

TDK EMC CENTER CHIKUMAGAWA OPEN SITE

543 OTAI SAKU-CITY NAGANO JAPAN

REPORT OF MEASUREMENTS ON DIGITAL DEVICE

Date : April 22 ,2002

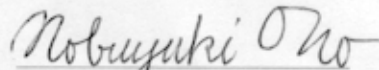
Issued in : Saku-city , JAPAN

TDK APPLICATION No.: TDC-02-0406

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-S2PRO
3-4. Trade Name : FUJIFILM
3-5. Model No. : Fine Pix S2 Pro
3-6. Serial No. : R00196S
3-7. Date of Manufacture : March ,2002
3-8. Power Supply : 120 V AC , 60Hz
4. Regulation Applied : FCC Part 15 Subpart B CLASS B 3m
5. Measurement Procedure Used : FCC Part 15 Subpart B CLASS B 3m
6. Place of Measurement : TDK EMC CENTER CHIKUMAGAWA OPEN SITE
7. Date of Measurement : April 16 ,2002
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

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MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 16, 2002

Temp. : 21 °C ; Humi. : 28 %

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 S2 Pro

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT : Refer to sheet No.7, 8 and 9.

2) EUT Grounding : None.

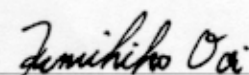
3) Operating Condition : CAMERA Mode .

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.	
68.200	8.0	23.0	25.6	40.0	23.0	25.6	14.4
107.150	13.2	28.8	25.8	43.5	28.8	25.8	14.7
111.190	13.8	25.6	25.8	43.5	25.6	25.8	17.7
133.430	16.2	24.9	25.0	43.5	24.9	25.0	18.5
186.010	18.8	29.2	---	43.5	29.2	---	14.3
196.360	19.2	---	27.7	43.5	---	27.7	15.8
270.000	21.4	33.5	34.2	46.0	33.5	34.2	11.8
294.540	22.6	38.0	34.1	46.0	38.0	34.1	8.0
319.090	20.0	37.6	32.3	46.0	37.6	32.3	8.4
343.630	20.5	33.6	29.2	46.0	33.6	29.2	12.4
374.860	21.0	---	30.7	46.0	---	30.7	15.3
395.690	21.3	32.0	34.2	46.0	32.0	34.2	11.8
687.270	27.4	---	34.7	46.0	---	34.7	11.3

