

TABLE OF CONTENTS

1. TEST REPORT CERTIFICATION.....	4
2. TEST STATEMENT	
2.1 TEST STATEMENT.....	5
2.2 DEPARTURE FROM DOCUMENT POLICIES, PROCEDURE OR SPECIFICATIONS.....	6
3. EUT MODIFICATIONS.....	7
4. MODIFICATION LETTER.....	8
5. CONDUCTED POWER LINE TEST	
5.1 TEST EQUIPMENT.....	9
5.2 TEST PROCEDURE.....	10-11
5.3 EUT OPERATING CONDITION.....	12
5.4 TEST PROCEDURE.....	13
5.5 TEST SETUP.....	14
5.6 RADIATED EMISSION LIMIT.....	15
5.7 CONDUCTED POWER LINE TEST RESULT.....	16-19
6. RADIATED EMISSION TEST	
6.1 TEST EQUIPMENT.....	20
6.2 CONFIGURATION OF THE EUT.....	21
6.3 EUT OPERATING CONDITION.....	21
6.4 TEST PROCEDURE.....	21
6.5 TEST SETUP.....	22-23
6.6 RADIATED EMISSION LIMIT.....	24
6.7 RADIATED EMISSION TEST RESULT.....	25-28
7. PHOTOS OF TESTING.....	29-42

1. TEST REPORT CERTIFICATION

APPLICANT : Lonton Corporation

ADDRESS : F1 6, No 113-1, Tunghsing Street
Taipei, Taiwan, R.O.C.

EUT DESCRIPTION : COLOR MONITOR

(A) POWER SUPPLY : 115/230V

(B) MODEL : MDD-1537

(C) FCCID : HG7MDD-1537

FINAL TEST DATE : 03/16/1998

MEASUREMENT PROCEDURE USED :

PART 15 SUB PART B OF FCC RULES AND

REGULATIONS (47 CFR PART 15)

FCC / ANSI C63.4 - 1992

WE HEREBY SHOW THAT:

THE MEASUREMENTS SHOWN IN THE ATTACHMENT WERE
MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED,
AND THE ENERGY EMITTED BY THE EQUIPMENT WAS
FOUND TO BE WITHIN THE LIMITS APPLICABLE.

TESTING ENGINEER : J. M. Chen DATE 3/16/98

SUPERVISOR : J. M. Chen DATE 3/16/98

APPROVED BY : D. L. Chen DATE 3/16/98

2. TEST STATEMENT

2.1 TEST STATEMENT

TO whom it may concern,

This letter is to explain the test condition of this project.
The EUT be tested as the following status.

CPU: PENTIUM ~ 233MHz

CPU Clock Signal: 66MHz

RESOLUTION: 640 X 480
800 X 600
1024 X 768
1280 X 1024

The data shown in this report reflects the worst-case data for each condition as listed above.

Please disregard any other conditions that shown in this user manual.

2. TEST STATEMENT

2.2 DEPARTURE FROM DOCUMENT POLICIES, PROCEDURE OR SPECIFICATIONS

DID HAVE
ANY DEPARTURE FROM DOCUMENT POLICIES
& PROCEDURES OR FROM SPECIFICATIONS.

YES _____, NO N/A .

IF YES, THE DESCRIPTION AS BELOW.

2.3 TEST STATEMENT

1. THE CERTIFICATE OR REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.
2. THE REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT.

3. EUT MODIFICATIONS

THE FOLLOWING ACCESSORIES WERE ADDED TO THE EUT DURING TESTING:

- 1). U003 & U004 PIN6 SERIES WOUND BEAD (3T) : 995ohm AT 100MHz.
- 2). Q011 "SOURCE" SERIES WOUND BEAD (3T) : 995ohm AT 100MHz.
- 3). CHANGE R017 FROM 22Kohm TO 15Kohm.
- 4). CHANGE LC701, LC702 AND LC703 FROM JUMP TO " " TYPE FILTER : 270pf.
- 5). P701 "R", "G", AND "B" SIGNALS SERIES FERRITE BEAD: 30ohm AT 100MHz.
- 6). R723 PARALLEL 1000pf CAP.
- 7). POWER CORD (NEAR THE GROUND PLANT) ADD CORE: 225ohm AT 100MHz.
- 8). VIDEO CABLE (NEAR THE GROUND PLANT) ADD CORE: 185ohm AT 100MHz.
- 9). BOTH "H" SIGNAL OF P701 AND P702 ADD BYPASS CAP:47pf.
- 10). BOTH "V" SIGNAL OF P701 AND P702 ADD BYPASS CAP:100pf.
- 11). BOTH THE TRACES OF "H" AND "V" SIGNAL BETWEEN P701 AND P702 SERIES FERRITE BEAD: 120ohm AT 100MHz.
- 12). ADD C745: 100pf.
- 13). ADD R776: 1Kohm.
- 14). THE TRACE BETWEEN D530 "--" AND C005 "--" SERIES WOUND BEAD (2.5T) : 612ohm AT 100MHz.
- 15). "SCL", "SDA" SIGNALS OF P701 AND P702 ADD BYPASS CAP: 47pf.
- 16). THE TRACES OF "SCL", "SDA" BETWEEN P701 AND P702 SERIES FERRITE BEAD: 30ohm AT 100MHz.
- 17). VIDEO CABLE'S WIRE MESH (NEAR THE GROUND PLANT) ADD SHORT LINE TO GROUND PLANT.
- 18). VIDEO BOARD'S METAL PLANT ADD SHORT LINE TO GROUND PLANT.
- 19). Q524 "SOURCE", "DRAIN" SERIES WOUND BEAD (3T) : 995ohm AT 100MHz.
- 20). P15 CABLE ADD CORE (2T) 20.45 X 10.2 X 10
- 21). C124 AND C125 PARALLEL 100pf.
- 22). L2 JMP -> RHH6H 6 X 10

