FUJIFILM

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 : **F5GMX-2700**
Part 15 Sub.part B Class B Digital Device

Exhibit C

TEST RESULTS

FUJIFILM

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MINATO-KU, TOKYO 106, JAPAN
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FCC ID : **F5GMX-2700**
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.

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Facsimile : (03) 3406-9967

FCC ID : **F5GMX-2700**
Part 15 Sub.part B Class B Digital Device

.1.3 Test Data

Table 7.1-1 Conducted Radio Noise Measurement Results:

Operating mode: PC Mode — Date of measurement: February 9, 1999
Test Procedure: ANSI C63.4-1992 — Temperature: 15 degree C
Humidity: 52%

Frequency	*Results Meter Reading.*		*Results Emission Level*	*Limit*	*Margin*
	VA.	*VB.*			
(Mhz)	*(dBuV/m)*		*(dBuV/m)*	*(dBuV/m)*	*(dBuV/m)*
0.4900	36.3	41.5	41.5	47.9	6.4
0.5900	38.3	42.2	42.2	47.9	5.7
0.6900	40.2	42.9	42.9	47.9	5.0
0.7800	39.0	39.0	39.0	47.9	8.9
0.8700	35.4	33.7	35.4	47.9	12.5
0.9800	31.4	28.4	31.4	47.9	16.5
4.0000	34.0	31.1	34.0	47.9	13.9
4.3200	27.5	27.0	27.5	47.9	20.4

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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FCC ID : **F5GMX-2700**
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 ---------- (ESVP / 879529-016 / Rohde & Schwarz)

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

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

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.

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Facsimile : (03) 3406-9967

FCC ID : **F5GMX-2700**
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: PC Mode
Test Procedure: ANSI C63.4-1992

Date of measurement: February 9, 1999
Temperature: 16 degree C
Humidity: 37 %

Frequency	*Correction Factor*	*Results Meter Reading. (dBuV/m)*		*Results Emission Level*	*Limit*	*Margin*
(Mhz)	*(dB)*	*Hori.*	*Vert.*	*(dBuV/m)*	*(dBuV/m)*	*(dBuV/m)*
32.900	18.8	-	27.7	27.7	40.0	12.3
53.030	11.6	-	25.7	25.7	40.0	14.3
88.000	9.7	21.5	24.9	24.9	40.0	15.1
110.000	13.8	-	22.6	22.6	43.5	20.9
113.000	14.2	23.5	-	23.5	43.5	20.0
138.000	16.5	-	28.3	28.3	43.5	15.2
140.000	16.6	28.3	27.5	28.3	43.5	15.2
153.200	17.4	32.6	29.4	32.6	43.5	10.9
172.300	18.2	29.2	-	29.2	43.5	14.3
193.700	19.4	-	26.8	26.8	43.5	16.7
245.460	20.9	-	27.5	27.5	46.0	18.5
332.890	20.6	34.9	30.0	34.9	46.0	11.1
399.470	21.6	38.1	33.0	38.1	46.0	7.9
449.000	23.1	-	29.8	29.8	46.0	16.2
599.200	26.4	-	32.3	32.3	46.0	13.7
798.940	29.3	33.6	37.5	37.5	46.0	8.5

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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MINATO-KU, TOKYO 106, JAPAN
Telephone: (03) 3406-2934
Facsimile : (03) 3406-9967

FCC ID : **F5GMX-2700**
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;

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.

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: February 12, 1999
Issued in: Saku-city, Japan

TDK APPLICATION No.: TDC-99-0204

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

2. Factory : 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 CAMERA
3-2	Category	: Class B DIGITAL DEVICE
3-3	FCC ID	: F5GMX-2700
3-4	Trade Name	: FUJIFILM
3-5	Model No.	: MX-2700
3-6	Serial No.	: 100028U
3-7	Date of Manufacture	: ———
3-8	Power Supply	: 120 V AC , 60Hz

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

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

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

7. Date of Measurement : February 09, 1999

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 labratory.

