

TDK EMC CENTER CHIKUMAGAWA OPEN SITE

543 OTAI SAKU-CITY NAGANO JAPAN

REPORT OF MEASUREMENTS ON DIGITAL DEVICE

Date : February 07, 2000

Issued in : Saku-city, JAPAN

TDK APPLICATION No.: TDC-00-0109

1. Applicant : FUJI PHOTO FILM CO., LTD
13-45, SENZUI 3-CHOME, ASAKA-SHI, SAITAMA
351-8585 JAPAN
2. Factory : FUJIX 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-1400
3-4. Trade Name : FUJIFILM
3-5. Model No. : Fine Pix 1400Zoom
3-6. Serial No. : U00001
3-7. Date of Manufacture : December, 1999
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 : January 28, 2000
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.


Fumio Suga

Chief of TDK CHIKUMAGAWA OPEN SITE

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : January 28, 2000

Temp. : 15 °C ; Humi. : 26 %

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

Description of Equipment : DIGITAL CAMERA

Model No. : Fine Pix 1400Zoom

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 .

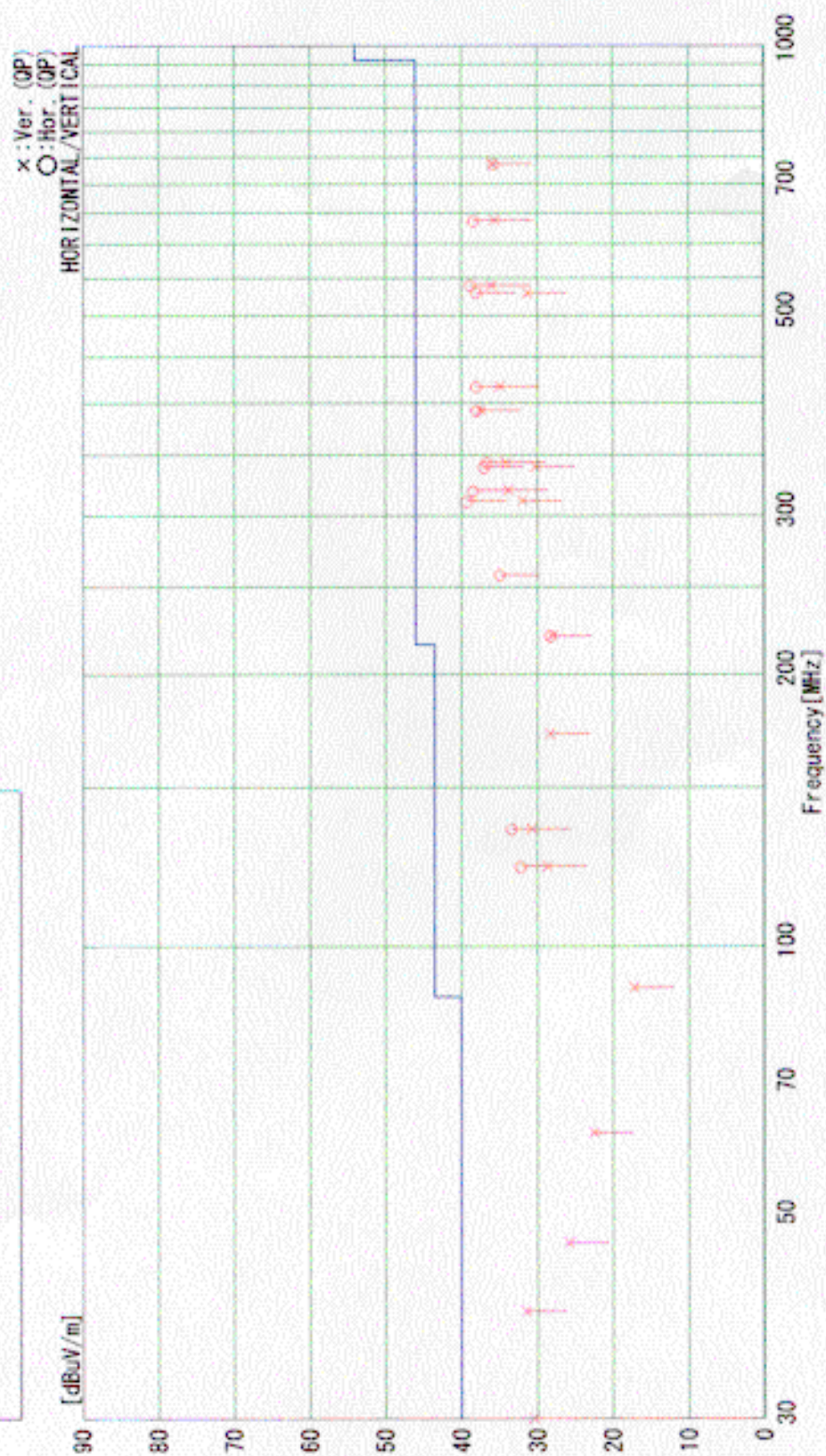
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Limit (dB μ V/m)	Emission Level (dB μ V/m)		Margin (dB)
		Hor.	Ver.		Hor.	Ver.	
30.000	20.0	---	30.4	40.0	---	30.4	9.6
39.400	16.2	---	31.4	40.0	---	31.4	8.6
46.980	13.6	---	25.8	40.0	---	25.8	14.2