4. MODIFICATION LETTER

THIS SECTION CONTAINS THE FOLLOWING DOCUMENTS:

A. LETTER OF MODIFICATIONS

隆勝電子股份有限公司

LONTON CORP.

6, NO. 113-1, TUNGSING STREET, TAIPEI, TAIWAN, R.O.C.

TEL: 886-2-767-2201

FAX: 886-2-767-2661

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Dear Sir/Madam:

This is to serve as proper notice that our company
agrees to make all modifications to FCC ID: **HG7MDD-1537**
as listed in
section 3.0 of the test report submitted by Spectrum
Research and Testing Laboratory, Inc.

Respectfully,



Name : JOHNSON YANG

Title : MONITOR PRODUCTS DIVISION MANAGER

Effective Dates: From Jan. 1, 1998 To Jan. 1, 1999

5. CONDUCTED POWER LINE TEST

5.1 TEST EQUIPMENT

THE FOLLOWING TEST EQUIPMENT WAS USED DURING THE CONDUCTED POWER LINE TEST :

EQUIPMENT/ FACILITIES	SPECIFICAT -IONS	MANUFACTURER	MODEL#/ SERIAL#	DATE OF CAL. & CAL. CENTER	DU E DATE
SPECTRUM ANALZER	9 KHz TO 1 GHz	HP	8590L/ 3624A01317	OCT, 1997 ETC	1Y
EMI TEST RECEIVER	9 KHz TO 30 MHz	ROHDE & SCHWARZ	ESHS30/ 893517/013	OCT, 1997 ETC	1Y
LISN	50 uH, 50 ohm	SOLAR ELECTRONICS	9252-50- R24-BNC/ 951315	AUGUST, 1997 ETC	1Y
LISN	50 uH, 50 ohm	SOLAR ELECTRONICS	9252-50- R24-BNC/ 951318	AUGUST, 1997 ETC	1Y
SIGNAL GENERATOR	9 KHz TO 1080 MHz	ROHDE & SCHWARZ	SMY01/ 841104/019	MAY, 1997 ETC	1Y
POWER CONVERTER	0 TO 300 VAC 47 - 500 Hz	AFC	AFC-1KW/ 850510	APRIL, 1997 SRT	1Y

5.2 CONFIGURATION OF THE EUT

THE EUT WAS CONFIGURED ACCORDING TO ANSI C63.4 - 1992. ALL INTERFACE PORTS WERE CONNECTED TO THE APPROPRIATE PERIPHERALS. ALL PERIPHERALS AND CABLES ARE LISTED BELOW.

-EUT

DEVICE	MANUFACTURER	MODEL #	FCCID
COLOR MONITOR	DTK COMPUTER INC.	MDD-1537	HG7MDD-1537

-REMARK

-INTERNAL DEVICES

<u>DEVICE</u>	<u>MANUFACTURER</u>	<u>MODEL #</u>	<u>FCCID</u>
MAIN BOARD	MICRO STAR	MS-6117	N/A
POWER SUPPLY	SEASONIC	SS-250GPX	N/A
HDD	FUJITSU	MPA3017AT	N/A
FDD (3.5")	PANASONIC	JU-257A606P	N/A
VGA CARD	MICRO STAR	MS4413	N/A
CASE	MACASE	KA-580W	N/A

- PERIPHERALS

DEVICE	MANUFAC-TURER	MODEL# / SERIAL#	FCCID	CABLE
PRINTER	HP	2225C	BS46XU2225C	POWER-UNS DATA-S
MODEM	SMARTTEAM	103/212A	EF56A5103/212A	POWER-UNS DATA-S
KEYBOARD	EPSON	N860-4871-T001	C9SKB4870	DATA-S
MOUSE	LOGITECH	M-S34	DZL211029	POWER-UNS
USB MOUSE	ABIT	97M32U	M5497M32U	DATA-S

-REMARK

- (1) . CABLE - UNS : UNSHIELDED CABLE
S : SHIELDED CABLE
- (2) . CABLES - ALL 1m OR GREATER IN LENGTH-
BUNDLED ACCORDING TO ANSI C63.4 - 1992.

