

MEASUREMENT RESULTS OF RADIATED RADIO NOISE AT 3m

Date: April 24, 1998Temp. : 15°C Humi. : 85%

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

Description of Device

EUT : CD-ROM DriveModel No.: XM-6201B

Test Condition of EUT

- 1) Configuration : Refer to sheet No. 3, 9 and 10.
 2) Ground : Grounded at the plug end of the power line cord
 3) Operating Condition:

Running with the program prepared by the applicant.1) CD-ROM Drive (EUT) : Random Data Read2) Color Computer Display: Displayed the "H" Pattern.3) Printer: Printing the "H" Pattern

Frequency (MHz)	Correction Factor (dB)	Meter Reading (dB μ V/m)		Emission Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB μ V/m)
		Hori.	Vert.			
36.900	17.3	---	34.7	34.7	40.0	5.3
42.000	15.3	---	36.6	36.6	40.0	3.4
50.110	12.5	38.0	38.1	38.1	40.0	1.9
90.000	10.1	39.7	34.5	39.7	43.5	3.8
90.870	10.3	35.1	31.8	35.1	43.5	8.4
106.530	13.2	---	33.3	33.3	43.5	10.2
120.010	15.4	33.2	36.1	36.1	43.5	7.4
134.720	16.6	---	31.0	31.0	43.5	12.5
169.220	17.7	29.8	26.3	29.8	43.5	13.7
173.570	18.1	32.2	29.4	32.2	43.5	11.3
240.010	21.1	---	33.7	33.7	46.0	12.3
360.000	21.0	42.7	37.3	42.7	46.0	3.3
400.000	21.9	41.5	39.0	41.5	46.0	4.5
420.020	22.4	41.0	34.7	41.0	46.0	5.0
600.000	26.4	37.2	39.3	39.3	46.0	6.7
640.000	27.4	34.7	39.2	39.2	46.0	6.8
694.380	28.6	29.1	34.9	34.9	46.0	11.1

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.