Yukio Kobayashi
Yukio Kobayashi

Chief of TDK CHIKUMAGAWA
OPEN SITE

MEASUREMENT RESULTS OF RADIATED RADIO NOISE AT 3m

Date: February 09, 1999
Temp. : 16℃: Humi. : 37%

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

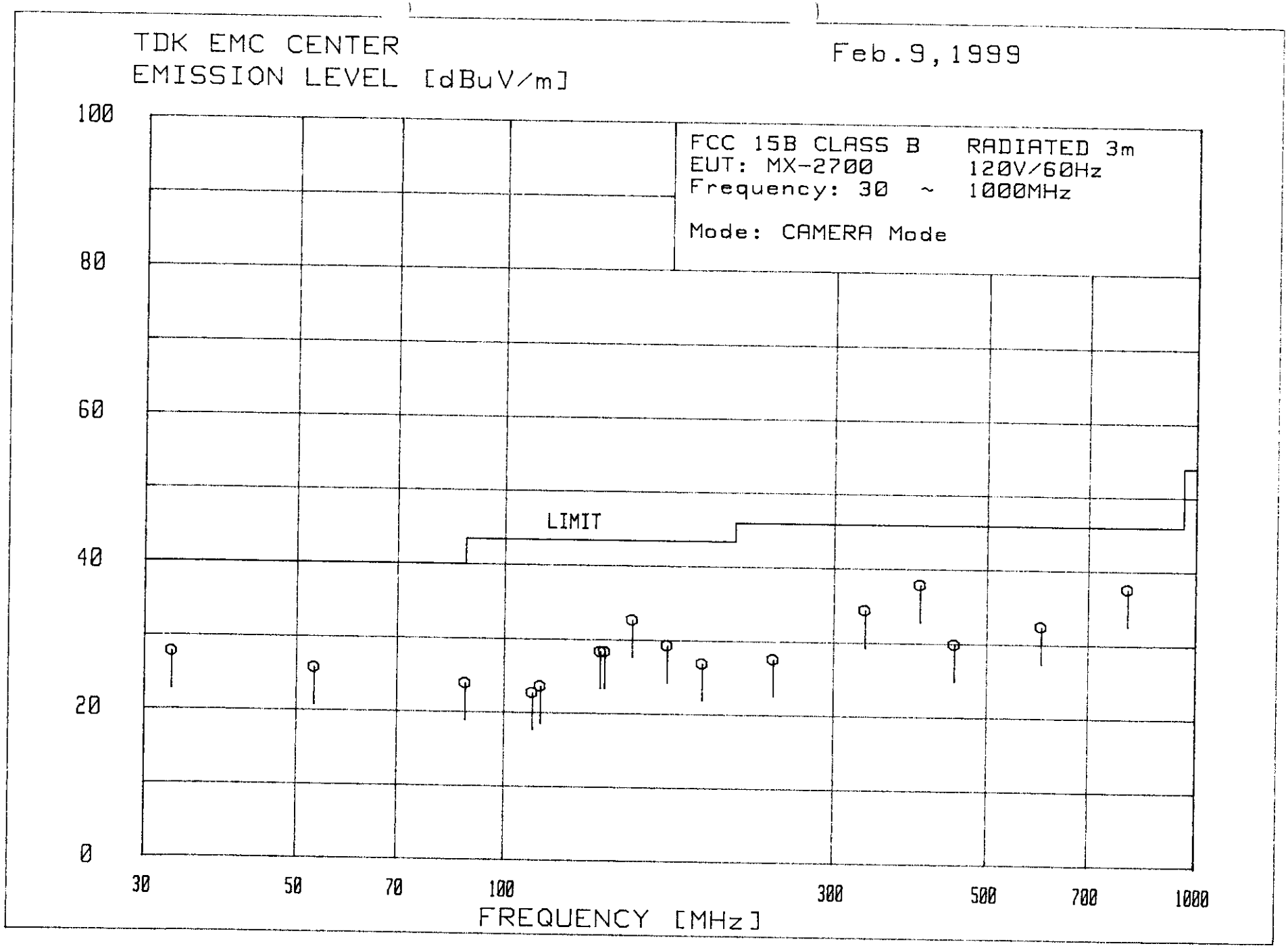
Description of Device
EUT : DIGITAL CAMERA
Model No.: MX-2700

Test Condition of EUT
1) Configuration : Refer to sheet No. 5, 6 and 7.
2) Ground : None
3) Operating Condition: Camera mode.

Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBμV/m)		Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
		Hori.	Vert.			
32.900	18.8	——	27.7	27.7	40.0	12.3
53.030	11.6	——	25.7	25.7	40.0	14.3
88.000	9.7	21.5	23.8	23.8	40.0	16.2
110.000	13.8	——	22.6	22.6	43.5	20.9
113.000	14.2	23.5	——	23.5	43.5	20.0
138.000	16.5	——	28.3	28.3	43.5	15.2
140.000	16.6	28.3	——	28.3	43.5	15.2
153.200	17.4	32.6	28.9	32.6	43.5	10.9
172.300	18.2	29.2	——	29.2	43.5	14.3
193.700	19.4	——	26.8	26.8	43.5	16.7
245.460	20.9	——	27.5	27.5	46.0	18.5
332.890	20.6	34.3	30.0	34.3	46.0	11.7
399.470	21.9	37.8	——	37.8	46.0	8.2
449.000	23.1	——	29.8	29.8	46.0	16.2
599.200	26.4	——	32.3	32.3	46.0	13.7
798.940	29.3	33.6	37.5	37.5	46.0	8.5

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
Kunihiko Ooi
Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE


TDK EMC CENTER
EMISSION LEVEL [dBuV/m]
Feb.9,1999
FCC 15B CLASS B RADIATED 3m
EUT: MX-2700 120V/60Hz
Frequency: 30 ~ 1000MHz
Mode: CAMERA Mode
LIMIT
100
80
60
40
20
0
30
50
70
100
300
500
700
1000
FREQUENCY [MHz]

MEASUREMENT RESULTS OF RADIATED RADIO NOISE AT 3m

Date: February 09, 1999
Temp. : 16℃: Humi. : 37%

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

Description of Device
EUT : DIGITAL CAMERA
Model No.: MX-2700

Test Condition of EUT
1) Configuration : Refer to sheet No. 5, 6 and 7.
2) Ground : None
3) Operating Condition: PC mode.