5.3 EUT OPERATING CONDITION

OPERATING CONDITION IS ACCORDING TO ANSI C63.4 - 1992.

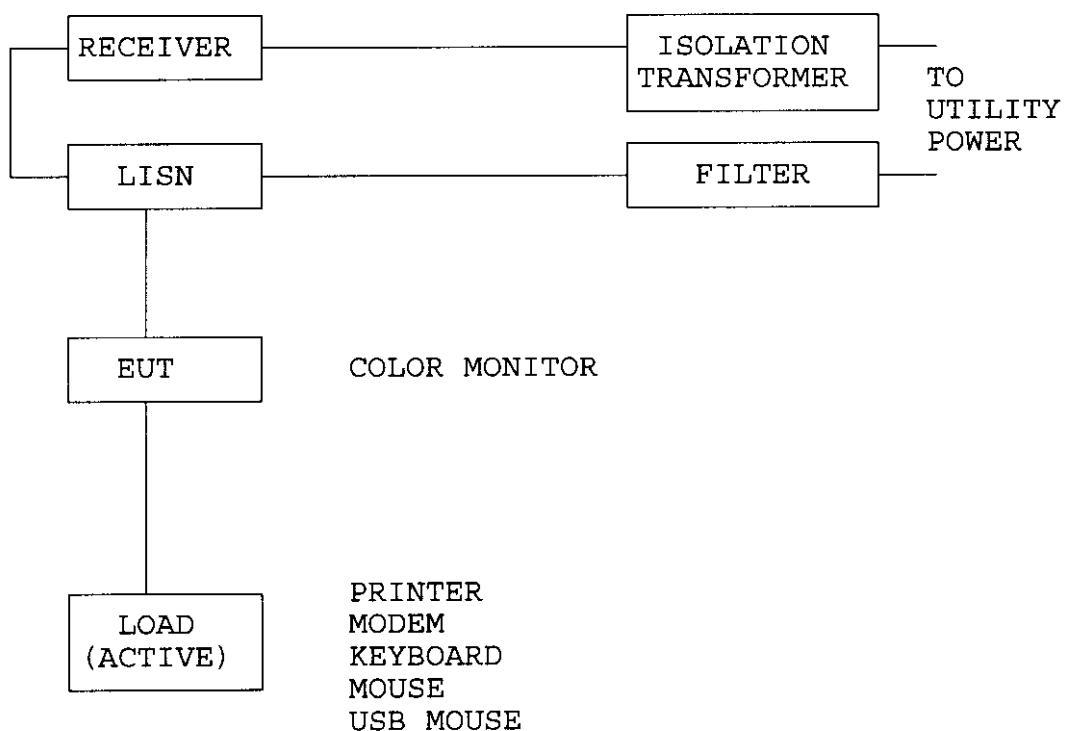
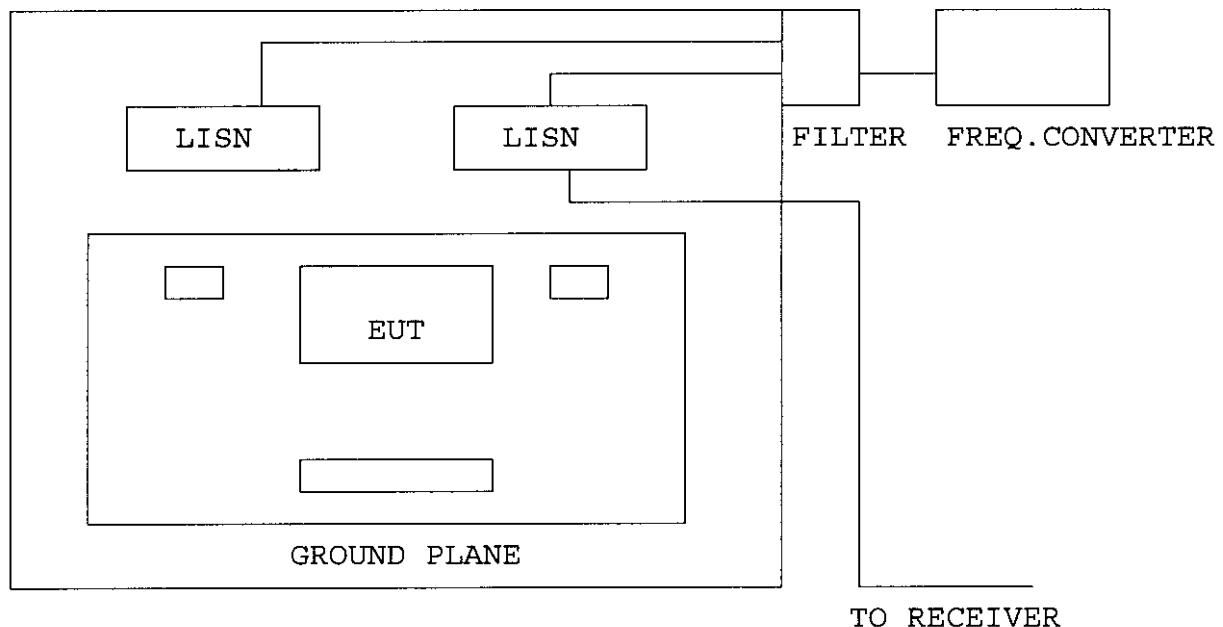
1. EUT POWER ON.
2. "H" PATTERN SENT TO THE FOLLOWING PERIPHERALS:
 - PRINTER
 - MODEM
3. RESOLUTION : 640 * 480 (NI)
800 * 600 (NI)
1024 * 768 (NI)
1280 * 1024 (NI)
4. CPU: PENTIUM - 233MHz
CLOCK CHIP: 66MHz