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

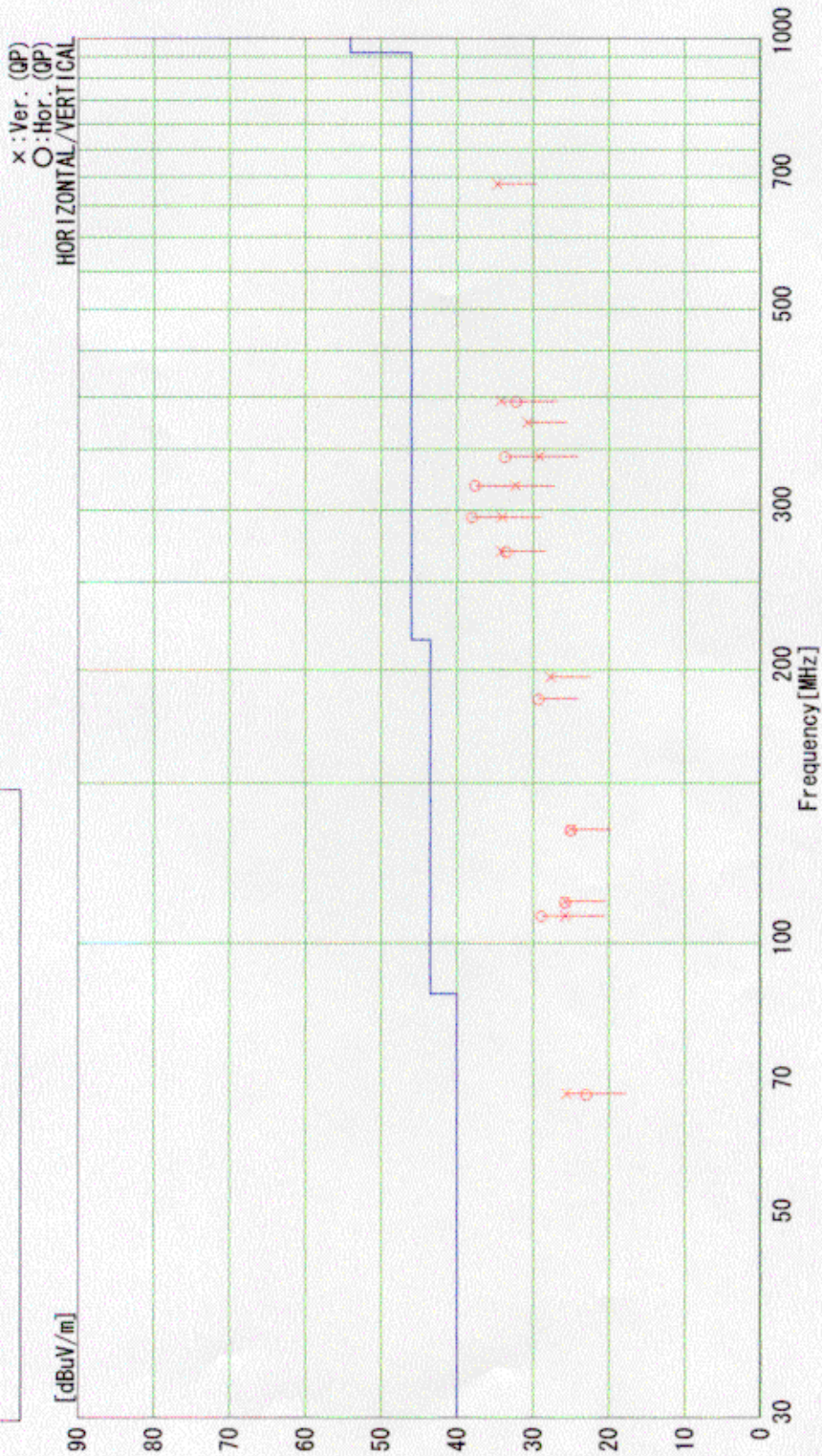
2) Margin = Limit — Emission Level.

Tested by :


 Kunihiro Ooi

Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
EUT : Fine Pix S2 Pro 120V/60Hz
MODE : CAMERA Mode
Frequency : 30 ~ 1000 MHz



Date : April 16, 2002
Temp. : 21 °C ; Humi. : 28 %

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

Model No. : Fine Pix S2 Pro

1) Configuration of EUT : Refer to sheet No.7, 8 and 9.

2) EUT Grounding :	None.
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3) Operating Condition : IEEE1394 Mode .

