

TDK EMC CENTER CHIKUMAGAWA OPEN SITE

543 OTAI SAKU-CITY NAGANO JAPAN

REPORT OF MEASUREMENTS ON DIGITAL DEVICE

Date : July 31 ,2001

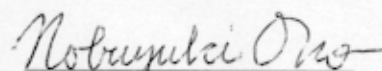
Issued in : Saku-city , JAPAN

TDK APPLICATION No.: TDC-01-0713

1. Applicant : FUJI PHOTO FILM CO. , LTD
13-45 , SENZUI 3 - CHOME , ASAKA - SHI , SAITAMA
351 - 8585 JAPAN
2. Factory : FUJI FILM PHOTONIX CO. , LTD.
1 - 6 , MATSUZAKADAIRA TAIWA - CHO ,
KUROKAWA - GUN , MIYAGI - KEN , 981 - 3492 JAPAN
3. Description of Equipment Under Test (EUT)
- 3-1. EUT : DIGITAL CAMERA
3-2. Category : FCC Class B Digital Device
3-3. FCC ID No. : F5GFP - 30I
3-4. Trade Name : FUJIFILM
3-5. Model No. : Fine Pix 30i
3-6. Serial No. : E07011
3-7. Date of Manufacture : July ,2001
3-8. Power Supply : 120 V AC , 60Hz
4. Regulation Applied : FCC Part 15 Subpart B CLASS B 3m
5. Measurement Procedure Used : ANSI C63.4 - 1992
6. Place of Measurement : TDK EMC CENTER CHIKUMAGAWA OPEN SITE
7. Date of Measurement : July 31 ,2001
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 items tested.

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


Nobuyuki Ono

Chief of TDK CHIKUMAGAWA OPEN SITE

Phone : 047-378-9470

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : July 31, 2001

Temp. : 31 °C ; Humi. : 48 %

Test Receiver :	Rohde & Schwarz ESCS 30		
Operation Mode :	Detector function : CISPR Quasi-Peak		
	6dB Band width : 120kHz	External Attenuator : none	

Description of Equipment DIGITAL CAMERA

Model No. : Fine Pix 30i

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT : Refer to sheet No.5, 6 and 7.

2) EUT Grounding : None.

3) Operating Condition : CAMERA Mode .