5.4 TEST PROCEDURE

THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE CONDUCTED TEST WAS PERFORMED IN AN ANECHOIC CHAMBER. THE FREQUENCY SPECTRUM FROM 0.45 MHz TO 30 MHz WAS INVESTIGATED. THE LISN USED WAS 50 ohm / 50 uHenry AS SPECIFIED BY SECTION 5.1 OF ANSI C63.4 - 1992. CABLES AND PERIPHERALS WERE MOVED TO FIND THE MAXIMUM EMISSION LEVELS FOR EACH FREQUENCY.

5.5 TEST SETUP

SEMI-ANECHOIC CHAMBER



5.6 CONDUCTED POWER LINE EMISSION LIMIT

FREQUENCY RANGE (MHz)	CLASS A	CLASS B
0.045 - 1.705	1000 uV	250 uV
1.705 - 30	3000 uV	250 uV

NOTE : IN THE ABOVE TABLE, THE TIGHTER LIMIT APPLIES AT THE BAND EDGES.

5.7 CONDUCTED POWER LINE TEST RESULT

THE FREQUENCY SPECTRUM FROM 0.45 MHZ TO 30 MHZ WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQUENCY (MHZ)	LINE 1 (uv)	LINE 2 (uv)	LIMIT (uv)
0.47	*	40.27	250
1.01	29.85	25.12	250
3.26	29.85	*	250
5.19	43.65	39.36	250
6.33	179.9	108.4	250
19.0	125.9	130.3	250

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

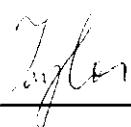
(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS
 $<+/-2\text{dB}$

(3).TEST CONFIGURATION PLEASE SEE 4.2

(4).TEST EQUIPMENT PLEASE SEE 4.1

(5).ANY DEPARTURE FROM SPECIFICATION : N/A

(6).RESOLUTION: 640 X 480

SIGNED BY TESTING ENGINEER : 

5.7 CONDUCTED POWER LINE TEST RESULT

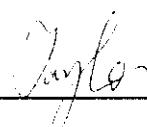
THE FREQUENCY SPECTRUM FROM 0.45 MHZ TO 30 MHZ WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQUENCY (MHz)	LINE 1 (uv)	LINE 2 (uv)	LIMIT (uv)
0.45	*	34.28	250
1.25	36.73	*	250
7.99	164.1	151.4	250
12.0	63.10	61.66	250
20.0	138.0	*	250
28.0	*	124.5	250

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY
(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS
<+/-2dB
(3).TEST CONFIGURATION PLEASE SEE 4.2
(4).TEST EQUIPMENT PLEASE SEE 4.1
(5).ANY DEPARTURE FROM SPECIFICATION : N/A
(6).RESOLUTION: 800 X 600

SIGNED BY TESTING ENGINEER : 

5.7 CONDUCTED POWER LINE TEST RESULT

THE FREQUENCY SPECTRUM FROM 0.45 MHZ TO 30 MHZ WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQUENCY (MHZ)	LINE 1 (uv)	LINE 2 (uv)	LIMIT (uv)
0.48	50.12	52.48	250
0.92	45.71	*	250
3.54	44.67	36.73	250
5.38	*	69.18	250
24.0	130.3	121.6	250

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS
 $<+/-2\text{dB}$

(3).TEST CONFIGURATION PLEASE SEE 4.2

(4).TEST EQUIPMENT PLEASE SEE 4.1

(5).ANY DEPARTURE FROM SPECIFICATION : N/A

(6).RESOLUTION: 1024 X 768

SIGNED BY TESTING ENGINEER : John

5.7 CONDUCTED POWER LINE TEST RESULT

THE FREQUENCY SPECTRUM FROM 0.45 MHZ TO 30 MHZ WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQUENCY (MHz)	LINE 1 (uv)	LINE 2 (uv)	LIMIT (uv)
0.45	84.14	*	250
1.28	*	61.66	250
5.91	*	105.9	250
9.12	60.26	*	250
26.0	116.1	128.8	250