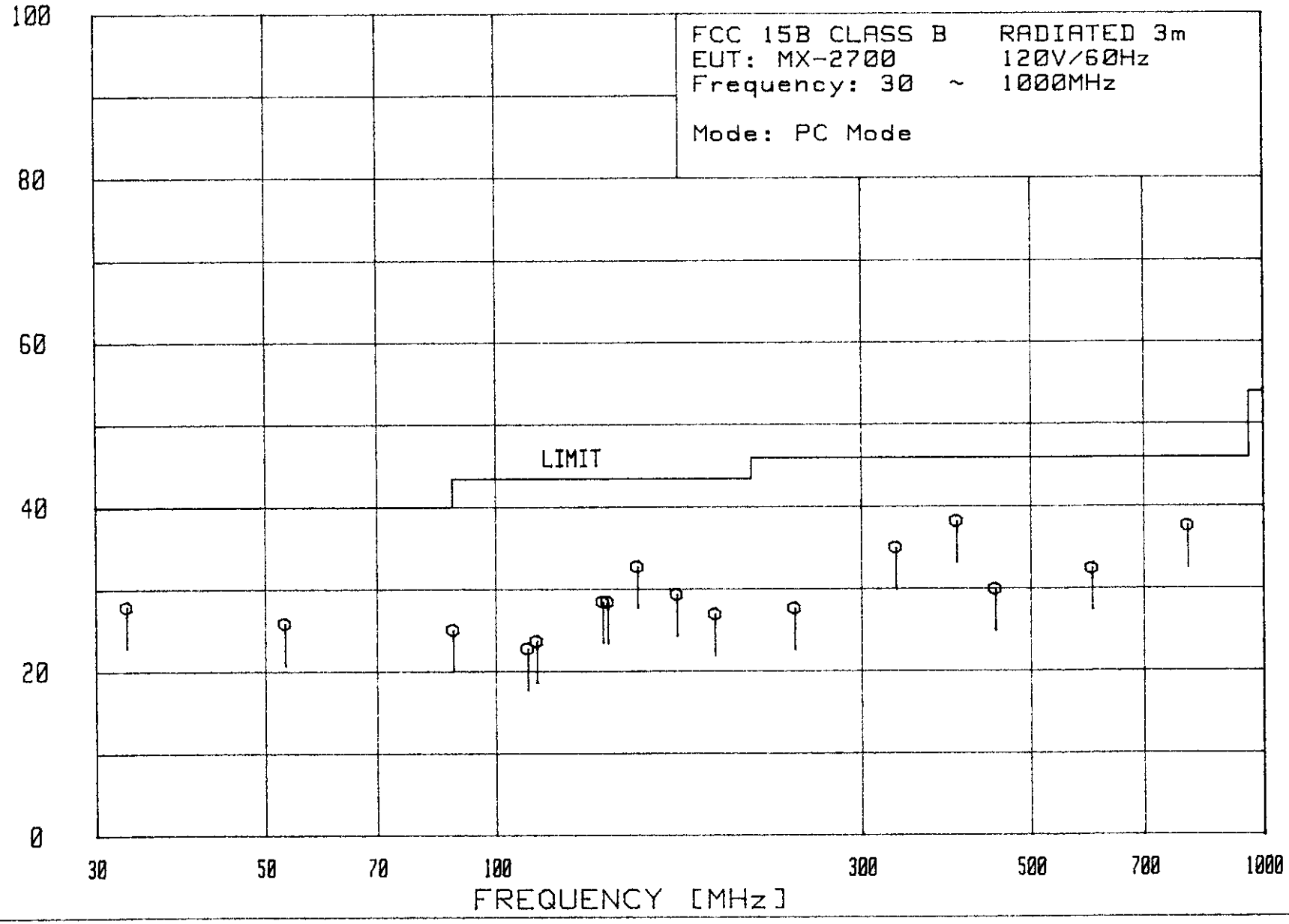
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBμV/m)		Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)
		Hori.	Vert.			
32.900	18.8	——	27.7	27.7	40.0	12.3
53.030	11.6	——	25.7	25.7	40.0	14.3
88.000	9.7	21.5	24.9	24.9	40.0	15.1
110.000	13.8	——	22.6	22.6	43.5	20.9
113.000	14.2	23.5	——	23.5	43.5	20.0
138.000	16.5	——	28.3	28.3	43.5	15.2
140.000	16.6	28.3	27.5	28.3	43.5	15.2
153.200	17.4	32.6	29.4	32.6	43.5	10.9
172.300	18.2	29.2	——	29.2	43.5	14.3
193.700	19.4	——	26.8	26.8	43.5	16.7
245.460	20.9	——	27.5	27.5	46.0	18.5
332.890	20.6	34.9	30.0	34.9	46.0	11.1
399.470	21.9	38.1	33.0	38.1	46.0	7.9
449.000	23.1	——	29.8	29.8	46.0	16.2
599.200	26.4	——	32.3	32.3	46.0	13.7
798.940	29.3	33.6	37.5	37.5	46.0	8.5

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.