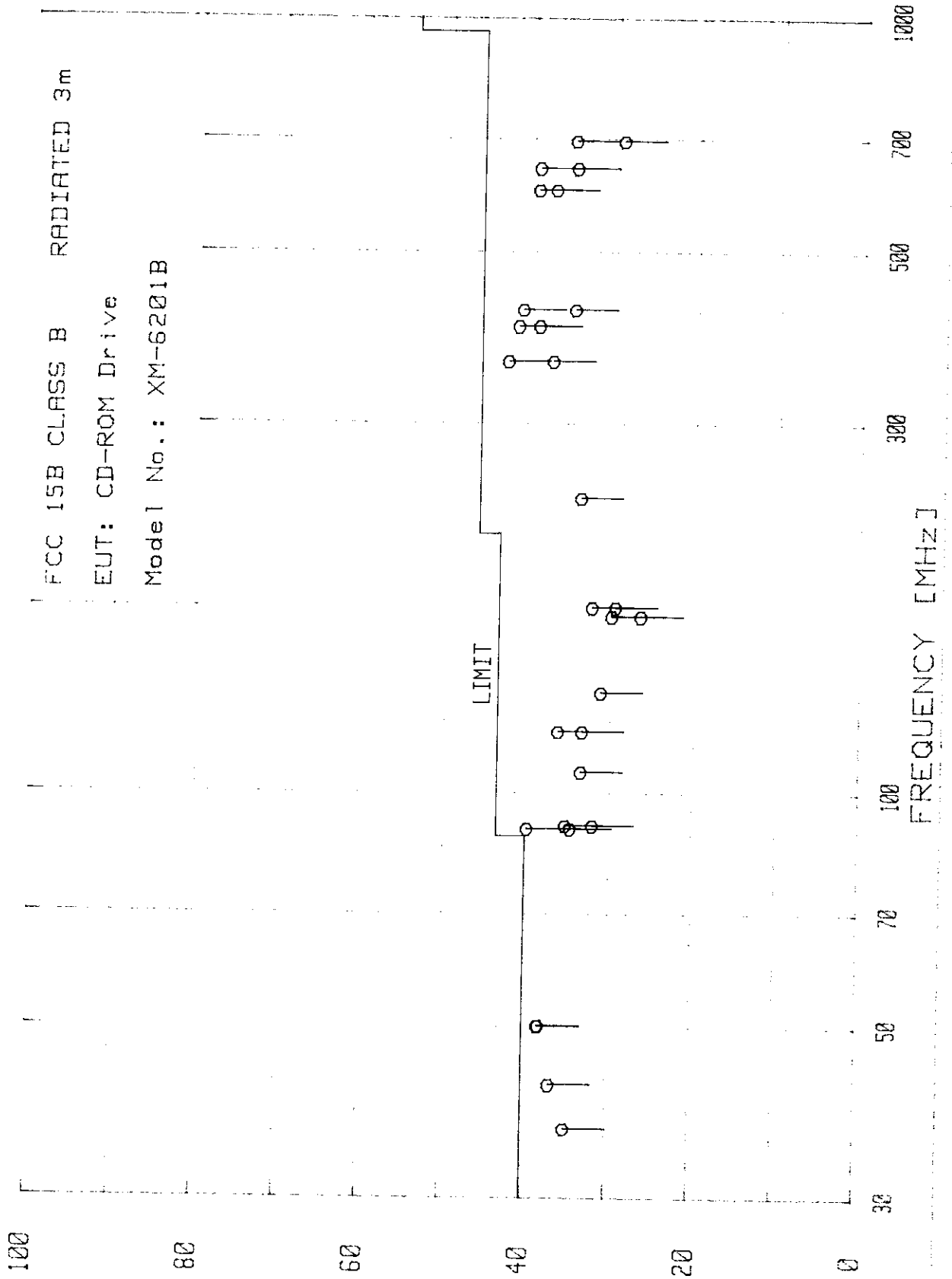


Kunihiro Ooi

Engineer of TDK EMC CENTER

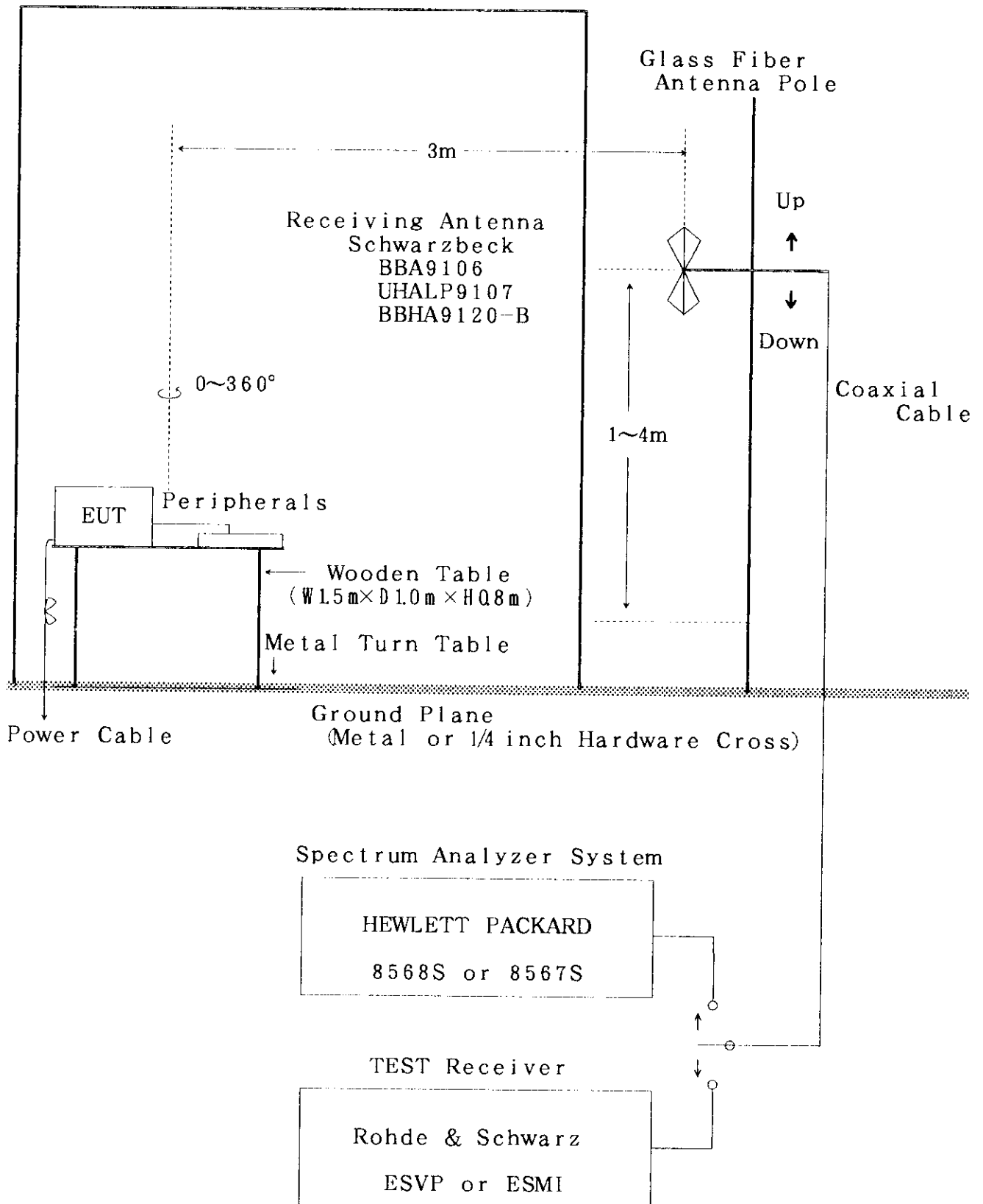
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EMISSION LEVEL [dBuV/m]

April 24, 1998



Test Arrangement of Radiation

Non-metallic (F.R.P.) Dome (W80m×D63m×H55m)



Temp. : 21°C: Humi. : 78%

3) Operating Condition:
Running with the program prepared by the applicant.

