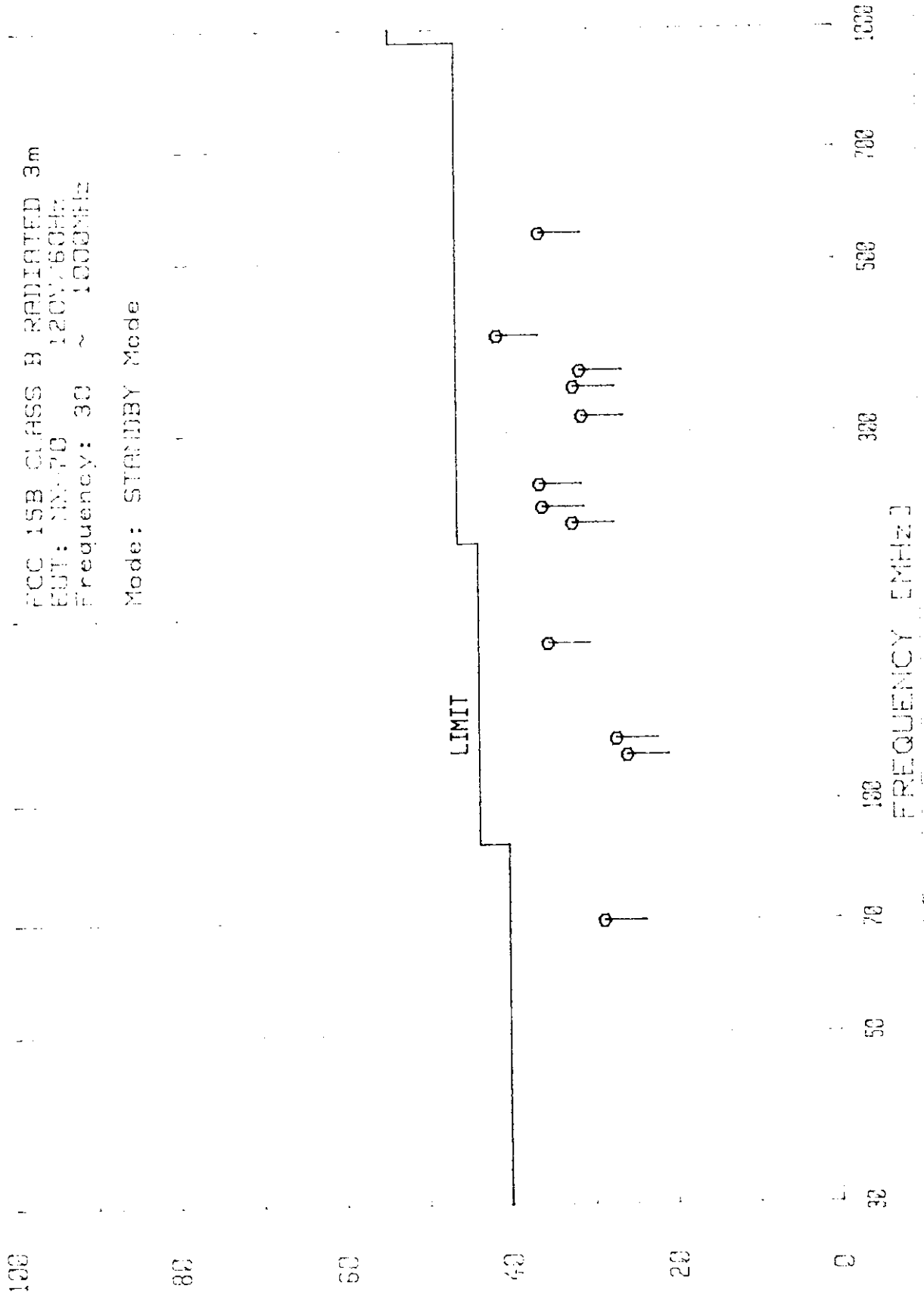
2. Ground : None
3. Operating Condition: Standby mode

Notes: 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.

Kunihiko Ooi
Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE

October 06, 1998

TIK EMC CENTER
EMISSION LEVEL [dBuV/m]



MEASUREMENT RESULTS OF RADIATED RADIO NOISE AT 3m

Date: October 06, 1998

Temp.: 17°C: Humi.: 63%

Test Receiver: Rohde & Schwarz ESVP
 Operation mode: Detector function: CISPR Quasi-peak
 6dB band width: 120kHz External Attenuator: none

Description of Device

EUT : DIGITAL PRINTER

Model No.: NX 70

Test Condition of EUT

1 Configuration : Refer to sheet No. 5.6.

2 Ground : None

3 Operating Condition: Print mode.

Frequency MHz	Correction Factor dB	Meter Reading (dB μ V/m)		Emission Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB μ V)
		Hori.	Vert.			
31.000	19.5		30.9	30.9	40.0	9.1
70.000	7.7		28.5	28.5	40.0	11.5
114.550	14.2	23.8	25.0	25.0	43.5	18.5
120.250	14.9	24.8	25.9	25.9	43.5	17.6
160.310	17.4	27.7	26.0	27.7	43.5	15.8
229.090	20.5	31.7	28.9	31.7	46.0	14.3
240.520	20.7	35.4	30.4	35.4	46.0	10.6
257.730	20.8	36.9	29.1	36.9	46.0	9.1
320.650	20.3	37.6	32.0	37.6	46.0	8.4
343.610	20.8		29.5	29.5	46.0	16.5
360.700	21.1		31.8	31.8	46.0	14.2
400.830	21.9	36.6	31.3	36.6	46.0	9.4
544.090	25.1	33.2	35.8	35.8	46.0	10.2
630.000	27.1	31.7	34.8	34.8	46.0	11.2

Notes: 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.