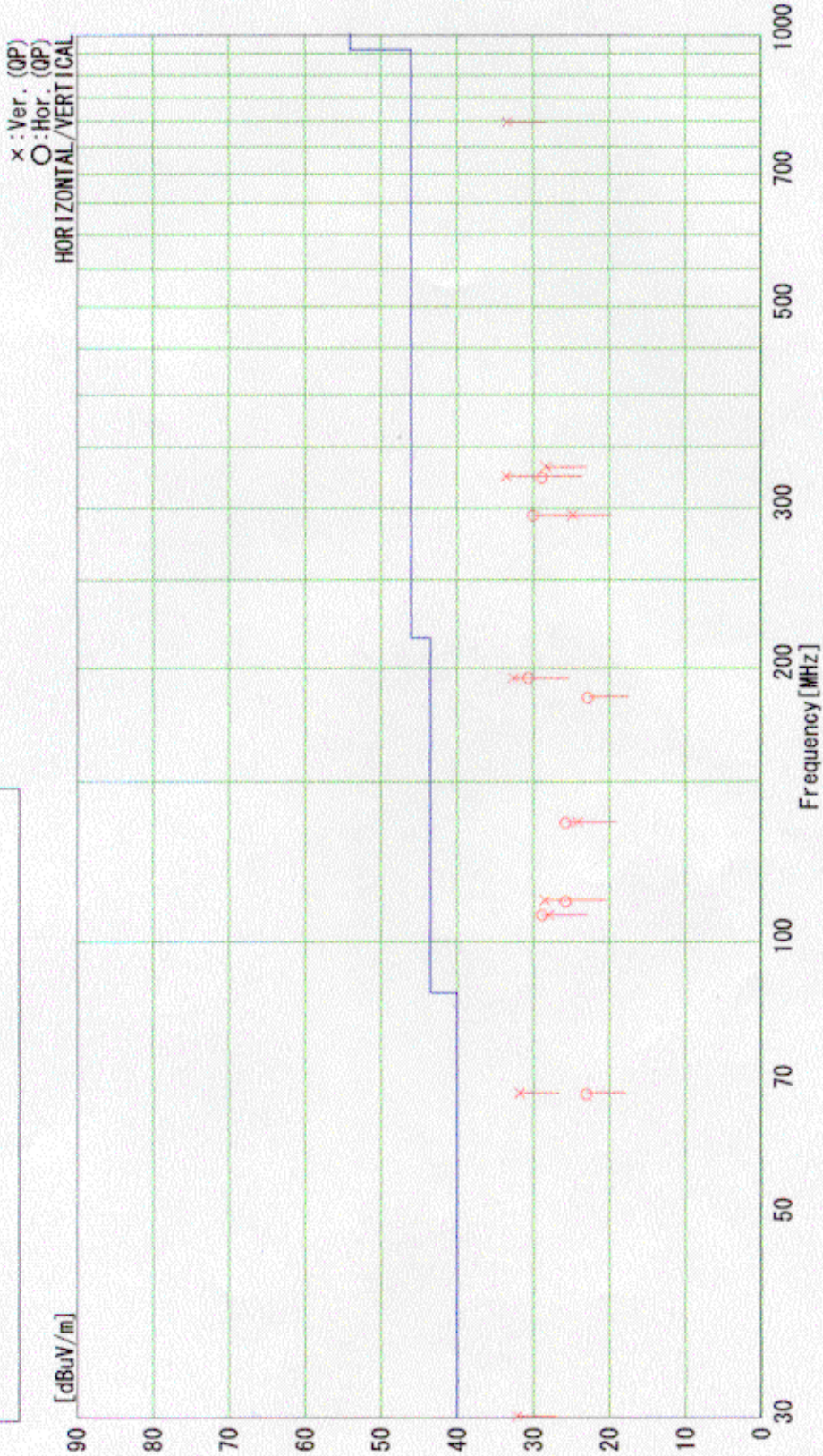
[illegible]

Note : 1) Meter Readings include Correction Factor (Antenna factor , Cable loss).
2) Margin = Limit – Emission Level.

Tested by : Kunihiko Ooi
Kunihiko Ooi

Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
EUT : Fine Pix S2 Pro 120V/60Hz
MODE : IEEE1394 Mode
Frequency : 30 ~ 1000 MHz



MEASUREMENT RESULTS OF RADIATED RADIO NOISE at 3m

Date : April 16 ,2002

Temp. : 21 °C ; Humi. : 28 %

Test Receiver : Rohde & Schwarz ESCS 30

Operation Mode : Detector function : CISPR Ouasi-Peak

6dB Band width : 120kHz

External Attenuator : none

Description of Equipment DIGITAL CAMERA

Model No. : Fine Pix S2 Pro

Test Condition of Equipment Under Test (EUT)

1) Configuration of EUT : Refer to sheet No.7, 8 and 9.

2) EUT Grounding : None.