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS
<+/-2dB

(3).TEST CONFIGURATION PLEASE SEE 4.2

(4).TEST EQUIPMENT PLEASE SEE 4.1

(5).ANY DEPARTURE FROM SPECIFICATION : N/A

(6).RESOLUTION: 1280 X 1024

SIGNED BY TESTING ENGINEER : John

6. RADIATED EMISSION TEST

6.1 TEST EQUIPMENT

THE FOLLOWING TEST EQUIPMENT WAS USED DURING THE
RADIATED EMISSION TEST :

EQUIPMENT / FACILITIES	SPECIFICAT -IONS	MANUFACTUR -ER	MODEL#/ SERIAL#	DATE OF CAL. & CAL. CENTER	DU E DA TE
RECEIVER	20 MHz TO 1000 MHz	R & S	ESVS 30/ 841977/003	MARCH, 1997 ITRI	1Y
SPECTRUM ANALYZER	100 Hz TO 1500 MHz	HP	8568B/ 3019A05294	OCT, 1997 ETC	1Y
SPECTRUM ANALYZER	9 KHz TO 22 GHz	HP	8593E/ 3322A00670	OCT, 1997 ETC	1Y
SPECTRUM ANALYZER	100 Hz TO 1000 MHz	IFR	A-7550/ 2684/1248	AUGUST, 1997 ETC	1Y
SPECTRUM ANALYZER	9 KHz TO 2900 MHz	HP	8594A/ 3229A00399	MAY, 1997 ETC	1Y
SIGNAL GENERATOR	9 KHz TO 1080 MHz	ROHDE & SCHWARZ	SMY01/ 841104/019	MAY, 1997 ETC	1Y
DIPOLE ANTENNA	28 MHz TO 1000 MHz	EMCO	3121C/ 9003-535	MARCH, 1997 SRT	1Y
DIPOLE ANTENNA	28 MHz TO 1000 MHz	EMCO	3121C/ 9611-1239	DEC, 1997 SRT	1Y
BI-LOG ANTENNA	26 MHz TO 2000 MHz	EMCO	3142/ 96081-1073	DEC, 1997 SRT	1Y
BI-LOG ANTENNA	26 MHz TO 1100 MHz	EMCO	3143/ 9509-1152	JAN, 1997 SRT	1Y
PRE-AMPLIFIER	0.1 MHz TO 1300 MHz	HP	8447D/ 2944A08402	MARCH, 1997 ETC	1Y
PRE-AMPLIFIER	0.1 MHz TO 1300 MHz	HP	8447D/ 2944A06412	OCT, 1997 ETC	1Y
HORN ANTENNA	1 GHz TO 18 GHz	EMCO	3115/ 9012-3619	DEC, 1997 SRT	1Y

6.2 CONFIGURATION OF THE EUT

SAME AS SECTION 5.4 OF THIS REPORT.

6.3 EUT OPERATING CONDITION

SAME AS SECTION 5.3 OF THIS REPORT.