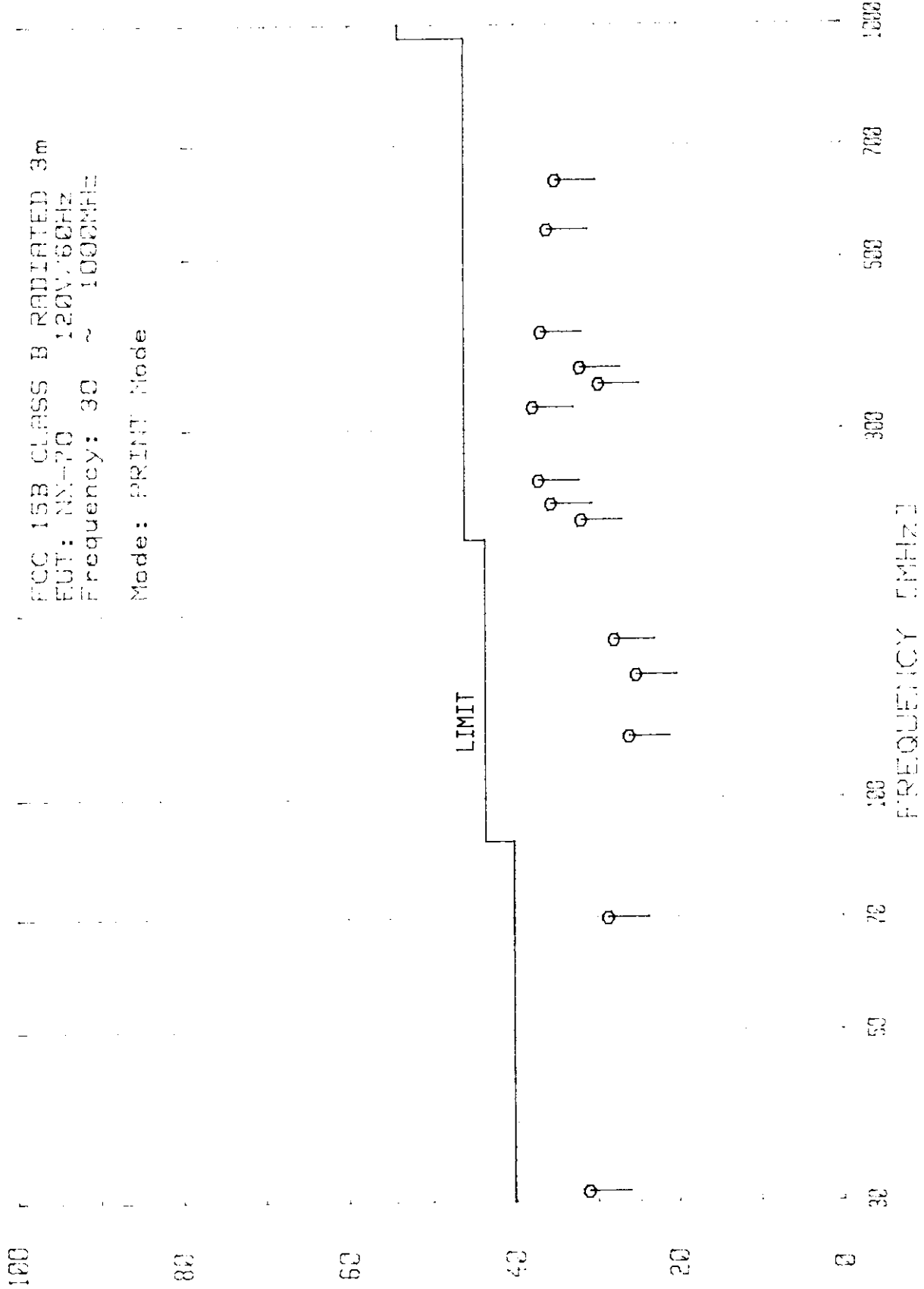


Kunihiro Ooi

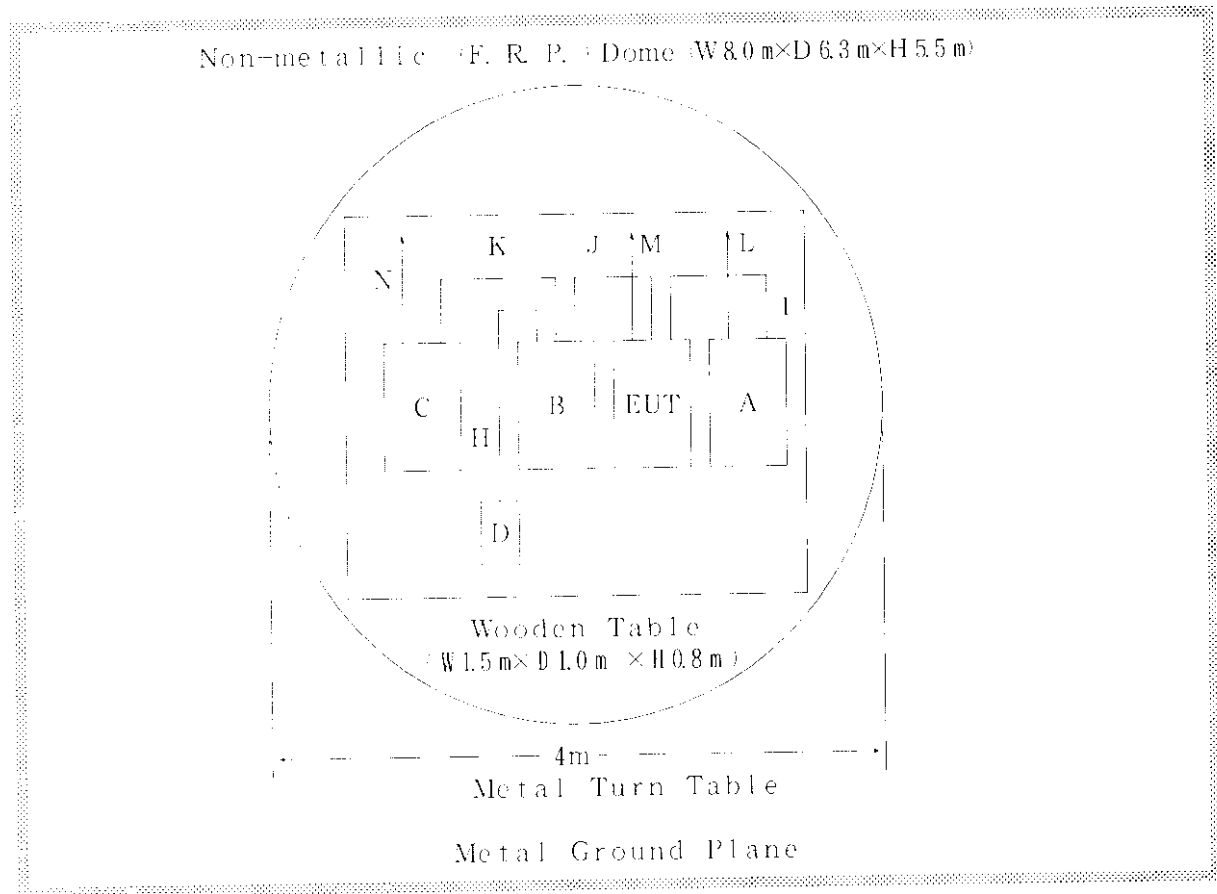
 Engineer of TDK EMC CENTER
 CHIKUMAGAWA OPEN SITE

October 06, 1998

TDK EMC CENTER
EMISSION LEVEL [dBuV/m]



EUT'S Test Arrangement of Radiation



	Device	Model No.	FCC ID	Manufacturer
EUT	Printer	NX-70	F5GNX-70	Fuji Photo Film Co., LTD.
A	Monitor	TVM-1390	AK896APVM1390	SONY
B	PC Note	PPS	E2KXPE2KXPT	DELL
C	Printer	NX-5	F5GNX-5	Fuji Photo Film Co., LTD.
D	Mouse	13H6690	DZL210429	IBM

	Cable	Model No.	Cable Length	Special Attribute
H	Mouse Cable		1.8 m	Shield
I	Video Cable		1.8 m	Shield
J	Serial Cable		2.0 m	Shield
K	Printer Cable		2.0 m	Shield
L	Monitor Cable		1.8 m	Shield
M	EUT Power Cable		1.8 m	
N	Printer Power Cable		1.8 m	