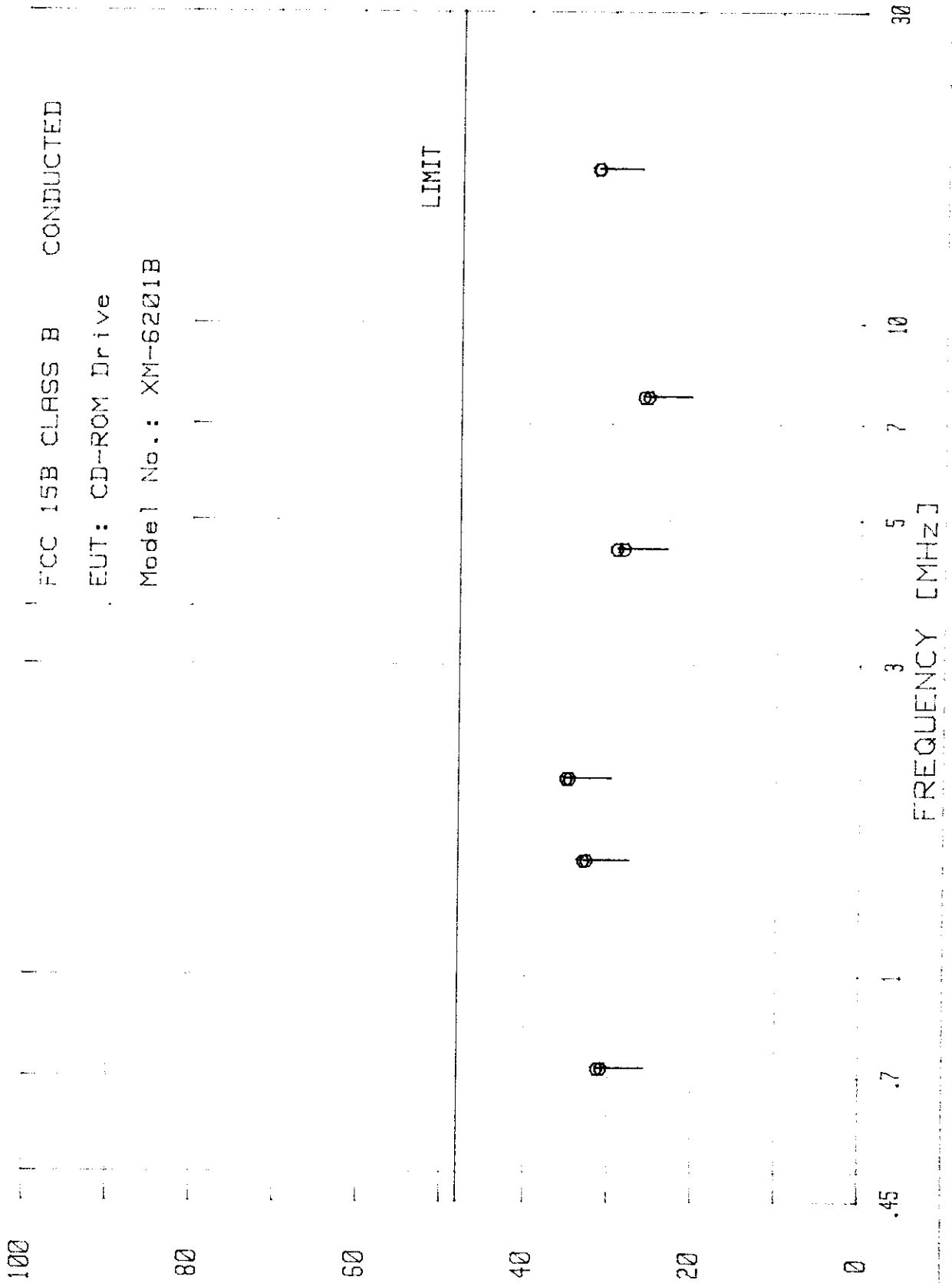
- 1) CD-ROM Drive (EUT) : Random Data Read
- 2) Color Computer Display: Displayed the "H" Pattern.
- 3) Printer: Printing the "H" Pattern.

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.