6.4 TEST PROCEDURE

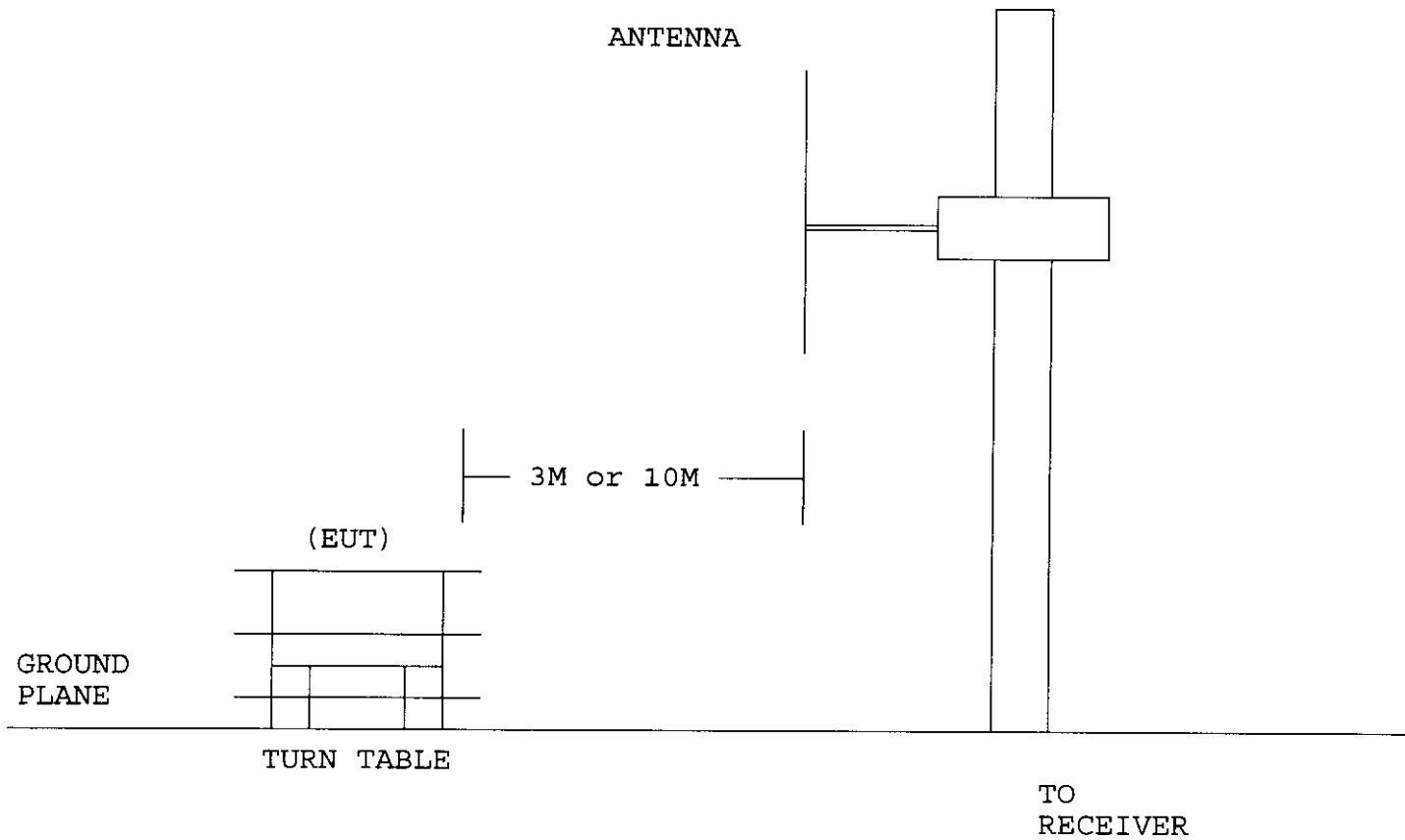
THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE RADIATED TEST WAS PERFORMED AT SRT LAB'S OPEN SITE. THIS SITE IS ON FILE WITH THE FCC LABORATORY DIVISION, REFERENCE 31040/SIT.

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. MEASUREMENTS WERE MADE AT THREE METERS WITH AN ADJUSTABLE DIPOLE ANTENNA. PERIPHERALS, CABLES, EUT ORIENTATION, AND ANTENNA HEIGHT WERE VARIED TO FIND THE MAXIMUM EMISSION FOR EACH FREQUENCY.

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. THE MEASUREMENTS UNDER 1 GHz WITH RESOLUTION BANDWIDTH OF 120 KHz ARE QUASI-PEAK READING MADE AT THREE METERS USING AN ADJUSTABLE DIPOLE ANTENNA. PERIPHERALS, CABLES, EUT ORIENTATION, AND ANTENNA HEIGHT WERE VARIED TO FIND THE MAXIMUM EMISSION FOR EACH FREQUENCY.

THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF THREE METERS WITH A HORN ANTENNA.