62.200	9.0	---	22.5	40.0	---	22.5	17.5
90.000	10.1	---	17.2	43.5	---	17.2	26.3
122.730	15.4	32.0	28.6	43.5	32.0	28.6	11.5
135.000	16.4	33.3	30.7	43.5	33.3	30.7	10.2
171.820	18.2	---	28.3	43.5	---	28.3	15.2
220.910	20.6	28.2	28.0	46.0	28.2	28.0	17.8
257.720	21.2	34.8	---	46.0	34.8	---	11.2
311.420	20.1	39.2	32.0	46.0	39.2	32.0	6.8
320.050	20.3	38.3	33.8	46.0	38.3	33.8	7.7
340.050	20.7	37.0	30.2	46.0	37.0	30.2	9.0
343.630	20.8	36.6	34.1	46.0	36.6	34.1	9.4
392.720	21.8	37.9	37.4	46.0	37.9	37.4	8.1
417.270	22.3	38.0	34.9	46.0	38.0	34.9	8.0
529.770	24.7	38.0	31.3	46.0	38.0	31.3	8.0
540.080	25.0	38.8	36.0	46.0	38.8	36.0	7.2
638.170	27.3	38.3	35.6	46.0	38.3	35.6	7.7
736.350	28.7	35.7	35.9	46.0	35.7	35.9	10.1

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

2) Margin = Limit - Emission Level.

Tested by : *Junichiro Ooi*
 Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
 EUT : Fine Pix 1400Zoom 120V/60Hz
 MODE : CAMERA Mode
 Frequency : 30 ~ 1000 MHz



TDK Application No. : TDC-00-0109

MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : January 28, 2000

Temp. : 15 °C ; Humi. : 26 %

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

Description of Equipment : DIGITAL CAMERA

Model No. : Fine Pix 1400Zoom

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 : PC Mode .

