

Table of Contents

Letter to Client

ADT Certificate

- A. Declaration of Conformity
- B. Test Report
- C. Construction Photos
- D. Original Design Drawings & Specifications Including Schematics, Block Diagrams, and User or Service Manual
- E. All Modifications That May Affect Compliance with the EMI Requirements & Necessary Test Data

Certificate of Compliance

We, **ADVANCE DATA TECHNOLOGY CORP.**, hereby certify that:

The product : INDUSTRIAL PANEL COMPUTER

Trade Name : AAEON

Model No. : G3-15AX-00, G3-12AX-00, G3-10AX-00
(The "X" could be R or M depending on EUT's keyboard function)

Applicant : AAEON TECHNOLOGY INC.

Three samples (model: G3-15AM-00, G3-12AM-00, G3-10AR-00) of the designation have been tested in our facility on April 4, 2001. The data, data evaluation, represented in our report no.: **F90040203**, are true and accurate representation of the measurements of the sample's emission characteristics under the conditions in the following:

Standards : FCC Part 15, Subpart B, Class A
CISPR 22:1997, Class A
ANSI C63.4-1992



Mike Su / Manager

Issue Date: April 18, 2001



ADVANCE DATA TECHNOLOGY CORP.

Head office: HE NO. 1, SEC. 4, NAN-KING EAST RD., TAIPEI, TAIWAN, R.O.C.
TEL: (02) 2605-2180 FAX: (02) 2605-2943 <http://www.adt.com.tw> e-mail: service@mail.adt.com.tw



FCC TEST REPORT

REPORT NO.: F90040203

MODEL NO.: G3-15AX-00, G3-12AX-00,
G3-10AX-00

RECEIVED: April 2, 2001

TESTED: April 4, 2001

APPLICANT: AAEON TECHNOLOGY INC.

ADDRESS: 1F, NO. 6, ALLEY 6, LANE 45, PAO-HSIN RD.,
HSIN-TIEN CITY, TAIPEI , TAIWAN, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB LOCATION: 47 14th Lin, Chiapau Tsun, Linko, Taipei,
Taiwan, R.O.C.

This test report consists of 34 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product endorsement by NVLAP or any U.S. government agencies. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.



0528



Lab Code: 200102-0



Table of Contents

1	CERTIFICATION.....	3
2	SUMMARY OF TEST RESULTS	4
3	GENERAL INFORMATION	5
3.1	GENERAL DESCRIPTION OF EUT	5
3.2	DESCRIPTION OF TEST MODES	6
3.3	DESCRIPTION OF SUPPORT UNITS	7
4	EMISSION TEST	9
4.1	CONDUCTED EMISSION MEASUREMENT.....	9
4.1.1	LIMITS OF CONDUCTED EMISSION MEASUREMENT	9
4.1.2	TEST INSTRUMENTS	9
4.1.3	TEST PROCEDURE	10
4.1.4	DEVIATION FROM TEST STANDARD	10
4.1.5	TEST SETUP.....	10
4.1.6	EUT OPERATING CONDITIONS	11
4.1.7	TEST RESULTS (A).....	12
4.1.8	TEST RESULTS (B).....	14
4.1.9	TEST RESULTS (C)	16
4.2	RADIATED EMISSION MEASUREMENT.....	18
4.2.1	LIMITS OF RADIATED EMISSION MEASUREMENT	18
4.2.2	TEST INSTRUMENTS.....	19
4.2.3	TEST PROCEDURE.....	19
4.2.4	DEVIATION FROM TEST STANDARD.....	20
4.2.5	TEST SETUP.....	20
4.2.6	EUT OPERATING CONDITIONS	20
4.2.7	TEST RESULTS (A).....	21
4.2.8	TEST RESULTS (B).....	24
4.2.9	TEST RESULTS (C)	26
5	PHOTOGRAPHS OF THE TEST CONFIGURATION	28
6	APPENDIX - INFORMATION ON THE TESTING LABORATORIES	34



1 CERTIFICATION

PRODUCT: INDUSTRIAL PANEL COMPUTER
BRAND NAME: AAEON
MODEL NO: G3-15AX-00, G3-12AX-00, G3-10AX-00
TEST ITEM: ENGINEERING SAMPLE
APPLICANT: AAEON TECHNOLOGY INC.
STANDARDS: FCC Part 15, Subpart B, Class A
CISPR 22: 1997, Class A
ANSI C63.4-1992

We, **Advance Data Technology Corporation**, hereby certify that three samples (model: G3-15AM-00, G3-12AM-00, G3-10AR-00) of the designation have been tested in our facility on April 4, 2001. The test record, data evaluation and Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions herein specified.

