

TDK EMC CENTER CHIKUMAGAWA OPEN SITE

543 OTAI SAKU-CITY NAGANO JAPAN

REPORT OF MEASUREMENTS ON DIGITAL DEVICE

Date : July 03 ,2001

Issued in : Saku-city , JAPAN

TDK APPLICATION No.: TDC-01-0702

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 - A201  
3-4. Trade Name : FUJIFILM  
3-5. Model No. : Fine Pix A201  
3-6. Serial No. : U002165  
3-7. Date of Manufacture : June ,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 03 ,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

TDK Application No. : TDC-01-0702

## MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : July 03 ,2001

Temp. : 22 °C ; Humi. : 67 %

|                  |                                      |                            |  |
|------------------|--------------------------------------|----------------------------|--|
| 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 A201

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<br>(MHz) | Correction<br>Factor<br>(dB) | Meter Reading<br>(dB $\mu$ V/m) |      | Limit<br>(dB $\mu$ V/m) | Emission Level<br>(dB $\mu$ V/m) |      | Margin<br>(dB) |
|--------------------|------------------------------|---------------------------------|------|-------------------------|----------------------------------|------|----------------|
|                    |                              | Hor.                            | Ver. |                         | Hor.                             | Ver. |                |
| 67.800             | 7.8                          | 19.1                            | 30.4 | 40.0                    | 19.1                             | 30.4 | 9.6            |
| 75.700             | 7.4                          | ---                             | 29.7 | 40.0                    | ---                              | 29.7 | 10.3           |
| 93.350             | 10.4                         | ---                             | 24.2 | 43.5                    | ---                              | 24.2 | 19.3           |
| 100.020            | 11.8                         | ---                             | 27.6 | 43.5                    | ---                              | 27.6 | 15.9           |
| 110.450            | 13.4                         | 23.8                            | ---  | 43.5                    | 23.8                             | ---  | 19.7           |
| 129.800            | 15.8                         | 25.1                            | ---  | 43.5                    | 25.1                             | ---  | 18.4           |
| 180.000            | 18.1                         | 27.7                            | 28.2 | 43.5                    | 27.7                             | 28.2 | 15.3           |
| 220.030            | 20.0                         | 29.3                            | ---  | 46.0                    | 29.3                             | ---  | 16.7           |
| 240.000            | 20.4                         | ---                             | 28.5 | 46.0                    | ---                              | 28.5 | 17.5           |
| 257.730            | 20.5                         | 32.9                            | ---  | 46.0                    | 32.9                             | ---  | 13.1           |
| 311.420            | 19.4                         | 36.0                            | ---  | 46.0                    | 36.0                             | ---  | 10.0           |
| 320.050            | 19.6                         | 34.8                            | 26.3 | 46.0                    | 34.8                             | 26.3 | 11.2           |
| 404.990            | 21.1                         | 41.2                            | 36.1 | 46.0                    | 41.2                             | 36.1 | 4.8            |
| 431.000            | 21.6                         | 28.4                            | ---  | 46.0                    | 28.4                             | ---  | 17.6           |
| 499.780            | 22.8                         | ---                             | 35.3 | 46.0                    | ---                              | 35.3 | 10.7           |
| 529.770            | 23.5                         | 36.5                            | 30.2 | 46.0                    | 36.5                             | 30.2 | 9.5            |
| 560.080            | 24.2                         | 30.6                            | ---  | 46.0                    | 30.6                             | ---  | 15.4           |
| 587.040            | 24.9                         | 31.7                            | ---  | 46.0                    | 31.7                             | ---  | 14.3           |
| 899.040            | 31.0                         | 39.3                            | 43.0 | 46.0                    | 39.3                             | 43.0 | 3.0            |
|                    |                              |                                 |      |                         |                                  |      |                |