RADIATION MEASUREMENT

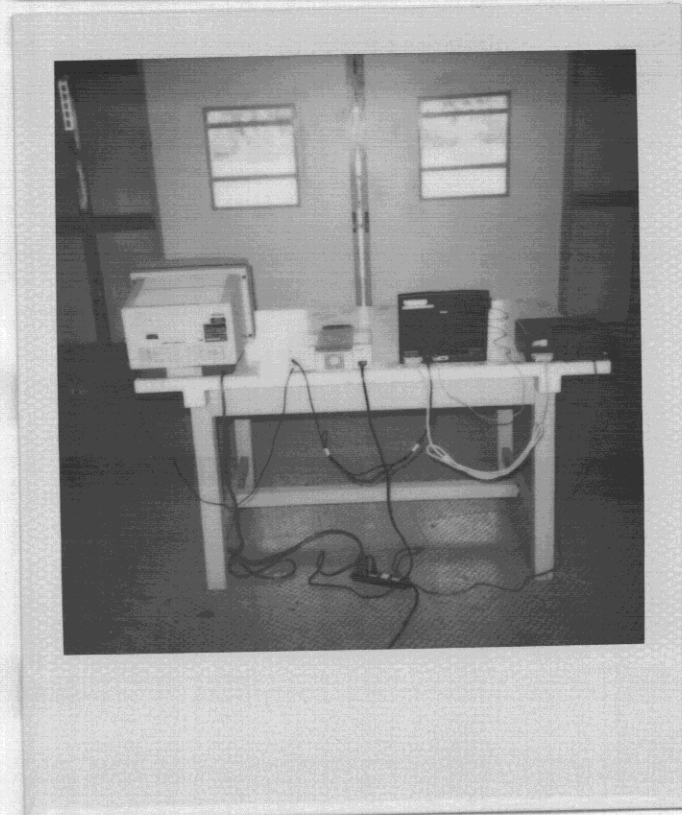
EUT: DIGITAL PRINTER

MODEL NO. NX-70



CONFIGURATION

FRONT VIEW

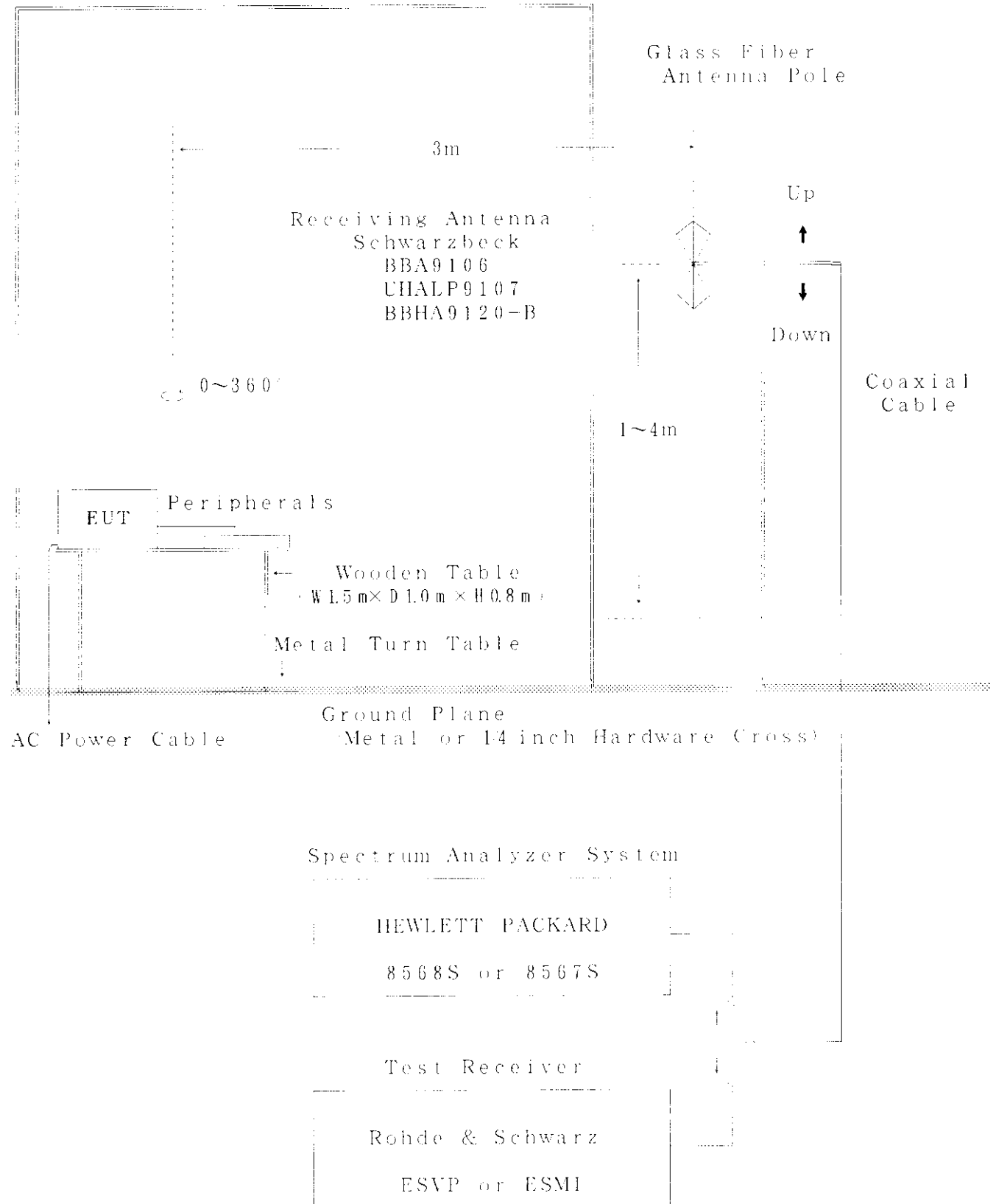


CONFIGURATION

REAR VIEW

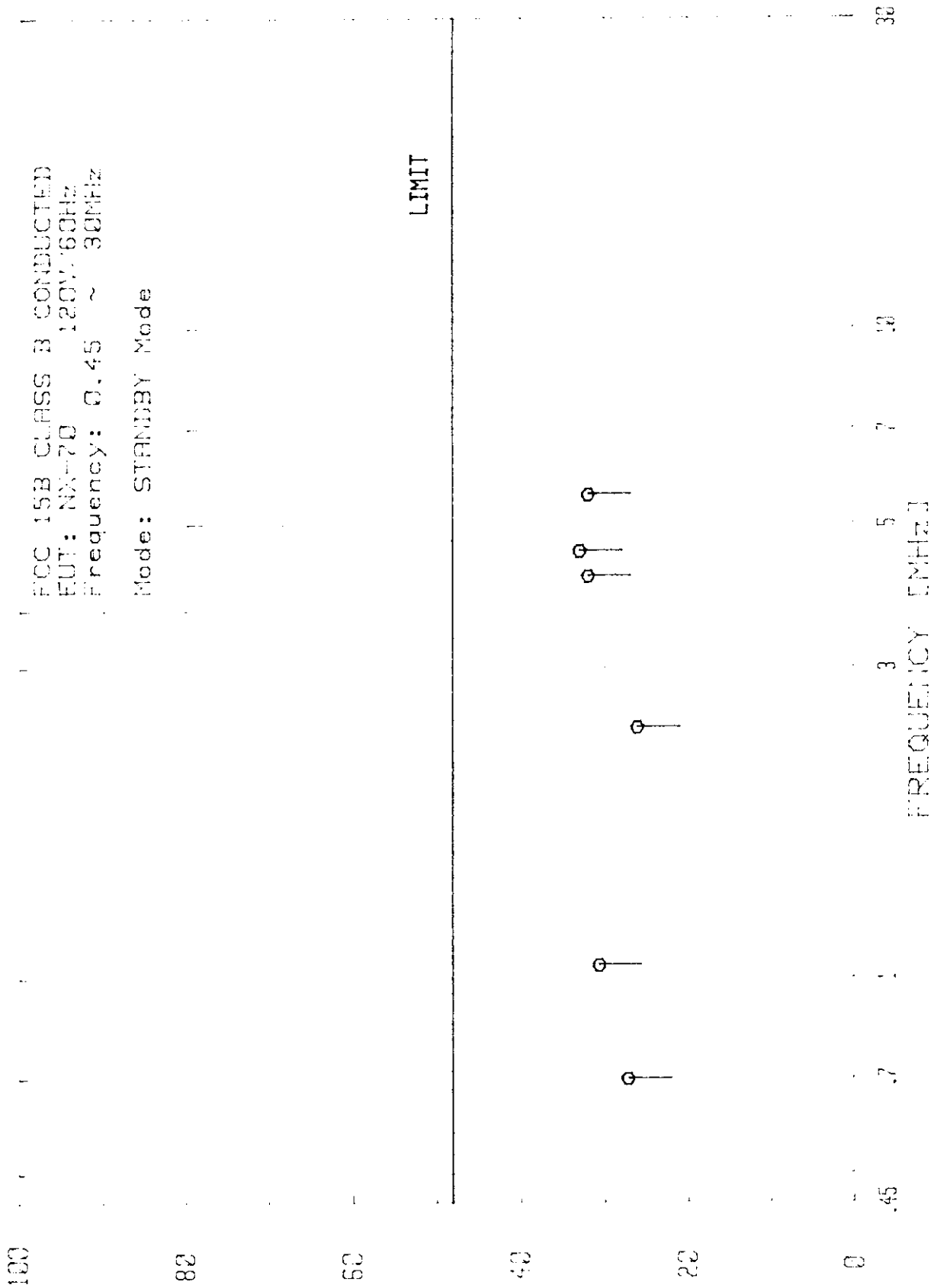
Test Arrangement of Radiation

Non-metallic (F.R.P.) Dome (W8.0m×D6.3m×H5.5m)



TBK EMC CENTER
EMISSION LEVEL [dBuV]

October 06, 1998



MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date: October 06, 1998 _

Temp. : 19°C; Humi. : 73%

Test Receiver: Rohde & Schwarz ESH-3
Operation mode: Detector function: CISPR Quasi peak
6dB band width: 10kHz External Attenuator: none

Description of Device

EUT : DIGITAL PRINTER

Model No. : XX-70

Test Condition of EUT

1) Configuration : Refer to sheet No. 12, 13.

```
1: Configuration : None
2: Ground       : None
```

3: Operating Condition: Print mode.[illegible]

Notes: 1. Emission Levels are higher levels of VA or VB of Meter Readings.

2 VA: Between one end of the power cable and the grounded.

VB: Between the other end of the power cable and the grounded.