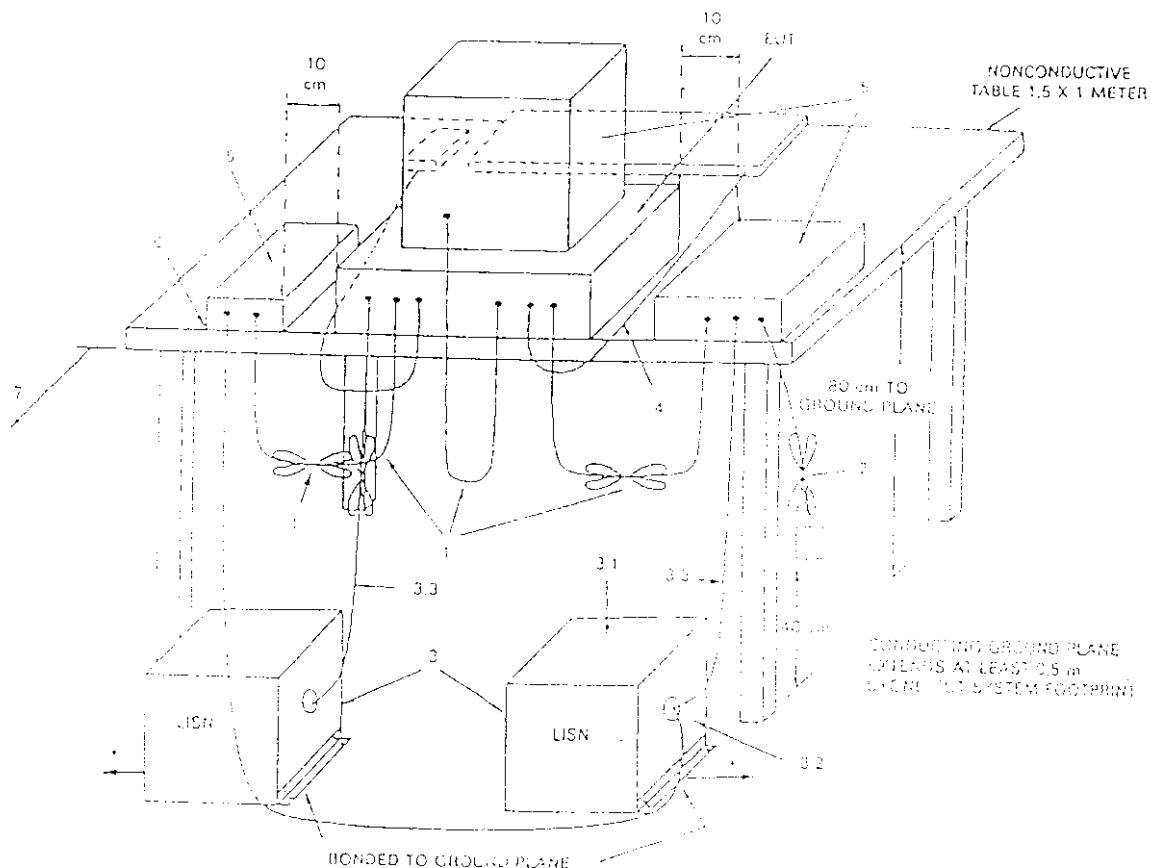
6.5 RADIATED TEST SETUP



6.5 RADIATED TEST SETUP

ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9 kHz TO 40 GHz

ANSI
C63.4-1991



7. EUTs may have to be moved to the side to meet 3.3 below.

LEGEND

1. Interconnecting cables which hang closer than 40 cm to the ground plane shall be folded back and forth, forming a bundle 30 to 40 cm long, hanging approximately in the middle between ground plane and table.
2. VO cables which are connected to a peripheral shall be bundled in center. The end of the cable may be terminated if required using correct terminating impedance. The total length shall not exceed 1 m.
3. EUT connected to one LISN. Unused LISN connectors shall be terminated in 50 ohms. LISN can be placed on top of, or immediately beneath, ground plane.
- 3.1 All other equipment powered from second LISN.
- 3.2 Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
- 3.3 LISN at least 20 cm from nearest part of EUT chassis.
4. Cables of hand-operated devices, such as keyboards, mice, etc., have to be placed as close as possible to the EUT.
5. Non-EUT components being tested.
6. Rear of EUT including peripherals shall be all aligned and flush with rear of table top.
7. Rear of table top shall be 40 cm removed from a vertical conducting plane which is bonded to the EUT ground plane (rule 5.3).

Fig 10
(a) Test Configuration: Table-Top Equipment
Conducted Emission Voltage

6.6 RADIATED EMISSION LIMIT

ALL EMISSION FROM A DIGITAL DEVICE, INCLUDING ANY NETWORK OF CONDUCTORS AND APPARATUS CONNECTED THERETO, SHALL NOT EXCEED THE LEVEL OF FIELD STRENGTH SPECIFIED BELOW :

CLASS B

FREQUENCY (MHz)	DISTANCE (m)	FIELD STRENGTH (uV/m)
30 - 88	3	100
88 - 216	3	150
216 - 960	3	200
ABOVE 960	3	500

CLASS B (OPEN CASE)

FREQUENCY (MHz)	DISTANCE (m)	FIELD STRENGTH (uV/m)
30 - 88	3	199.5
88 - 216	3	298.5
216 - 960	3	398.1

CLASS A

FREQUENCY (MHz)	DISTANCE (m)	FIELD STRENGTH (uV/m)
30 - 88	3	316.3
88 - 216	3	473.2
216 - 960	3	613.0
ABOVE 960	3	1000.0

NOTE : 1. IN THE EMISSION TABLES ABOVE, THE TIGHTER LIMIT APPLIES AT THE BAND EDGES.

2. DISTANCE REFERS TO THE DISTANCE BETWEEN MEASURING INSTRUMENT, ANTENNA, AND THE CLOSEST POINT OF ANY PART OF THE DEVICE OR SYSTEM.

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHZ TO 2 GHZ WAS INVESTIGATED. ALL READINGS UNDER 1 GHZ ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. MEASUREMENTS WERE MADE AT 3 METERS.

THE MEASUREMENTS ABOVE 1 GHZ WITH A RESOLUTION BANDWIDTH OF 1 MHZ ARE PEAK READING AT A DISTANCE OF 3 METERS.