Engineer of TDK EMC CENTER

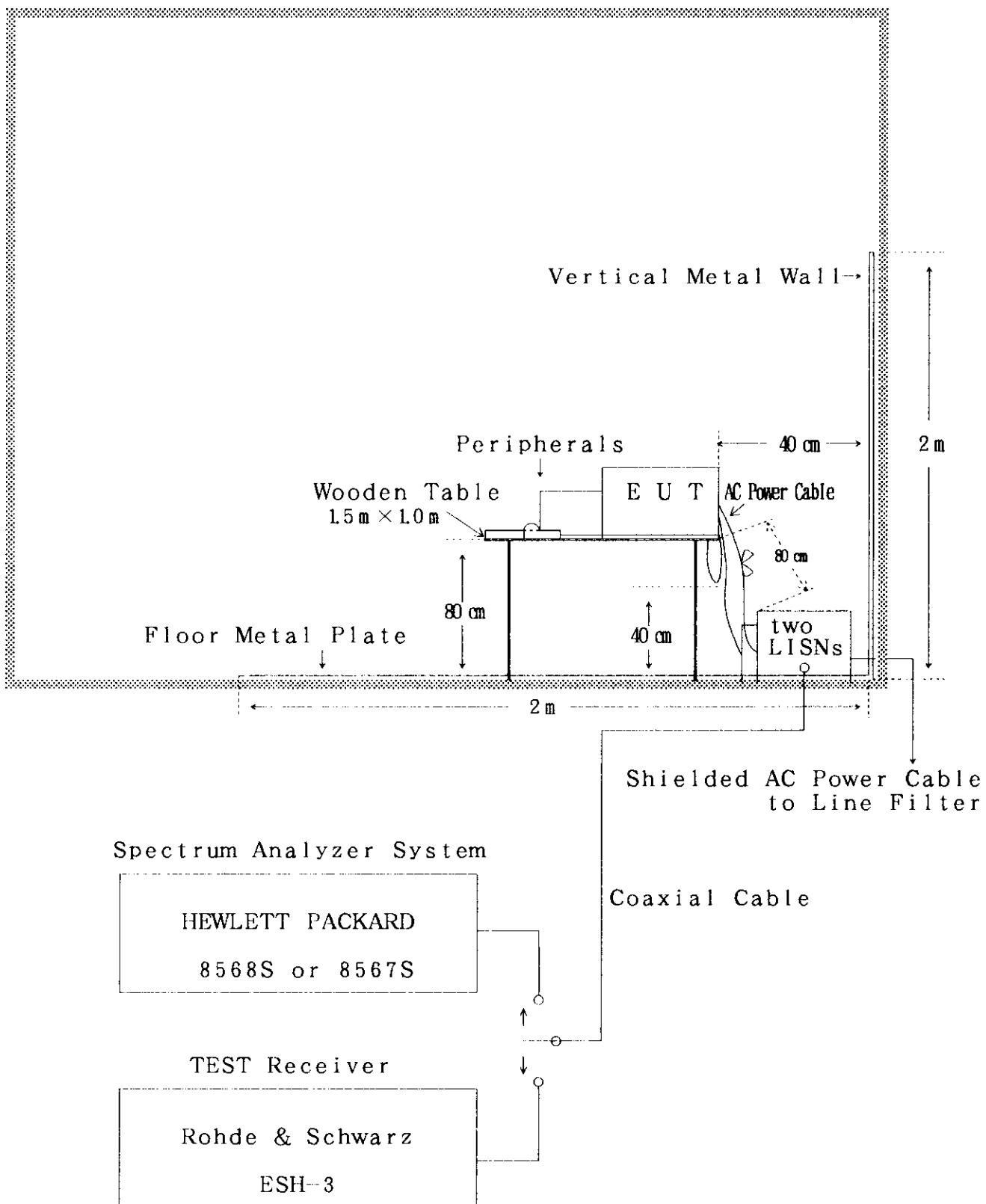
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EMISSION LEVEL [dBuV]