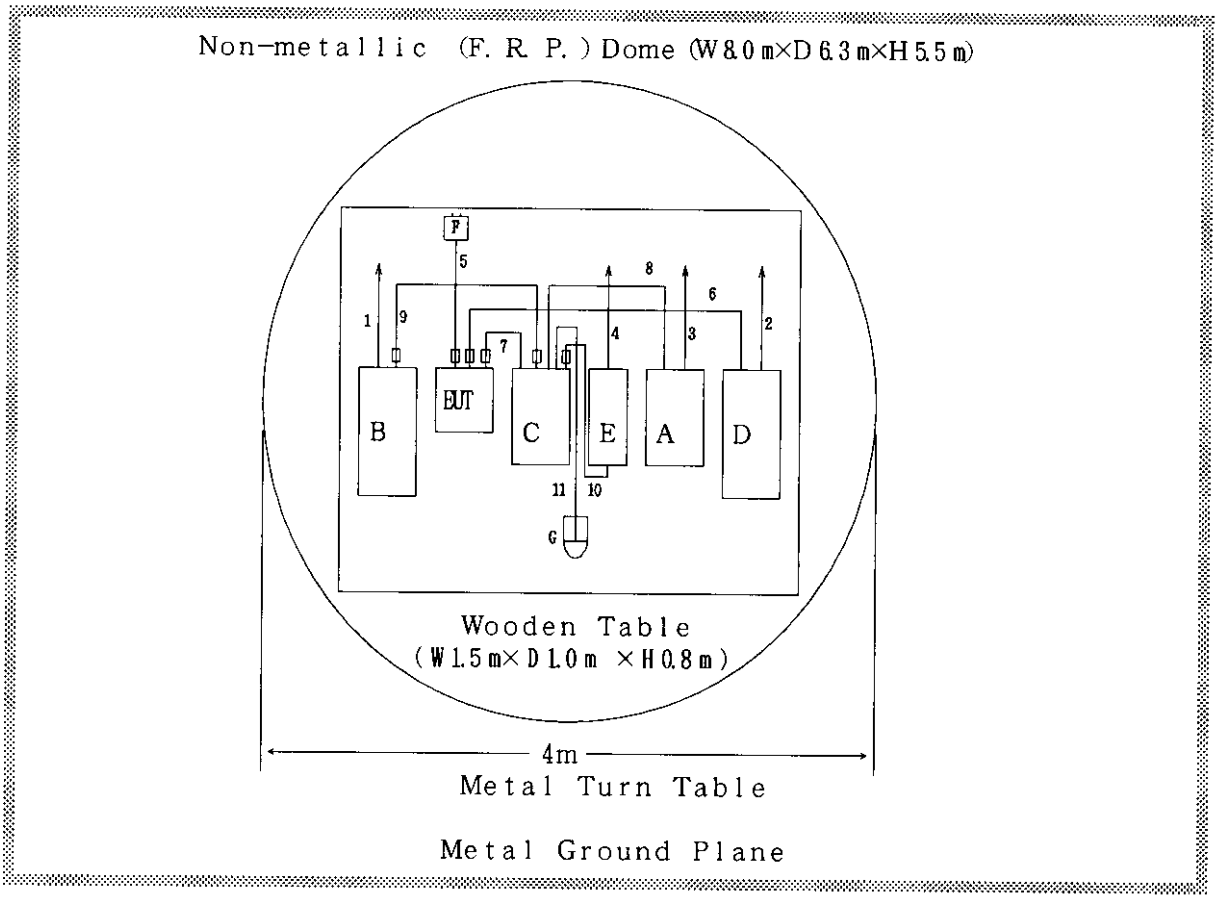
Kunihiko Ooi
Kunihiko Ooi
Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE

TDK EMC CENTER
EMISSION LEVEL [dBuV/m]