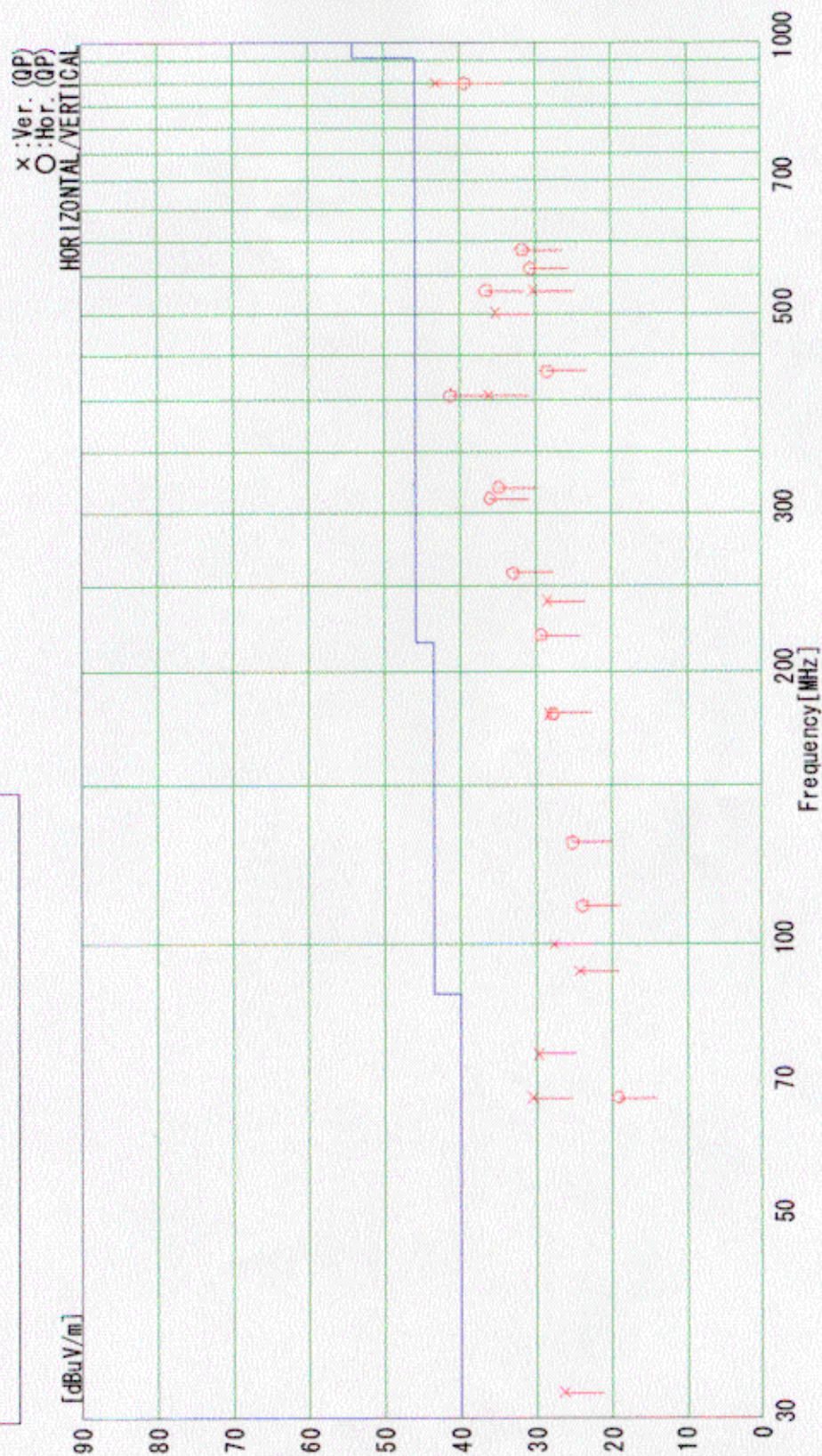
Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).

2) Margin = Limit — Emission Level.

Tested by : *Fumihiko Gori*  
Engineer of TDK Chikumagawa Open Site



FCC 15B CLASS B RADIATED 3m  
EUT : Fine Pix A201 120V/60Hz  
MODE : CAMERA Mode  
Frequency : 30 ~ 1000 MHz



TDK Application No. : TDC-01-0702

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 Operation Mode : Detector function : CISPR Quasi-Peak  
 6dB Band width : 120kHz External Attenuator : none