CHECKED BY: Yemmy Soong, **DATE:** 4/18/2001
(Yemmy Soong)

APPROVED BY: Mike Su, **DATE:** 4/18/2001
(Mike Su, Manager)



2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Remarks
FCC Part 15, Subpart A, CISPR 22: 1997, Class A	Conducted Test	PASS	Meets Class A Limit Minimum passing margin is -26.23 dB at 0.535 MHz
	Radiated Test	PASS	Meets Class A Limit Minimum passing margin is -2.1 dB at 98.34 MHz

NOTE: For conducted emission test, the test limit used is according to FCC Part 15.107. In this part, conducted emission test for telecom port is not mentioned and therefore this item is not tested.



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	INDUSTRIAL PANEL COMPUTER
MODEL NO.	G3-15AX-00, G3-12AX-00, G3-10AX-00
POWER SUPPLY	Switching Power Cord: Non-shielded, AC 3-pin (1.8m)
DATA CABLE	NA

NOTE: The EUT has three model names, which are identical to each other except for their LCD panel and keyboard functions as the following:

- Model: G3-15AX-00: G-3000 PC Box + 15.0" LCD Panel
- Model: G3-12AX-00: G-3000 PC Box + 12.1" LCD Panel
- Model: G3-10AX-00: G-3000 PC Box + 10.4" LCD Panel

The "X" in model names could be "M" or "R" depending on the EUT's keyboard functions. "M" is to define EUT with membrane keyboard on its panel and "R" is to define EUT with touch screen type.

The EUT was configured with **G-3000 PC Box**, which consists of the following components:

Components	Model & Brand Name
MOTHER BOARD	AAEON, model: PCM-6890
CPU	Intel Celeron 400MHz
RAM	PC100 SDRAM, 64MB
FDD	NEC, model: FD1238T, 1.4MB
CD-ROM	NEC, model CD2800D, 24x
HDD	TOSHIBA, model: MK2109MA

For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



3.2 DESCRIPTION OF TEST MODES

The EUT were pre-tested with the following six conditions:

Condition	Model name	LCD Panel	Keyboard function
1	G3-15AR-00	HYUNDAI 15" LCD Panel, model: HT15X22-100 (resolution: 1024x768)	Touch screen, model: Dynapro 9584A
2	G3-15AM-00	HYUNDAI 15" LCD Panel, model: HT15X22-100 (resolution: 1024x768)	Membrane keyboard
3	G3-12AR-00	TOSHIBA 12.1" LCD Panel, model: LTM12C275A (resolution: 800x600)	Touch screen, model: Dynapro 9584A
4	G3-12AM-00	TOSHIBA 12.1" LCD Panel, model: LTM12C275A (resolution: 800x600)	Membrane keyboard
5	G3-10AR-00	NEC 10.4" LCD Panel, model: NL6448AC33-18 (resolution: 640x480)	Touch screen, model: Dynapro 9584A
6	G3-10AM-00	NEC 10.4" LCD Panel, model: NL6448AC33-18 (resolution: 640x480)	Membrane keyboard

The worst emission level was found when the EUT were tested under the following three modes and their data are recorded in this report.

MODE 1 – Model: G3-15AM-00

MODE 2 – Model: G3-12AM-00

MODE 3 – Model: G3-10AR-00



3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	19"COLOR MONITOR	HP	D2842A	KR93473118	BEJCB910
2	PRINTER	HP	2225C+	2936S56294	DSI6XU2225
3	MODEM	ACEEX	1414	980020536	IFAXDM1414
4	MODEM	ACEEX	1414	980020538	IFAXDM1414
5	MODEM	ACEEX	1414	980020527	IFAXDM1414
6	KEYBOARD	FORWARD	FDA-104GA	FDKB8110116	F4ZDA-104G
7	MOUSE	LOGITECH	M-S43	LZE000703160	DZL211106
8	USB KEYBOARD	SiliconGraphis	SK-2502U	M990207207	GYUR58SK
9	USB MOUSE	DEXIN	A2U800A	71001825	NIYA2U800A
10	CASSETTE PLAYER	ADITION	BS-722A	C0102026	NA
11	MICROPHONE	CAROL	MUD-329	M501012	NA
12	SPEAKER	JAZZ HIPSTER	J-008	J80391997	NA
13	INDUSTRIAL PANEL COMPUTER	AAEON	P3-15AX-00	NA	VERIFICATION