Feb.9,1999



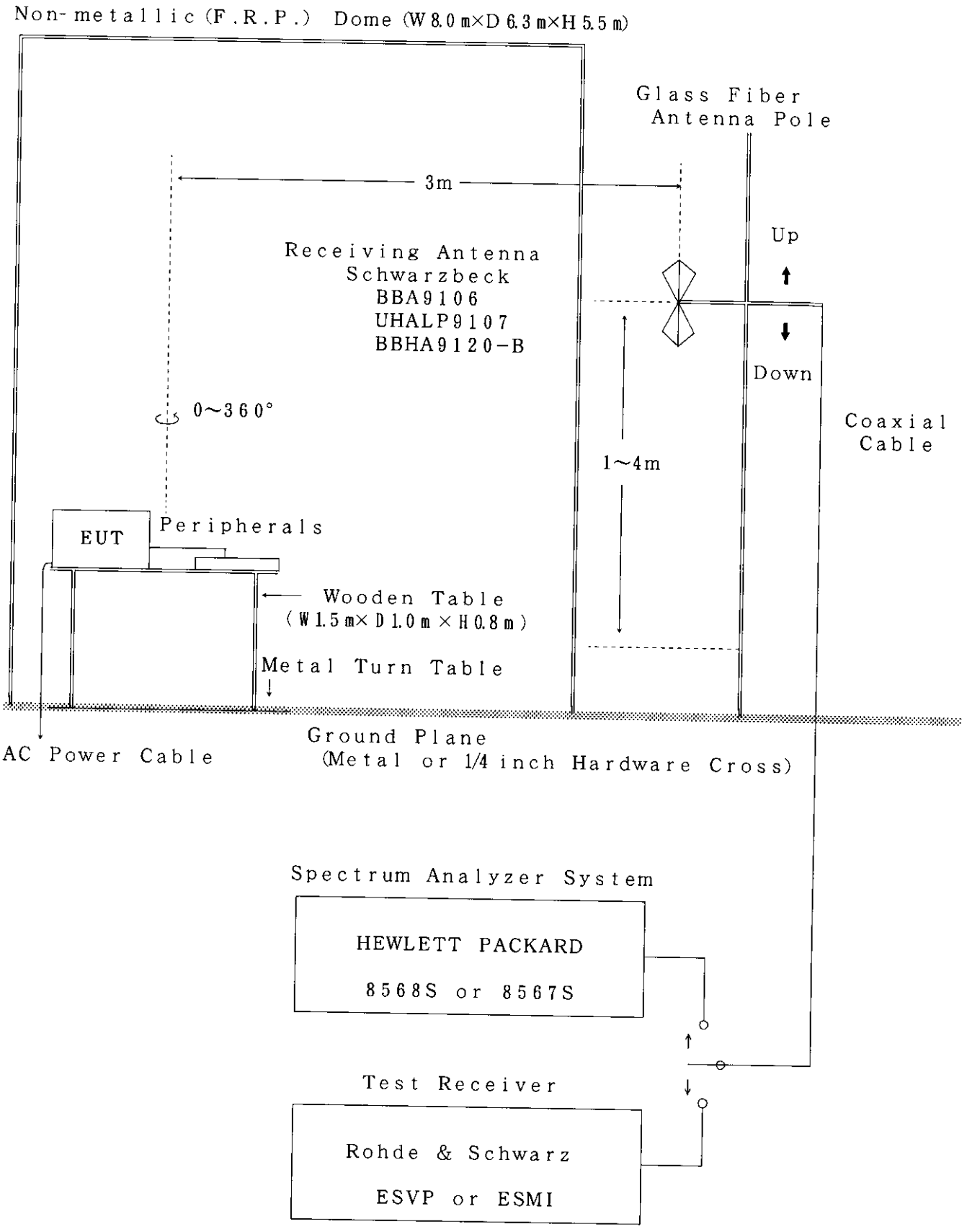
EUT'S Test Arrangement of Radiation



Device		Model No.	FCC ID	SER. No.	Manufacturer
EUT	DIGITAL CAMERA	MX-2700	F5GMX-2700	100028U	FUJI PHOTO FILM Co., LTD
A	SCANNER	AP-1	F5GAP-1	100027	FUJI PHOTO FILM Co., LTD
B	PC MONITOR	M2978	BEJCA500	CY5430HF3CV	LG ELECTRONICS, INC.
C	COMPUTER	XPIP133ST	E2KXPE2KXPT	98417	DELL COMPUTER
D	VIDEO MONITOR	CMM43A1	——	M55894034	SHIBASOKU
E	AC ADAPTER	ZVC65N	——	4360	DELL COMPUTER
F	AC ADAPTER	AC-5V	——	7237	FUJI PHOTO FILM Co., LTD
G	MOUSE	2.1A	C3KKMP3	——	MICRO SOFT

Cable		Model No.	Cable Length	Special Attribute
1	AC CABLE	—	1.7 m	FERRITE NO
2	AC CABLE	—	1.7 m	FERRITE NO
3	AC CABLE	—	1.8 m	FERRITE NO
4	AC CABLE	—	1.7 m	FERRITE NO
5	AC ADAPTER CABEL	—	1.8 m	SHIELD YES FERRITE YES
6	VIDEO CABLE	—	1.3 m	SHIELD YES FERRITE YES
7	RS232C CABLE	—	1.95m	SHIELD YES FERRITE YES
8	PRINTER CABLE	—	1.5 m	SHIELD YES FERRITE NO
9	PC MONITOR CABLE	—	1.5 m	SHIELD YES FERRITE YES
10	AC ADAPTER CABLE	—	1.9 m	SHIELD YES FERRITE YES
11	MOUSE CABLE	—	1.8 m	SHIELD YES FERRITE NO

Test Arrangement of Radiation



MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date: February 09, 1999
Temp. : 15℃: Humi. : 52%

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 CAMERA
Model No. : MX-2700

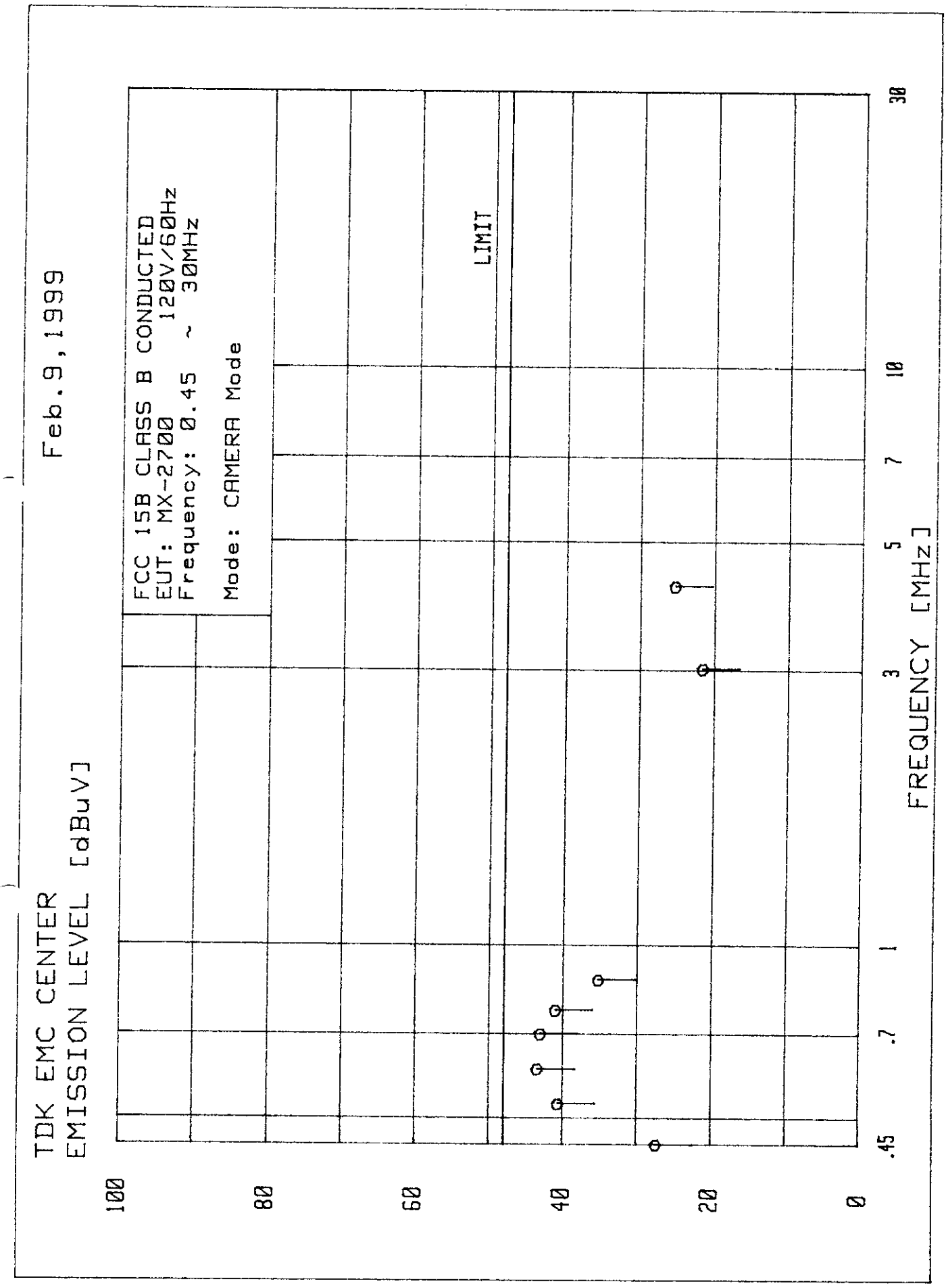
Test Condition of EUT
1) Configuration : Refer to sheet No. 13, 14 and 15.
2) Ground : None
3) Operating Condition: Camera mode.

Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBμV)		Emission Level (dBμV)	Limit (dBμV)	Margin (dB)
		VA	VB			
0.4500	—	21.5	27.2	27.2	47.9	20.7
0.5300	—	34.7	40.5	40.5	47.9	7.4
0.6100	—	39.0	43.3	43.3	47.9	4.6
0.7000	—	40.0	42.9	42.9	47.9	5.0
0.7700	—	38.9	40.9	40.9	47.9	7.0
0.8700	—	35.1	35.0	35.1	47.9	12.8
3.0200	—	21.4	21.0	21.4	47.9	26.5
4.1900	—	25.1	25.2	25.2	47.9	22.7

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.

Kunihiko Ooi

Kunihiko Ooi
Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE


TDK EMC CENTER
EMISSION LEVEL [dBuV]
Feb.9,1999
FCC 15B CLASS B CONDUCTED
EUT: MX-2700 120V/60Hz
Frequency: 0.45 ~ 30MHz
Mode: CAMERA Mode
LIMIT
100
80
60
40
20
0
.45
.7
1
3
5
7
10
30
FREQUENCY [MHz]

MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date: February 09, 1999
Temp. : 15℃: Humi. : 52%

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 CAMERA
Model No.: MX-2700

Test Condition of EUT
1) Configuration : Refer to sheet No. 13, 14 and 15.
2) Ground : None
3) Operating Condition: PC mode.

Frequency (MHz)	Correction Factor (dB)	Meter Reading (dBμV)		Emission Level (dBμV)	Limit (dBμV)	Margin (dB)
		VA	VB			
0.4900	—	36.3	41.5	41.5	47.9	6.4
0.5900	—	38.3	42.2	42.2	47.9	5.7
0.6900	—	40.2	42.9	42.9	47.9	5.0
0.7800	—	39.0	39.0	39.0	47.9	8.9
0.8700	—	35.4	33.7	35.4	47.9	12.5
0.9800	—	31.4	28.4	31.4	47.9	16.5
4.0000	—	34.0	31.1	34.0	47.9	13.9
4.3200	—	27.5	27.0	27.5	47.9	20.4

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.