TEMPERATURE : 28 C HUMIDITY : 78 %RH

FREQ. (MHz)	CABLE LOSS (dB)	ANT. FACTOR (dB)	READING (dBuV)		EMISSION (uV)		LMTS (uV)
			HORIZ	VERT	HORIZ	VERT	
32.4	0.7	13.2	20.37	*	51.70	*	100
270.1	2.0	13.1	23.09	20.18	81.19	58.08	200
369.5	2.2	14.9	*	17.21	*	51.94	200
471.4	2.6	17.0	19.64	18.38	91.62	79.25	200
539.3	2.9	18.6	*	14.30	*	61.66	200
706.6	3.4	20.2	17.30	16.39	110.9	99.88	200
823.0	3.6	21.2	13.34	*	80.72	*	200

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). SAMPLE CALCULATION
 $20 \log(\text{EMISSION}) \text{ uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$

(4). TEST CONFIGURATION PLEASE SEE 5.2

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS $<+/-4\text{dB}$

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

(8). RESOLUTION: 640 X 480

SIGNED BY TESTING ENGINEER : *J. H. G.*

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHZ TO 2 GHZ WAS INVESTIGATED. ALL READINGS UNDER 1 GHZ ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. MEASUREMENTS WERE MADE AT 3 METERS.

THE MEASUREMENTS ABOVE 1 GHZ WITH A RESOLUTION BANDWIDTH OF 1 MHZ ARE PEAK READING AT A DISTANCE OF 3 METERS.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQ. (MHz)	CABLE LOSS (dB)	ANT. FACTOR (dB)	READING (dBuV)		EMISSION (uV)		LMTS (uV)
			HORIZ	VERT	HORIZ	VERT	
45.6	0.8	6.6	*	27.07	*	52.91	100
182.8	1.7	9.1	22.16	*	44.46	*	150
270.1	2.0	13.1	23.37	20.36	83.85	59.29	200
476.2	2.6	17.0	20.01	17.85	95.61	74.56	200
706.6	3.4	20.2	*	15.81	*	93.43	200
823.0	3.6	21.2	14.55	*	92.79	*	200

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). SAMPLE CALCULATION

$$20 \log(\text{EMISSION}) \text{uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$$

(4). TEST CONFIGURATION PLEASE SEE 5.2

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS <+/-4dB

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

(8). RESOLUTION: 800 X 600

SIGNED BY TESTING ENGINEER : *[Signature]*

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHZ TO 2 GHZ WAS INVESTIGATED. ALL READINGS FROM 30 MHZ TO 1 GHZ ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. ALL READINGS ARE ABOVE 1 GHZ, PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 1 MHZ. MEASUREMENTS WERE MADE AT 3 METERS.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

FREQ. (MHz)	CABLE LOSS (dB)	ANT. FACTOR (dB)	READING (dBuV)		EMISSION (uV)		LMTS (uV)
			HORIZ	VERT	HORIZ	VERT	
36.15	0.8	9.8	*	27.06	*	76.38	100
170.7	1.6	8.9	23.15	*	48.14	*	150
270.1	2.0	13.1	23.47	22.17	84.82	70.03	200
471.4	2.6	17.0	20.04	17.62	95.94	72.61	200
706.6	3.4	20.2	16.56	16.35	101.9	99.43	200
823.0	3.6	21.2	15.67	12.93	105.6	77.00	200

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). SAMPLE CALCULATION

$$20 \log(\text{EMISSION}) \text{uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$$

(4). TEST CONFIGURATION PLEASE SEE 5.2

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS $<+/-4\text{dB}$

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

(8). RESOLUTION: 1024 X 768

SIGNED BY TESTING ENGINEER : *Jay*

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. ALL READINGS FROM 30 MHZ TO 1 GHZ ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. ALL READINGS ARE ABOVE 1 GHZ, PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 1 MHZ. MEASUREMENTS WERE MADE AT 3 METERS.

TEMPERATURE : 28 C HUMIDITY : 78 %RH

FREQ. (MHz)	CABLE LOSS (dB)	ANT. FACTOR (dB)	READING (dBuV)		EMISSION (uV)		LMTS (uV)
			HORIZ	VERT	HORIZ	VERT	
39.2	0.8	9.8	*	26.12	*	68.55	100
171.6	1.6	8.9	25.33	22.56	61.87	44.98	150
270.1	2.0	13.1	22.74	19.21	77.98	51.94	200
471.4	2.6	17.0	17.85	16.19	74.56	61.59	200
539.3	2.9	18.6	14.27	*	61.45	*	200
706.6	3.4	20.2	14.87	17.07	83.85	108.0	200

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). SAMPLE CALCULATION
 $20 \log(\text{EMISSION}) \text{ uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$

(4). TEST CONFIGURATION PLEASE SEE 5.2

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS $<+/-4\text{dB}$

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

(8). RESOLUTION: 1280 X 1024

SIGNED BY TESTING ENGINEER : John G. Jones