3 Margin Limit Emission Level.

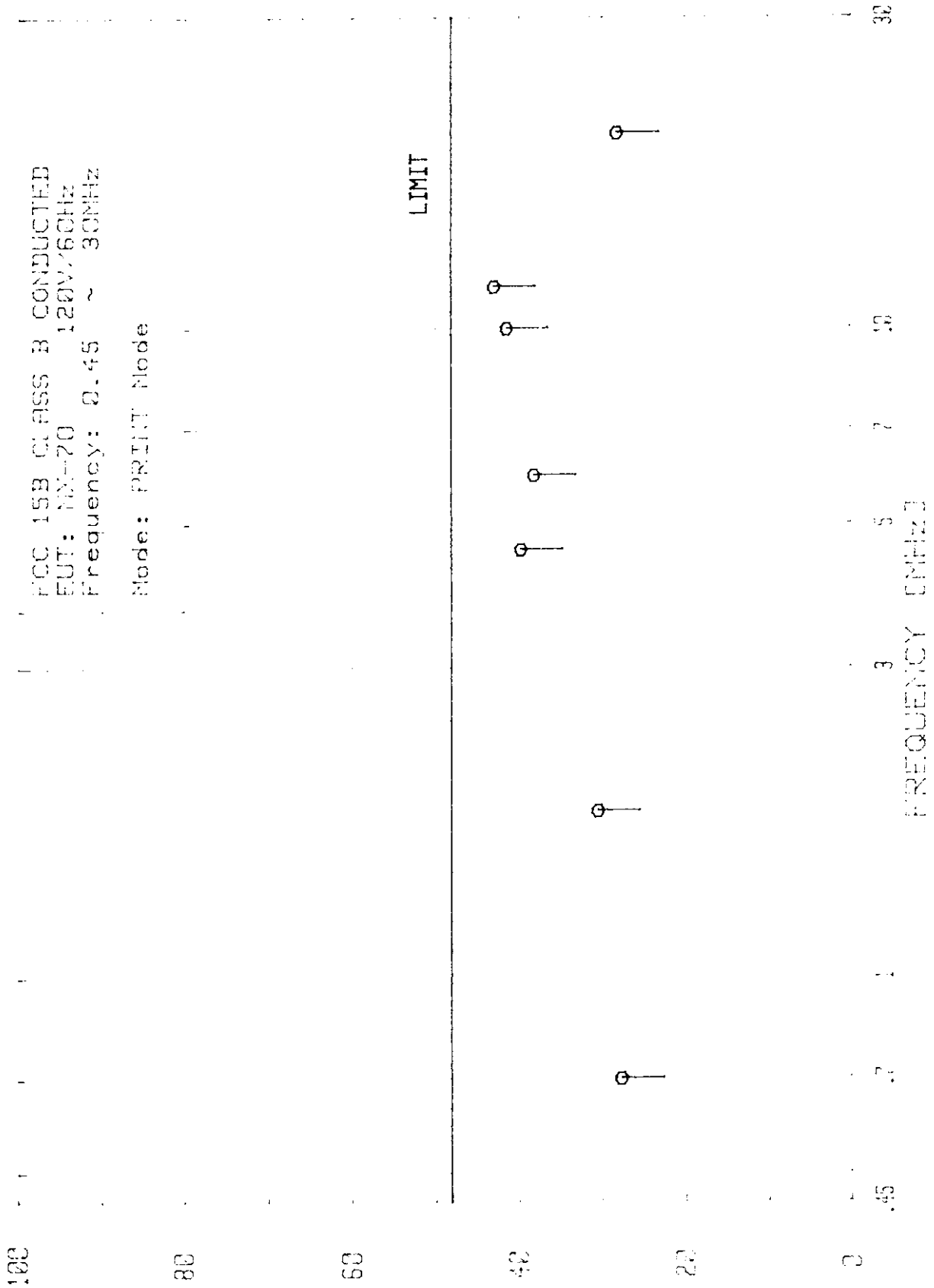
Honorable Ooi

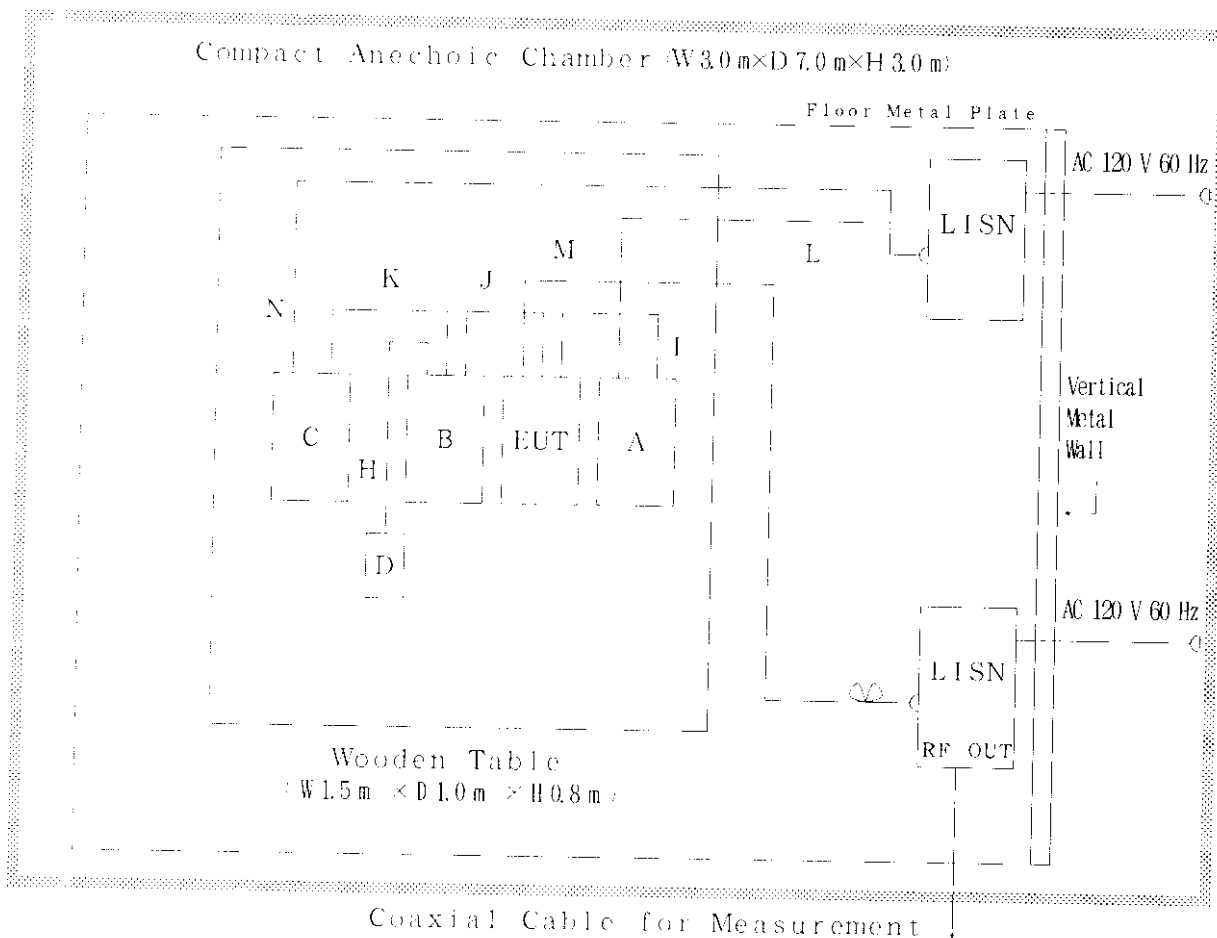
Kunihiko Ooi

Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE

October 06, 1998

10K RNC CENTER
EMISSION LEVEL EdBuV3





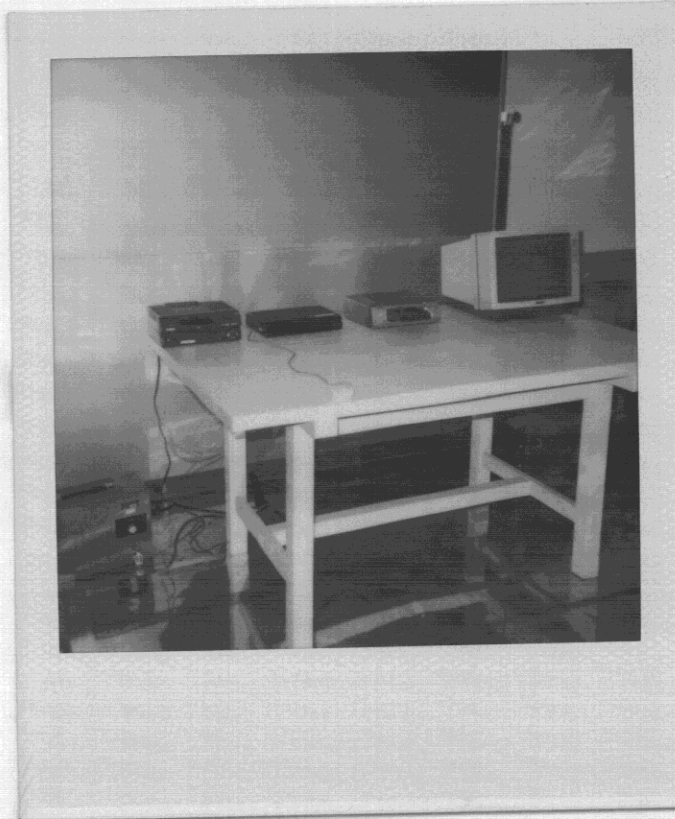
	Device	Model No.	FCC ID	Manufacturer
EUT	Printer	NX 70	F5GNX 70	Fuji Photo Film Co., LTD.
A	Monitor	TVM 1390	AK896APVM1390	SONY
B	PC Note	PPS	E2KXPE2KXPT	DELL
C	Printer	NX-5	F5GNX-5	Fuji Photo Film Co., LTD.
D	Mouse	13H6690	DZL210429	IBM

Cable	Model No.	Cable Length	Special Attribute
H Mouse Cable		1.8 m	Shield
I Video Cable		1.8 m	Shield
J Serial Cable		2.0 m	Shield
K Printer Cable		2.0 m	Shield
L Monitor Cable		1.8 m	Shield
M EUT Power Cable		1.8 m	
N Printer Power Cable		1.8 m	