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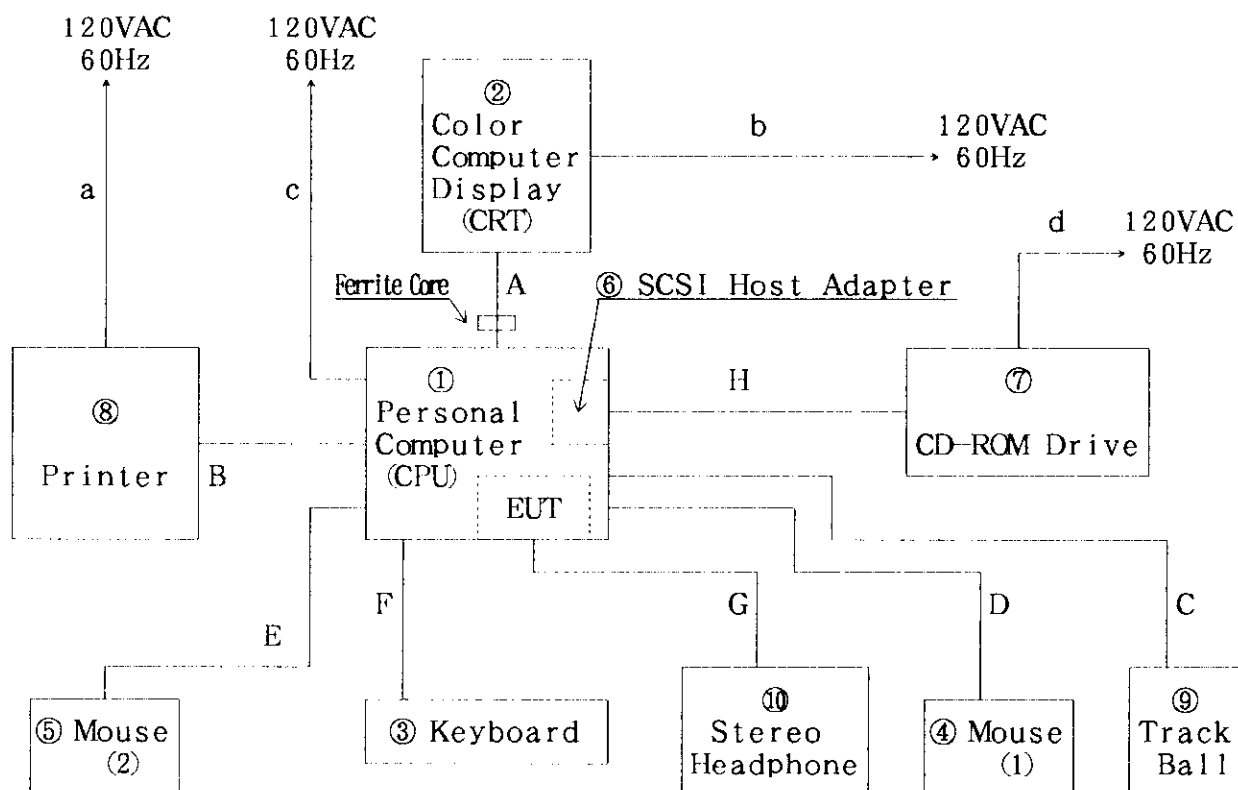


Test Arrangement of Conduction

Compact Anechoic Chamber (W30m×D7.0m×H30m)



THE CONFIGURATION OF TESTED SYSTEM



List of Tested Devices

Device	Model No.	FCC ID	Manufacturer
EUT CD-ROM Drive	XM-6201B	CJ6AT97-030	Toshiba Corporation
① Computer (CPU)	D3661A	HCJVECTRAVL5	Hewlett Packard
② Display (CRT)	D825HT	L5ACPD100SF	Dell Computer Corporation
③ Keyboard	RT6670 TJP	AQ6ZG-RT687XT	Hewlett Packard
④ Mouse (1)	M-S34	DZL210582	Hewlett Packard
⑤ Mouse (2)	M-CJ13	DZLMCJ13	Logitech
⑥ SCSI Host Adapter	DC-390U	KHADC390	Tekram
⑦ CD-ROM Drive	510	IU09TB013CRS	Compaq Computer Corporation
⑧ Printer (Parallel)	C2145A	B94C2145X	Hewlett Packard
⑨ Track Ball	T-CA1-9F	DZLLBG	Logitech
⑩ Stereo Headphone	MDR-E838	N/A	Sony Corporation

List of Tested Cables

	Cable	Length	Special Attributes
A	CRT Attachment Cable	1.50 m	Shielded Cable with Ferrite Core
B	Printer Attachment Cable	1.60 m	Shielded Cable,Metallic Connector
C	Track Ball Attachment Cable	2.70 m	Shielded Cable
D	Mouse (1) Attachment Cable	1.85 m	Shielded Cable
E	Mouse (2) Attachment Cable	2.10 m	Shielded Cable
F	Keyboard Attachment Cable	3.00 m	Shielded Cable
G	Headphone Attachment Cable	1.70 m	None
H	SCSI Attachment Cable	1.20 m	Shielded Cable,Metallic Connector
a	Printer Power Line Cable	1.80 m	Shielded Cable
b	CRT Power Line Cable	2.20 m	None
c	CPU Power Line Cable	2.00 m	None
d	CD-ROM Drive Power Line Cable	2.00 m	None

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