Description of Equipment DIGITAL CAMERA

Model No. : Fine Pix A201

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<br>(MHz) | Correction<br>Factor<br>(dB) | Meter Reading<br>(dB $\mu$ V/m) |      | Limit<br>(dB $\mu$ V/m) | Emission Level<br>(dB $\mu$ V/m) |      | Margin<br>(dB) |
|--------------------|------------------------------|---------------------------------|------|-------------------------|----------------------------------|------|----------------|
|                    |                              | Hor.                            | Ver. |                         | Hor.                             | Ver. |                |
| 67.800             | 7.8                          | 30.5                            | 26.9 | 40.0                    | 30.5                             | 26.9 | 9.5            |
| 75.700             | 7.4                          | ---                             | 27.3 | 40.0                    | ---                              | 27.3 | 12.7           |
| 93.350             | 10.4                         | ---                             | 24.2 | 43.5                    | ---                              | 24.2 | 19.3           |
| 100.020            | 11.8                         | ---                             | 26.2 | 43.5                    | ---                              | 26.2 | 17.3           |
| 127.800            | 15.6                         | 23.1                            | ---  | 43.5                    | 23.1                             | ---  | 20.4           |
| 134.400            | 16.0                         | 23.8                            | 21.2 | 43.5                    | 23.8                             | 21.2 | 19.7           |
| 180.000            | 18.1                         | 25.2                            | 24.7 | 43.5                    | 25.2                             | 24.7 | 18.3           |
| 220.030            | 20.0                         | 25.3                            | ---  | 46.0                    | 25.3                             | ---  | 20.7           |
| 311.420            | 19.4                         | 38.6                            | ---  | 46.0                    | 38.6                             | ---  | 7.4            |
| 320.050            | 19.6                         | 36.0                            | 25.8 | 46.0                    | 36.0                             | 25.8 | 10.0           |
| 400.060            | 21.0                         | 30.0                            | 28.4 | 46.0                    | 30.0                             | 28.4 | 16.0           |
| 499.780            | 22.8                         | 37.6                            | 35.4 | 46.0                    | 37.6                             | 35.4 | 8.4            |
| 529.770            | 23.5                         | 36.0                            | 30.2 | 46.0                    | 36.0                             | 30.2 | 10.0           |
| 600.040            | 25.2                         | 34.2                            | 35.3 | 46.0                    | 34.2                             | 35.3 | 10.7           |
| 899.040            | 31.0                         | 39.3                            | 43.0 | 46.0                    | 39.3                             | 43.0 | 3.0            |
|                    |                              |                                 |      |                         |                                  |      |                |
|                    |                              |                                 |      |                         |                                  |      |                |
|                    |                              |                                 |      |                         |                                  |      |                |
|                    |                              |                                 |      |                         |                                  |      |                |
|                    |                              |                                 |      |                         |                                  |      |                |

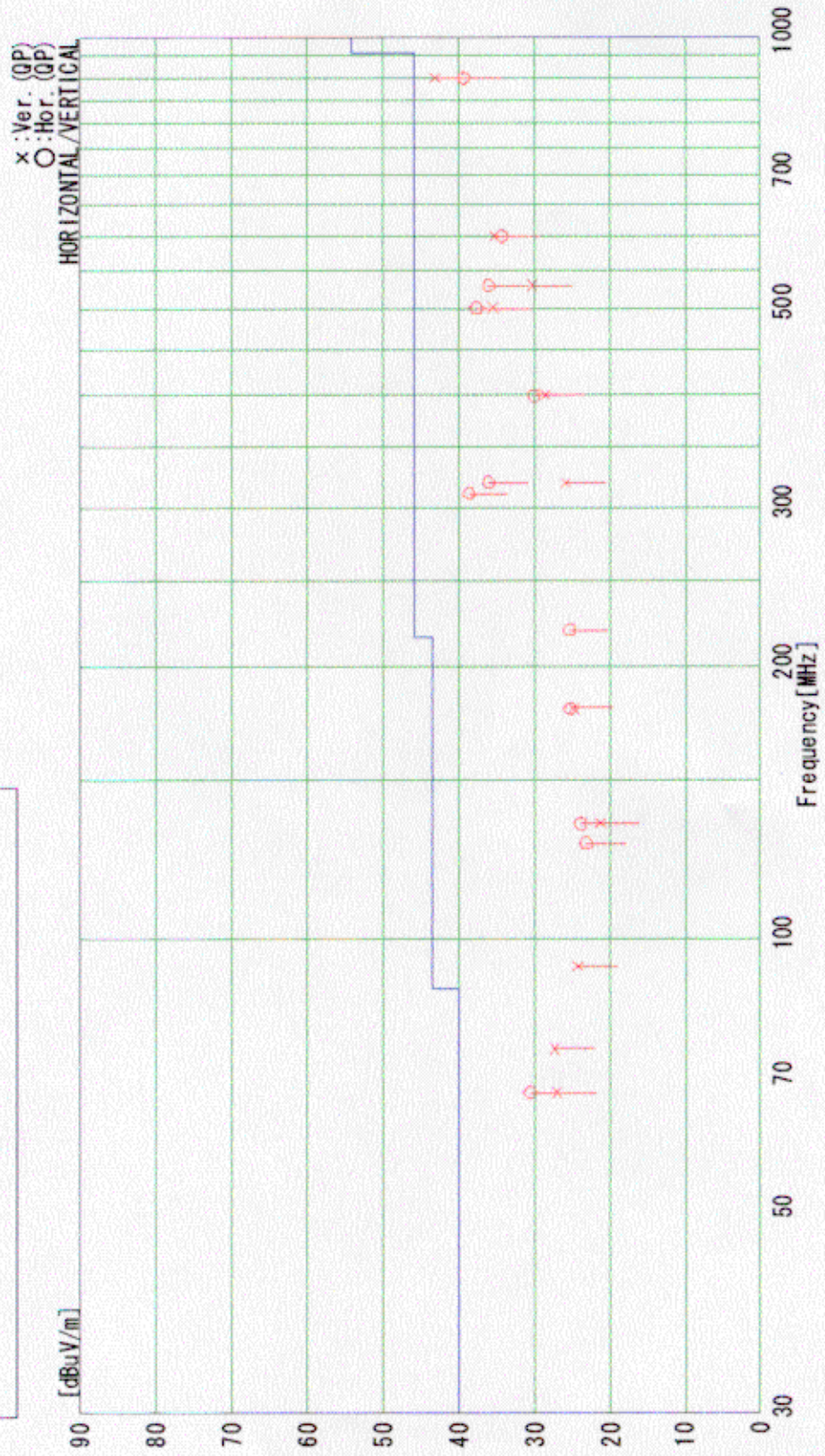
Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).