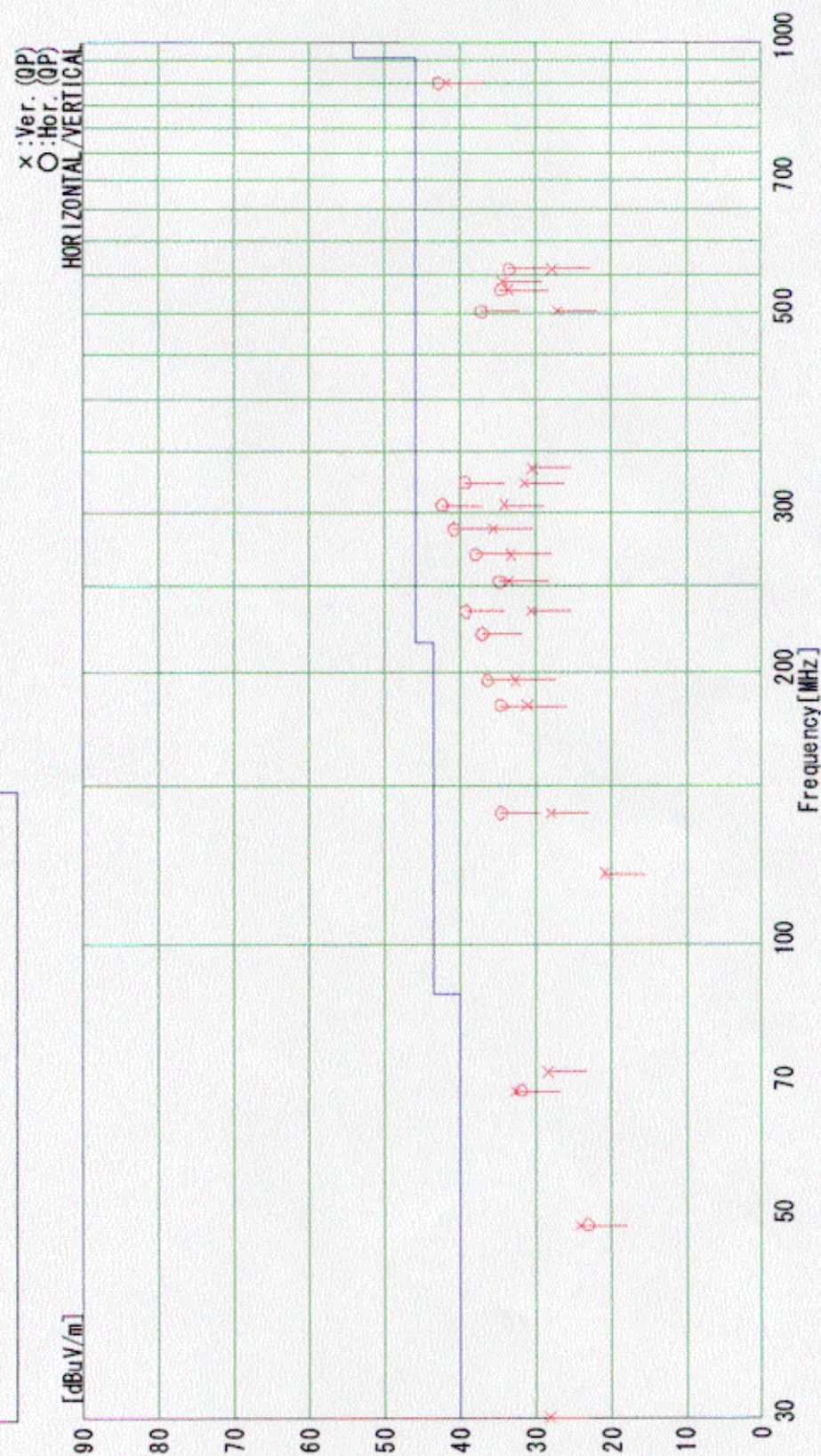
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Limit (dB μ V/m)	Emission Level (dB μ V/m)		Margin (dB)
		Hor.	Ver.		Hor.	Ver.	
30.000	19.9	---	28.0	40.0	---	28.0	12.0
48.990	12.8	23.0	24.0	40.0	23.0	24.0	16.0
68.890	7.9	31.8	32.5	40.0	31.8	32.5	7.5
72.340	7.7	---	28.3	40.0	---	28.3	11.7
120.020	14.9	---	20.7	43.5	---	20.7	22.8
140.020	16.4	34.5	27.9	43.5	34.5	27.9	9.0
184.090	18.7	34.6	31.0	43.5	34.6	31.0	8.9
196.360	19.2	36.3	32.6	43.5	36.3	32.6	7.2
220.900	20.3	37.0	---	46.0	37.0	---	9.0
234.000	20.7	39.2	30.5	46.0	39.2	30.5	6.8
252.000	20.8	34.7	33.4	46.0	34.7	33.4	11.3
270.000	21.4	37.8	33.1	46.0	37.8	33.1	8.2
288.000	22.3	40.7	35.5	46.0	40.7	35.5	5.3
306.000	19.7	42.3	34.0	46.0	42.3	34.0	3.7
324.000	20.1	39.3	31.4	46.0	39.3	31.4	6.7
336.020	20.3	---	30.4	46.0	---	30.4	15.6
501.130	23.6	37.1	26.9	46.0	37.1	26.9	8.9
529.770	24.2	34.5	33.4	46.0	34.5	33.4	11.5
540.840	24.4	---	34.2	46.0	---	34.2	11.8
558.410	24.8	33.4	27.7	46.0	33.4	27.7	12.6
899.110	31.8	42.8	41.8	46.0	42.8	41.8	3.2

Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).

2) Margin = Limit - Emission Level.

Tested by : *Tsunehiko Ogi*
Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
EUT : Fine Pix 30i 120V/60Hz
MODE : CAMERA Mode
Frequency : 30 ~ 1000 MHz



MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : July 31 ,2001

Temp. : 31 °C ; Humi. : 48 %

Test Receiver : Rohde & Schwarz ESCS 30

Operation Mode : Detector function : CISPR Quasi-Peak

6dB Band width : 120kHz

External Attenuator : none

Description of Equipment DIGITAL CAMERA

Model No. : Fine Pix 30i

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT : Refer to sheet No.5, 6 and 7.