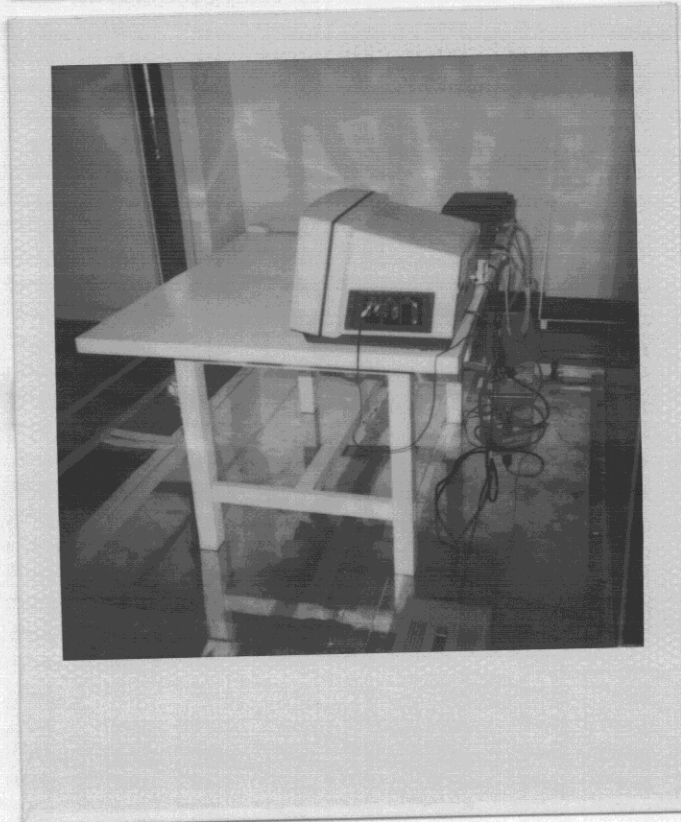
CONDUCTION MEASUREMENT

EUT: DIGITAL PRINTER

MODEL NO. NX-70



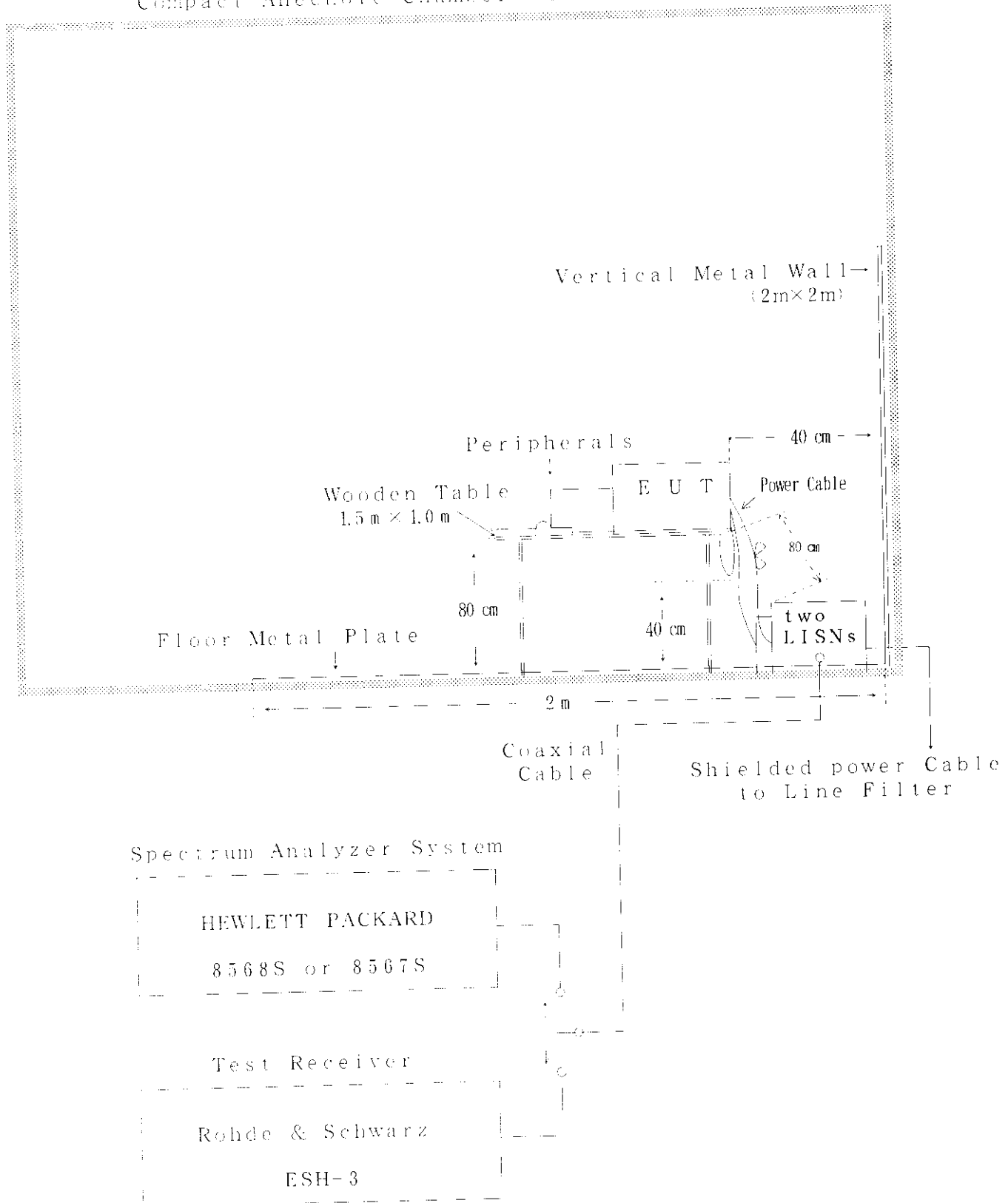
CONFIGURATION
FRONT VIEW



CONFIGURATION
SIDE VIEW

Test Arrangement of Conduction

Compact Anechoic Chamber (W 3.0 m × D 7.0 m × H 3.0 m)



MEASURING EQUIPMENTS USED:

Equipments	Manufacturer	Model No.	Serial No.
☒ Test Receiver	Rohde & Schwarz	ESVP	879529.016
☒ Test Receiver	Rohde & Schwarz	ESH 3	872079.020
☒ Test Receiver	Rohde & Schwarz	ESM1	61360008
☒ Artificial Mains Network (50 μ H/50 Ω /50 μ H)	Rohde & Schwarz	ESH2 Z5	881362.011
☒ Artificial Mains Network (50 Ω /50 μ H)	Kyoritsu Electrical	KNW-407	8 823 10
☒ Artificial Mains Network (50 Ω /50 μ H)	Kyoritsu Electrical	KNW-407	8 680 7
☒ Artificial Mains Network (50 Ω /50 μ H)	Kyoritsu Electrical	KNW-242	8 701 5
☒ Artificial Mains Network (50 Ω /50 μ H)	Kyoritsu Electrical	KNW-408	8 652 3
☒ T Network	Rohde & Schwarz	ESH3-Z4	860666.021
☒ Absorbing Clamp	Rohde & Schwarz	MDS21	301379.032
☒ Loop Antenna	Rohde & Schwarz	HFH2-Z2	881056/41
☒ Dipole Antenna	Schwarzbeck	VHA9103/ UHA9105	
☒ Horn Antenna	Schwarzbeck	BBHA9120-B	
☒ Bi-Conical Antenna	Schwarzbeck	BBA9106	
☒ Log-Periodic Antenna	Schwarzbeck	UHALP9107	9107424
☒ Spectrum Analyzer System	Hewlett Packard	8567S	2727A00488
☒ Spectrum Analyzer System	Hewlett Packard	8568S	2445A00924