3) Operating Condition : USB Mode[illegible]

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

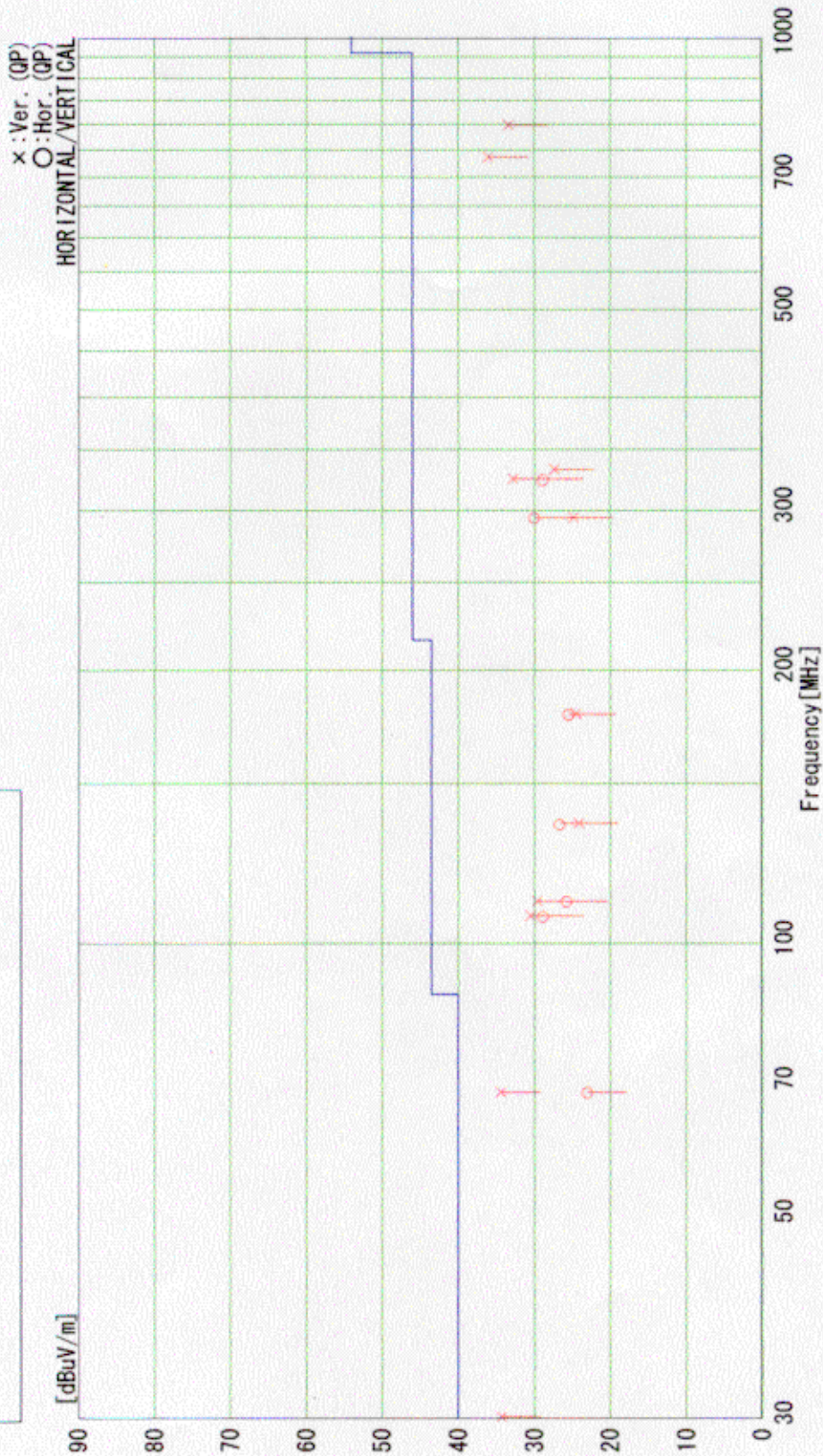
2) Margin = Limit - Emission Level.