Kunihiko Ooi

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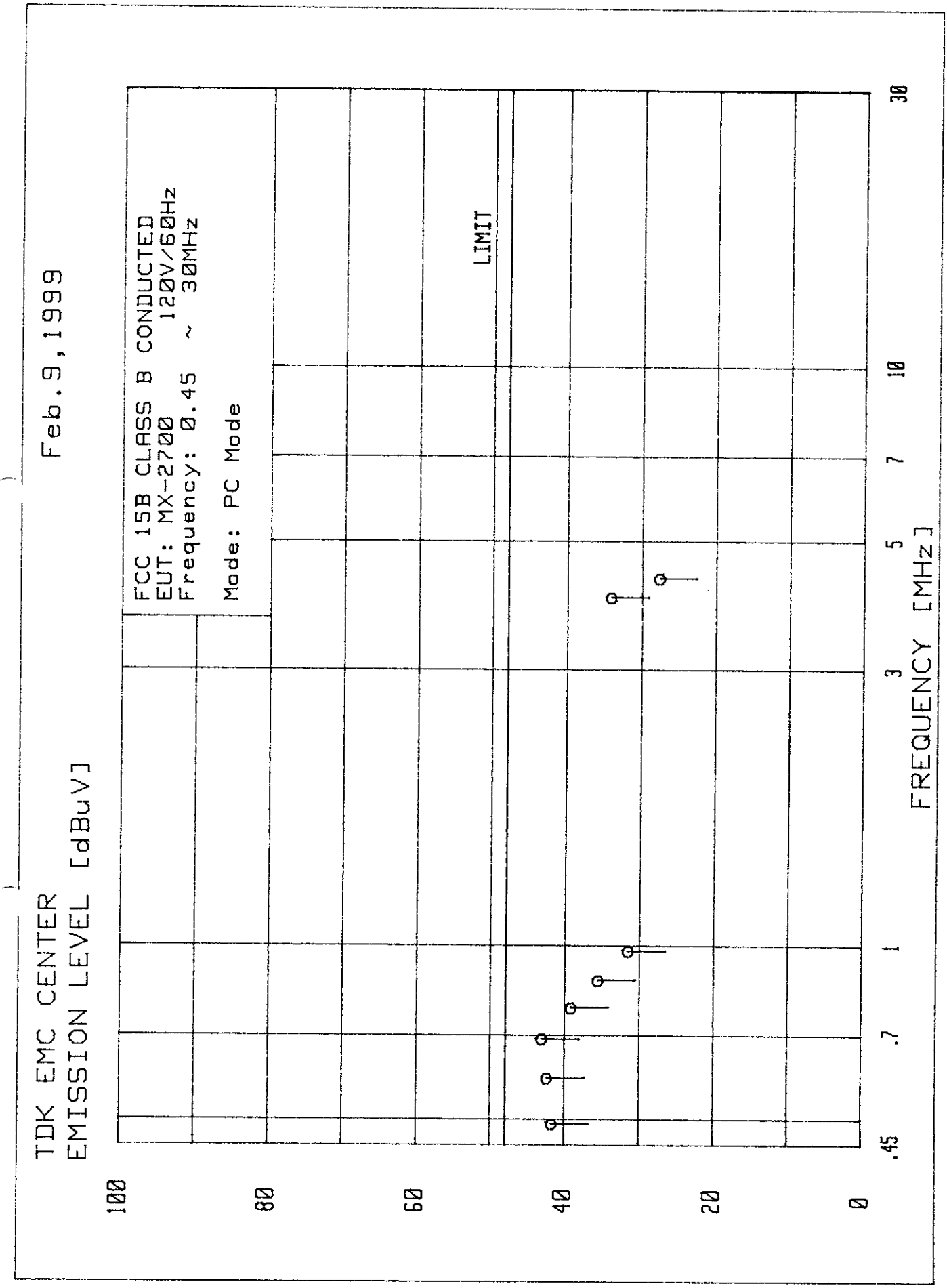
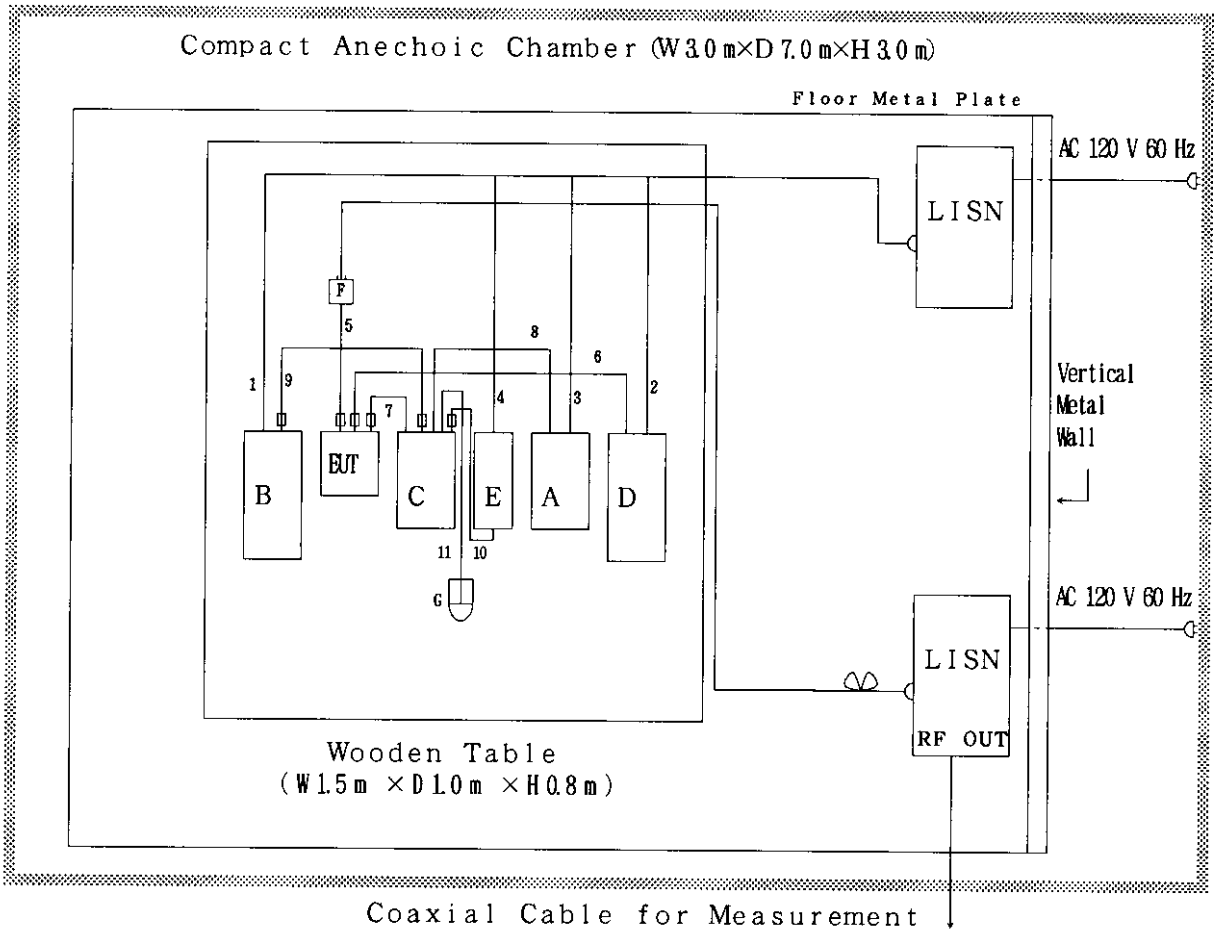
Engineer of TDK EMC CENTER
CHIKUMAGAWA OPEN SITE


TDK EMC CENTER
EMISSION LEVEL [dBuV]
Feb.9,1999
FCC 15B CLASS B CONDUCTED
EUT: MX-2700 120V/60Hz
Frequency: 0.45 ~ 30MHz
Mode: PC Mode
LIMIT
100
80
60
40
20
0
.45
.7
1
3
5
7
10
30
FREQUENCY [MHz]