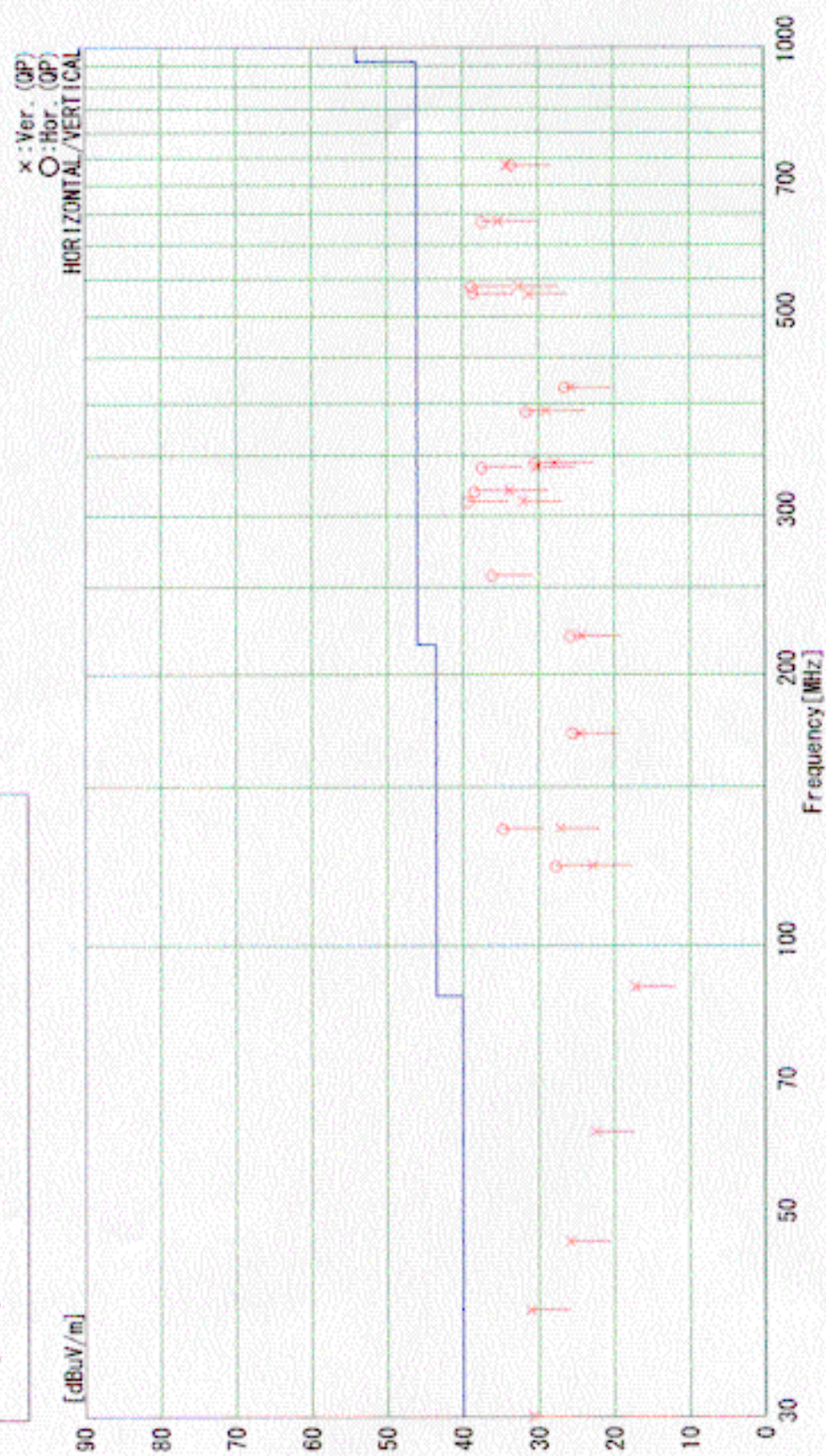
Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Limit (dB μ V/m)	Emission Level (dB μ V/m)		Margin (dB)
		Hor.	Ver.		Hor.	Ver.	
30.000	20.0	---	30.7	40.0	---	30.7	9.3
39.400	16.2	---	31.0	40.0	---	31.0	9.0
46.980	13.6	---	25.8	40.0	---	25.8	14.2
62.200	9.0	---	22.5	40.0	---	22.5	17.5
90.000	10.1	---	17.2	43.5	---	17.2	26.3
122.730	15.4	27.7	22.8	43.5	27.7	22.8	15.8
135.000	16.4	34.6	27.1	43.5	34.6	27.1	8.9
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392.720	21.8	31.6	29.0	46.0	31.6	29.0	14.4
417.270	22.3	26.5	25.6	46.0	26.5	25.6	19.5
529.770	24.7	38.5	31.3	46.0	38.5	31.3	7.5
540.080	25.0	38.7	32.6	46.0	38.7	32.6	7.3
638.170	27.3	37.3	35.3	46.0	37.3	35.3	8.7
736.350	28.7	33.5	34.2	46.0	33.5	34.2	11.8