Tested by :

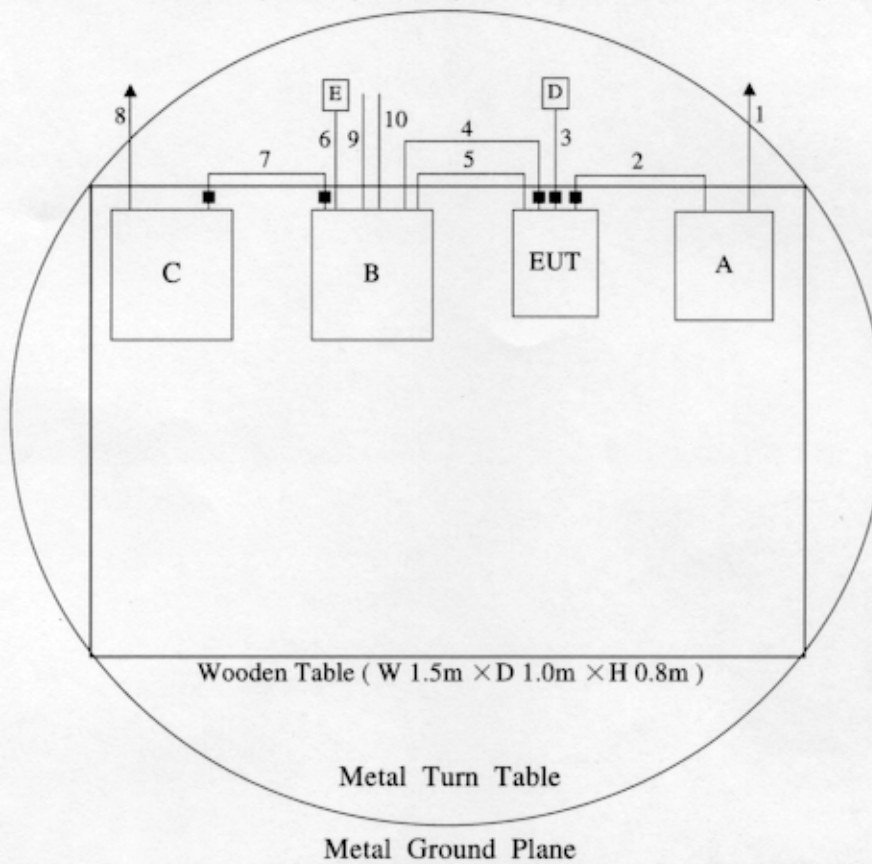
Kunihiko Ooi

Engineer of TDK Chikumagawa Open Site

FCC 15B CLASS B RADIATED 3m
 EUT : Fine Pix S2 Pro 120V/60Hz
 MODE : USB 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 S2 Pro	F5GFP-S2PRO	R00196S	FUJI PHOTO FILM CO. , LTD.
A	VIDEO MONITOR	PVM-8040	DOC	2029411	SONY
B	PERSONAL COMPUTER	M8597J/C	DOC	UV2033MPMDU	APPLE COMPUTER CO. ,LTD.
C	PC MONITOR	M2978	DOC	CY52401HF3CV	LG ELECTRONICS
D	AC ADAPTER (EUT)	AC-5VH	-----	1036	FUJI PHOTO FILM CO. , LTD.
E	AC ADAPTER (PC)	M8482	DOC	-----	APPLE COMPUTER CO. ,LTD.

TDK Application No : TDC-02-0406

Connection Cables

No.	I/F & Power Cable	Model No.	Cable Length	Feraite Core	Manufacturer
1	AC CABLE(VIDEO MONITOR)	-----	1.50 m		
2	AV CABLE	-----	1.40 m	YES	SHIELD YES
3	AC ADAPTER CABLE(EUT)	-----	1.90 m	YES	SHIELD YES
4	USB CABLE	-----	1.50 m	YES	SHIELD YES
5	IEEE1394 CABLE	-----	2.00 m		SHIELD YES
6	AC ADAPTER CABLE(PC)	-----	1.80 m		SHIELD YES
7	PC MONITOR CABLE	-----	1.65 m	YES	SHIELD YES
8	AC CABLE(PC MONITOR)	-----	1.70 m		SHIELD YES
9	MODEM CABLE	-----	1.80 m		
10	LAN CABLE	-----	2.00 m		

RADIATION MEASUREMENT

EUT : DIGITAL CAMERA

MODEL No. Fine Pix S2 Pro

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)