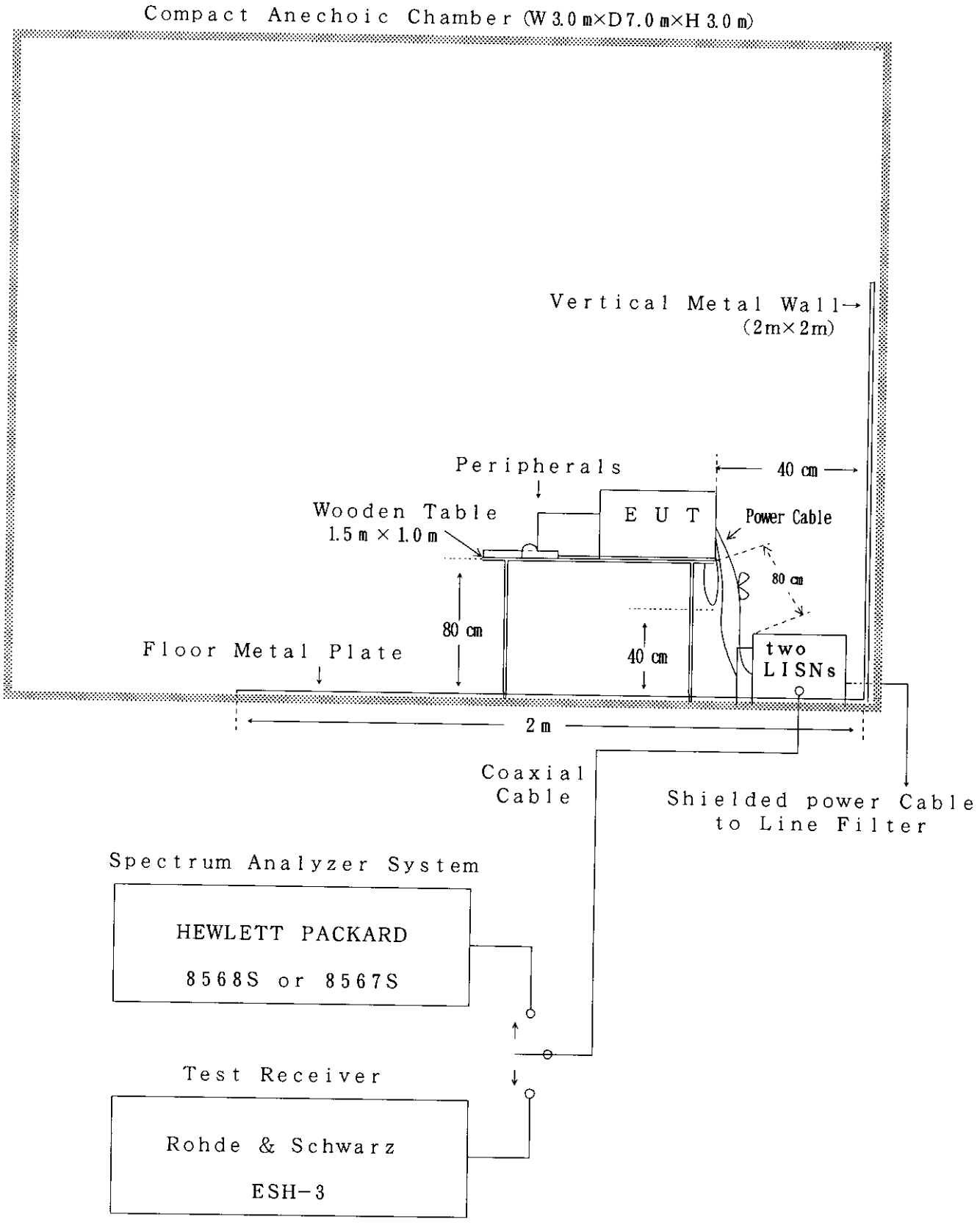
EUT'S Test Arrangement of Conduction



Device		Model No.	FCC ID	SER No.	Manufacturer
EUT	DIGITAL CAMERA	MX-2700	F5GMX-2700	100028U	FUJI PHOTO FILM Co., LTD
A	SCANNER	AP-1	F5GAP-1	100027	FUJI PHOTO FILM Co., LTD
B	PC MONITOR	M2978	BEJCA500	CY5430HF3CV	LG ELECTRONICS, INC.
C	COMPUTER	XPIP133ST	E2KXPE2KXPT	98417	DELL COMPUTER
D	VIDEO MONITOR	CMM43A1	——	M55894034	SHIBASOKU
E	AC ADAPTER	ZVC65N	——	4360	DELL COMPUTER
F	AC ADAPTER	AC-5V	——	7237	FUJI PHOTO FILM Co., LTD
G	MOUSE	2. 1A	C3KKMP3	——	MICRO SOFT

Cable		Model No.	Cable Length	Special Attribute
1	AC CABLE	—	1.7 m	FERRITE NO
2	AC CABLE	—	1.7 m	FERRITE NO
3	AC CABLE	—	1.8 m	FERRITE NO
4	AC CABLE	—	1.7 m	FERRITE NO
5	AC ADAPTER CABEL	—	1.8 m	SHIELD YES FERRITE YES
6	VIDEO CABLE	—	1.3 m	SHIELD YES FERRITE YES
7	RS232C CABLE	—	1.95m	SHIELD YES FERRITE YES
8	PRINTER CABLE	—	1.5 m	SHIELD YES FERRITE NO
9	PC MONITOR CABLE	—	1.5 m	SHIELD YES FERRITE YES
10	AC ADAPTER CABLE	—	1.9 m	SHIELD YES FERRITE YES
11	MOUSE CABLE	—	1.8 m	SHIELD YES FERRITE NO

Test Arrangement of Conduction



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	ESMI	61360008
☐ Artificial Mains Network (50μH+5Ω/50Ω)	Rohde & Schwarz	ESH2-Z5	881362/011
☑ Artificial Mains Network (50Ω/50μH)	Kyoritsu Electrical	KNW-407	8-823-10
☑ Artificial Mains Network (50Ω/50μH)	Kyoritsu Electrical	KNW-407	8-680-7
☐ Artificial Mains Network (50Ω/50μH)	Kyoritsu Electrical	KNW-242	8-701-5
☐ Artificial Mains Network (50Ω/50μH)	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