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

2) Margin = Limit - Emission Level.

Tested by : *Junihiko Ooi*
 Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
 EUT : Fine Pix 1400Zoom 120V/60Hz
 MODE : PC Mode
 Frequency : 30 ~ 1000 MHz



MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date : January 28, 2000
Temp. : 18 °C ; Humi. : 32 %

Test Receiver :	Rohde & Schwarz ESH-3
Operation Mode :	Detector function : CISPR Quasi-Peak 6dB Band width : 10kHz
	External Attenuator : none

Description of Equipment :	DIGITAL CAMERA	
Model No. :	Fine Pix 1400Zoom	: Type : Desk Top

Test Condition of Equipment Under Test (EUT)	
1) Configuration of EUT :	Refer to sheet No.13, 14 and 15.
2) EUT Grounding :	None.
3) Operating Condition :	CAMERA Mode .

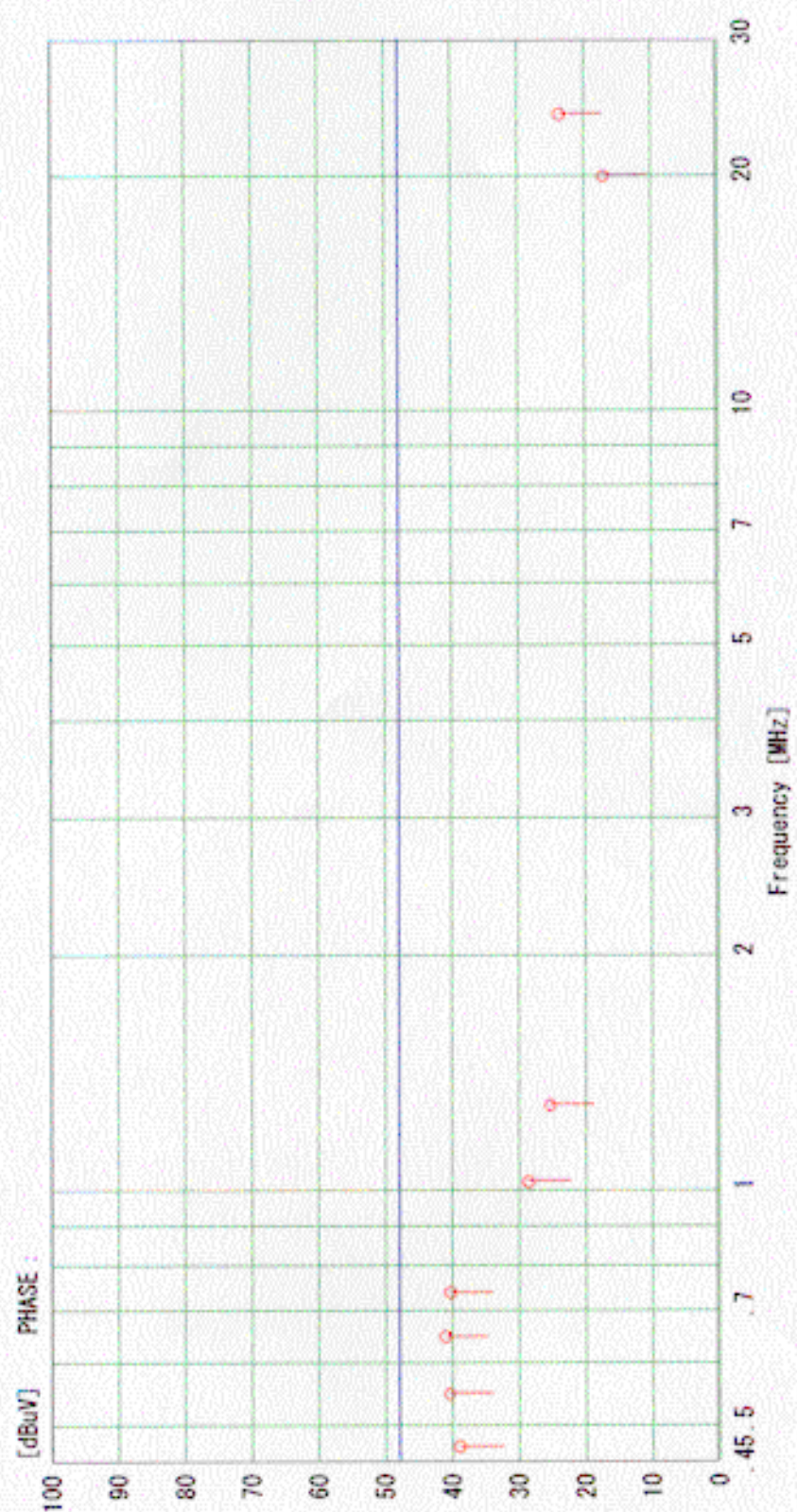
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Note :