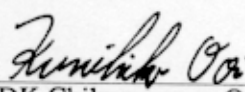
2) EUT Grounding : None.

3) Operating Condition : USB PC CAMERA Mode .

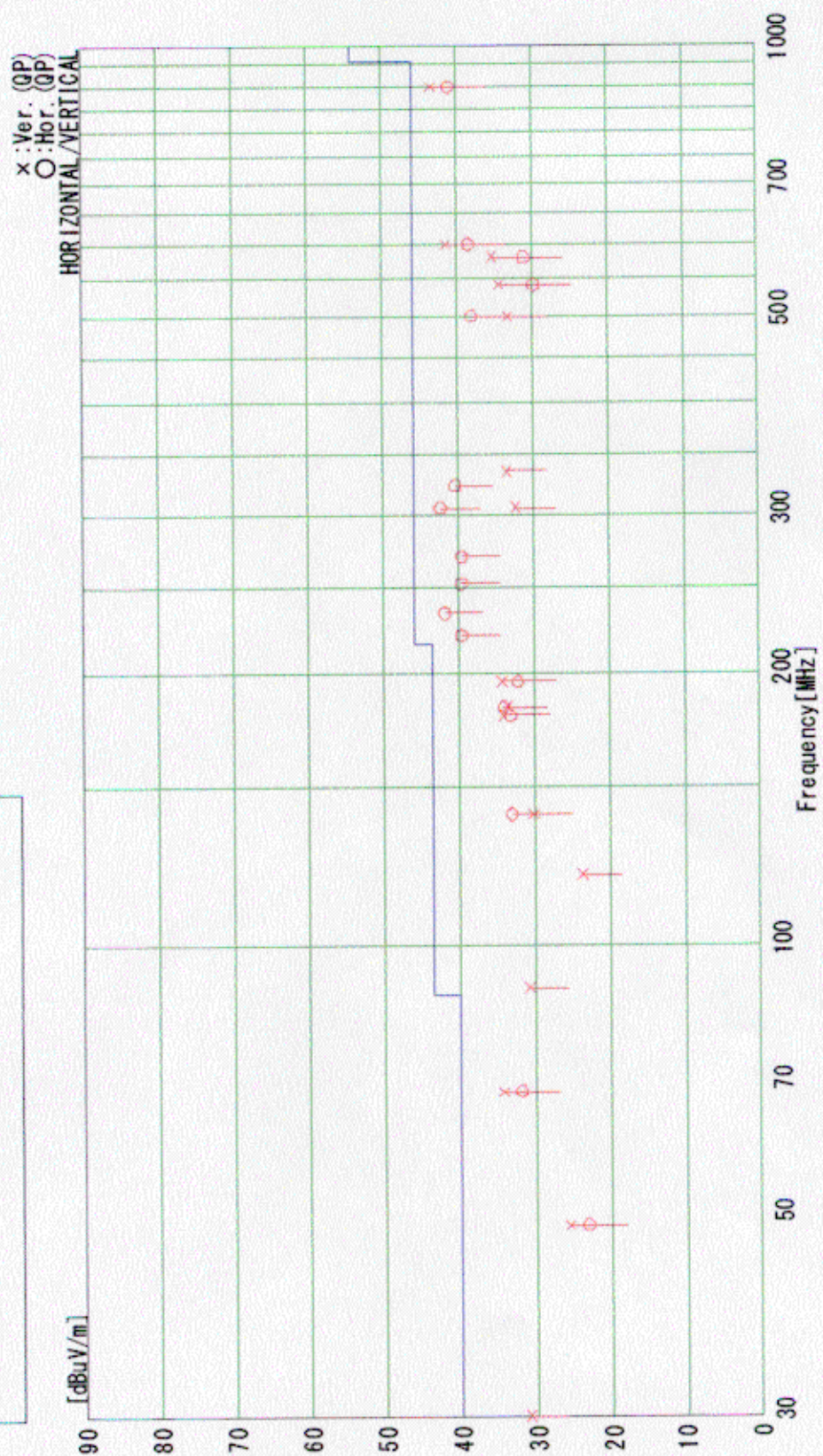
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Limit (dB μ V/m)	Emission Level (dB μ V/m)		Margin (dB)
		Hor.	Ver.		Hor.	Ver.	
30.000	19.9	---	30.9	40.0	---	30.9	9.1
48.990	12.8	23.0	25.5	40.0	23.0	25.5	14.5
68.890	7.9	31.8	34.2	40.0	31.8	34.2	5.8
90.000	10.0	---	30.6	43.5	---	30.6	12.9
120.020	14.9	---	23.6	43.5	---	23.6	19.9
140.020	16.4	33.0	30.1	43.5	33.0	30.1	10.5
180.000	18.5	33.1	34.0	43.5	33.1	34.0	9.5
184.090	18.7	33.9	33.4	43.5	33.9	33.4	9.6
196.360	19.2	32.1	34.2	43.5	32.1	34.2	9.3
220.900	20.3	39.6	---	46.0	39.6	---	6.4
234.000	20.7	41.8	---	46.0	41.8	---	4.2
252.000	20.8	39.6	---	46.0	39.6	---	6.4
270.000	21.4	39.5	---	46.0	39.5	---	6.5
306.000	19.7	42.3	32.3	46.0	42.3	32.3	3.7
324.000	20.1	40.3	---	46.0	40.3	---	5.7
336.020	20.3	---	33.4	46.0	---	33.4	12.6
499.720	23.6	38.0	33.1	46.0	38.0	33.1	8.0
540.880	24.4	29.7	34.4	46.0	29.7	34.4	11.6
580.950	25.5	31.0	35.2	46.0	31.0	35.2	10.8
600.040	26.0	38.4	41.4	46.0	38.4	41.4	4.6
899.110	31.8	41.0	43.3	46.0	41.0	43.3	2.7

Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).

2) Margin = Limit - Emission Level.

Tested by : 
Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
EUT : Fine Pix 30i 120V/60Hz
MODE : USB PC CAMERA Mode
Frequency : 30 ~ 1000 MHz



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Test Receiver : Rohde & Schwarz ESCS 30
 Operation Mode : Detector function : CISPR Quasi-Peak
 6dB Band width : 120kHz External Attenuator : none

Description of Equipment DIGITAL CAMERA

Model No. : Fine Pix 30i

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT : Refer to sheet No.5, 6 and 7.

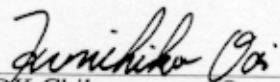
2) EUT Grounding : None.

3) Operating Condition : AUDIO Mode .

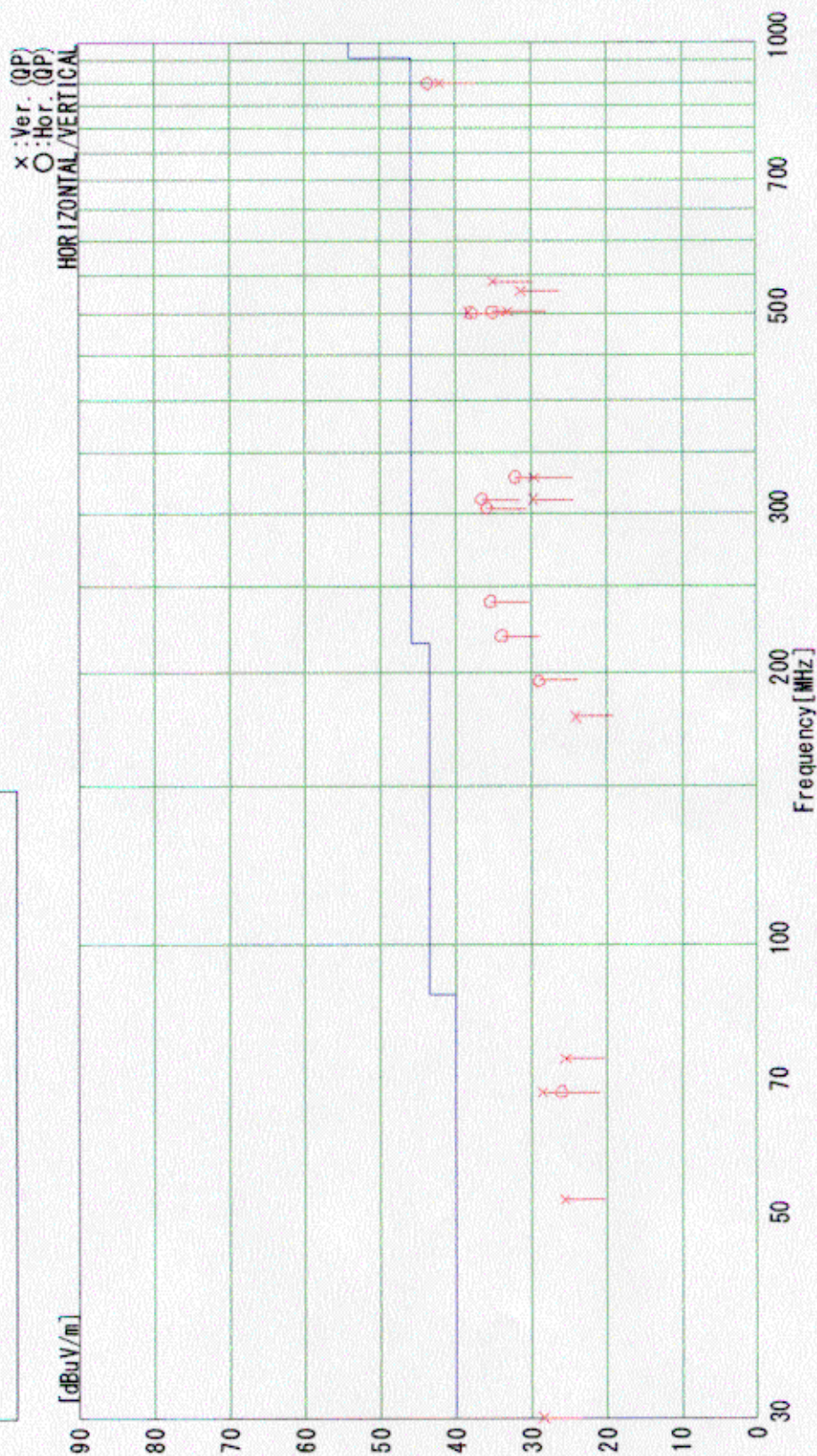
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Limit (dB μ V/m)	Emission Level (dB μ V/m)		Margin (dB)
		Hor.	Ver.		Hor.	Ver.	
30.000	19.9	---	28.3	40.0	---	28.3	11.7
52.370	11.7	---	25.5	40.0	---	25.5	14.5
68.890	7.9	25.9	28.5	40.0	25.9	28.5	11.5
74.890	7.7	---	25.3	40.0	---	25.3	14.7
178.980	18.4	---	24.1	43.5	---	24.1	19.4
196.360	19.2	28.9	---	43.5	28.9	---	14.6
220.030	20.3	33.8	---	46.0	33.8	---	12.2
240.040	20.7	35.3	---	46.0	35.3	---	10.7
304.260	19.7	35.8	---	46.0	35.8	---	10.2
311.420	19.8	36.5	29.6	46.0	36.5	29.6	9.5
329.320	20.2	32.0	29.5	46.0	32.0	29.5	14.0
499.740	23.6	37.8	38.2	46.0	37.8	38.2	7.8
501.130	23.6	35.0	33.0	46.0	35.0	33.0	11.0
528.030	24.2	---	31.3	46.0	---	31.3	14.7
540.840	24.4	---	34.9	46.0	---	34.9	11.1
899.110	31.8	43.6	42.1	46.0	43.6	42.1	2.4

Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).