2)Margin = Limit — Emission Level.

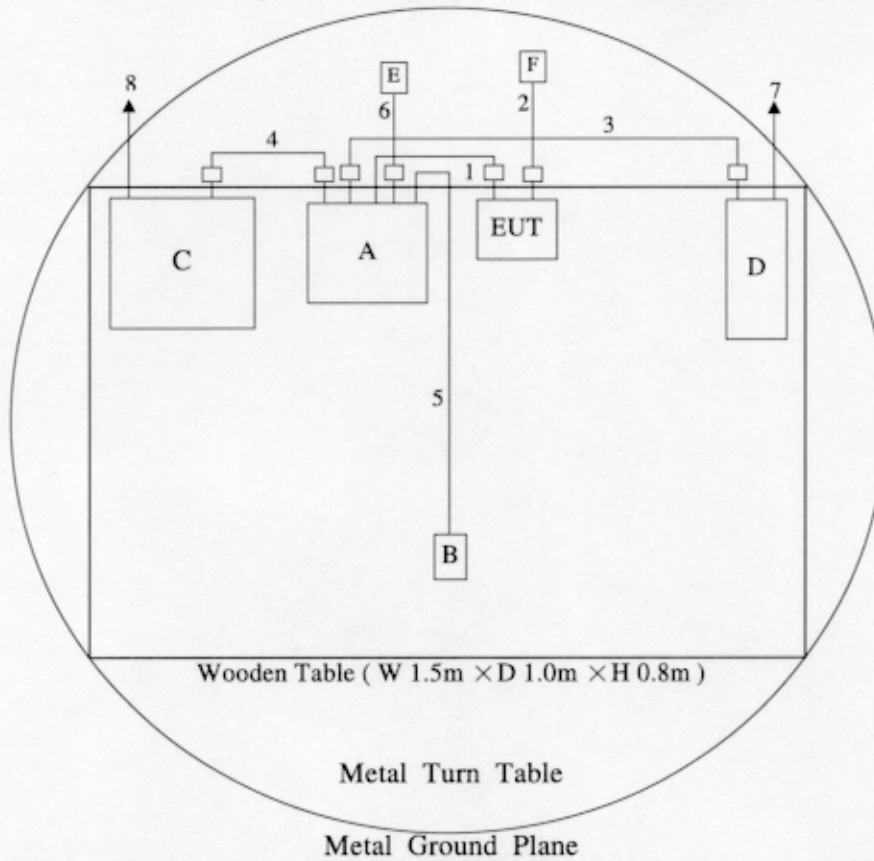
Tested by : *Juniliko Gai*  
 Engineer of TDK Chikumagawa Open Site



FCC 15B CLASS B RADIATED 3m  
EUT : Fine Pix A201 120V/60Hz  
MODE : USB PC CAMERA 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 A201 | F5GFP-A201 | U002165     | 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-01-0702

## 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       |              |              |
|     |                        |           |              |              |              |



## RADIATION MEASUREMENT

EUT : DIGITAL CAMERA

MODEL No. Fine Pix A201

### CONFIGURATION FRONT VIEW



### CONFIGURATION REAR VIEW





## EUT's Test Arrangement of Radiation

Fig 1

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