- 1) Correction Factor include LISN Factor and cable loss for 7 meters.
Meter Readings include Correction Factor.
- 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.

Tested by : Junichiro Ooi
Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B CONDUCTED
 EUT : Fine Pix 1400Zoom 120V/60Hz
 MODE : CAMERA Mode
 Frequency : 0.45 ~ 30 MHz



MEASUREMENT RESULTS OF CONDUCTED RADIO NOISE

Date : January 28, 2000
Temp. : 18 °C ; Humi. : 32 %

Test Receiver : Rohde & Schwarz ESH-3
Operation Mode : Detector function : CISPR Quasi-Peak
6dB Band width : 10kHz External Attenuator : none

Description of Equipment : DIGITAL CAMERA
Model No. : Fine Pix 1400Zoom ; Type : Desk Top

Test Condition of Equipment Under Test (EUT)

- 1) Configuration of EUT : Refer to sheet No.13, 14 and 15.
2) EUT Grounding : None.
3) Operating Condition : PC Mode .

Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V)		Limit (dB μ V)	Emission Level (dB μ V)		Margin (dB)
		VA	VB		VA	VB	
0.7100	—	41.7	41.1	47.9	41.7	41.1	6.2
0.8000	—	39.1	35.3	47.9	39.1	35.3	8.8
0.6000	—	41.0	42.3	47.9	41.0	42.3	5.6
0.5100	—	39.8	41.6	47.9	39.8	41.6	6.3
1.0000	—	30.5	24.3	47.9	30.5	24.3	17.4
0.9000	—	32.8	30.4	47.9	32.8	30.4	15.1
2.1100	—	20.8	21.2	47.9	20.8	21.2	26.7
9.0800	—	22.9	21.1	47.9	22.9	21.1	25.0
24.0700	—	23.6	24.3	47.9	23.6	24.3	23.6
28.0800	—	20.3	20.8	47.9	20.3	20.8	27.1

- Note : 1) Correction Factor include LISN Factor and cable loss for 7 meters.
Meter Readings include Correction Factor.
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.

Tested by : *Junichiro Ooi*
Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B CONDUCTED
EUT : Fine Pix 1400Zoom 120V/60Hz
MODE : PC Mode
Frequency : 0.45 ~ 30 MHz