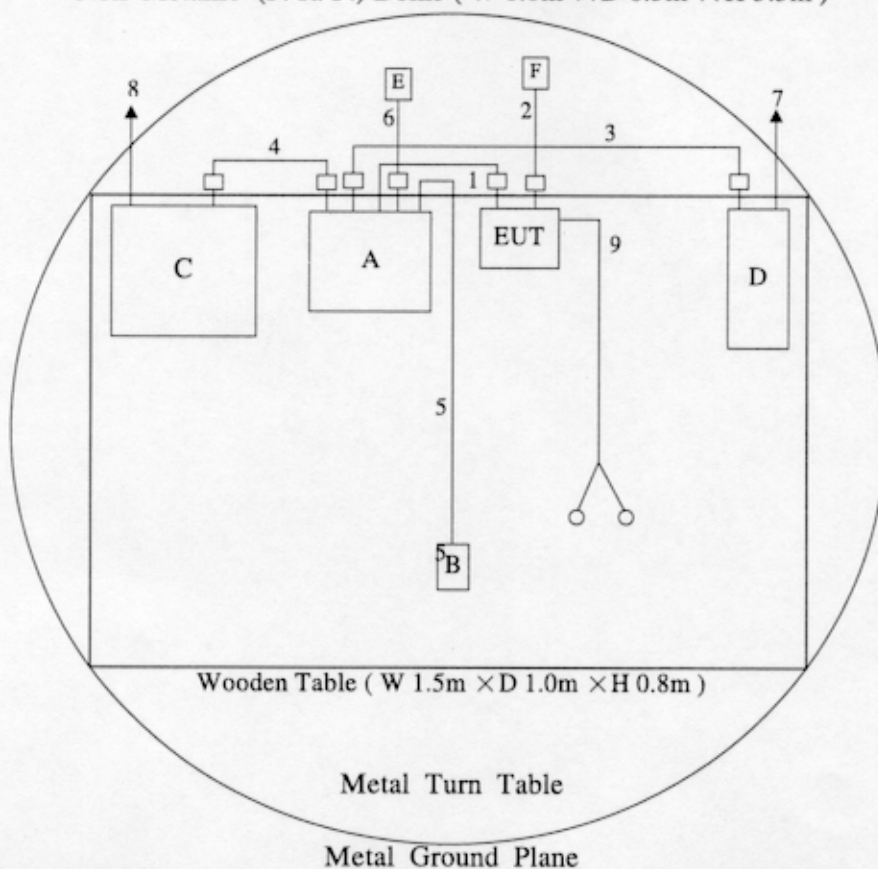
2) Margin = Limit - Emission Level.

Tested by : 
 Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
 EUT : Fine Pix 30i 120V/60Hz
 MODE : AUDIO Mode
 Frequency : 30 ~ 1000 MHz



EUT's Test Arrangement of Radiation
Non Metallic (F. R. P.) Dome (W 8.0m × D 6.3m × H 5.5m)



Test Configuration

No.	Device	MODEL No.	FCC ID	S/N	Manufacturer
EUT	DIGITAL CAMERA	Fine Pix 30i	F5GFP-30I	E07011	FUJI PHOTO FILM CO. , LTD.
A	PC NOTE BOOK COMPUTER	12XL212	DOC	1V08FHNJE1N	COMPAQ COMPUTER COR.
B	MOUSE	M-BB48	DOC	LZE01271677	Logitech
C	PC MONITOR	M2978	BEJCA500	CY5430HF3CV	LG ELECTRONICS
D	SCANNER	AS1	F5GAS-1	0009	FUJI PHOTO FILM CO. , LTD.
E	AC ADAPTER	LE-9702B-01	-----	177625-001	COMPAQ COMPUTER COR.
F	AC ADAPTER	AC-3V	-----	0044	FUJI PHOTO FILM CO. , LTD.

TDK Application No : TDC-01-0713

Connection Cables

No.	I/F & Power Cable	Model No.	Cable Length	Feraite Core	Manufacturer
1	USB CABLE	-----	1.20 m	YES	SHIELD YES
2	AC ADAPTOR CABLE	-----	1.90 m	YES	
3	SCSI CABLE	-----	1.50 m	YES	SHIELD YES
4	PC MONITOR CABLE	-----	1.65 m	YES	SHIELD YES
5	MOUSE CABLE	-----	1.90 m		SHIELD YES
6	AC ADAPTOR CABLE(PC)	-----	1.55 m	YES	
7	AC CABLE(SCANNER)	-----	1.80 m		
8	PC MONITOR POWER CABLE	-----	1.70 m		
9	HEAD PHONE CABLE	-----	1.77 m		

RADIATION MEASUREMENT

EUT : DIGITAL CAMERA

MODEL No. Fine Pix 30i

CONFIGURATION FRONT VIEW



CONFIGURATION REAR VIEW



EUT's Test Arrangement of Radiation

Fig 1

Non matallic (F. R. P.) Dome (W 8.0m × D 6.3m × H 5.5m)