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	1.8 m braid shielded wire, terminated with VGA connector via metallic frame, w/o core.
2	1.2m braid shielded wire, terminated with DB25 and Centronics connector via metallic frame, w/o core.
3	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
4	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
5	1.2 m braid shielded wire, terminated with DB25 and DB9 connector via metallic frame, w/o core.
6	1.5 m foil shielded wire, terminated with PS/2 connector via metallic frame, w/o core.
7	1.8 m foil shielded wire, terminated with PS2 connector via drain wire, w/o core.
8	2.9 m braid shielded wire, terminated with USB connector via drain wire, w/o core.
9	1.5 m foil shielded wire, terminated with USB connector via drain wire, w/o core.



10	1.8 m wrapped shield wire, terminated via drain wire, with 3.5 mm phone plug x 2, w/o core.
11	2.8 m wrapped shielded wire, terminated via drain wire, with 3.5 mm phone plug, w/o core.
12	1.1 m wrapped shielded wire, terminated via drain wire, with 3.5 mm phone plug, w/o core.
13	NA

- NOTE:** 1. All power cords of the above support units are non shielded (1.8m).
2. The EUT acted as SERVER PC and communicated with support units 13 which acted as WORKSTATION and partners of communication system via a STP cable (10m)



4 EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

- NOTES:**
- (1) The lower limit shall apply at the transition frequencies.
 - (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
 - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
ROHDE & SCHWARZ Test Receiver	ESCS30	834115/016	Feb. 21, 2002
ROHDE & SCHWARZ Artificial Mains Network (For EUT)	ESH2-Z5	892107/003	July 11, 2001
ROHDE & SCHWARZ 4-wire ISN	ENY41	838119/028	Dec. 12, 2001
ROHDE & SCHWARZ 2-wire ISN	ENY22	837497/018	Dec. 3, 2001
EMCO L.I.S.N. (For peripherals)	3825/2	9504-2359	July 11, 2001
Software	Cond-V2e	NA	NA
RF cable (JYEBAO)	RG-58A/U	Cable-C03.01	July 11, 2001
Terminator (For EMCO LISN)	NA	E1-01-300	Feb. 20, 2002
Terminator (For EMCO LISN)	NA	E1-01-301	Feb. 20, 2002
Shielded Room	Site 3	ADT-C03	NA
VCCI Site Registration No.	Site 3	C-274	NA

- NOTE:**
1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

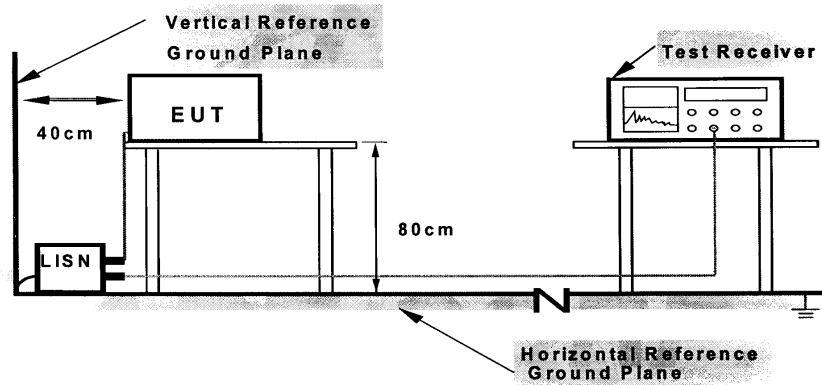
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels over 10dB under the prescribed limits could not be reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



4.1.6 EUT OPERATING CONDITIONS

- a. Turn on the power of all equipment.
- b. INDUSTRIAL PANEL COMPUTER (EUT) and communication PC run a test program to enable all functions.
- c. EUT transmits/and receives messages from the communication PC via STP cable, which connected EUT and communication PC.
- d. EUT sends "H" messages to monitor and monitor displayed "H" patterns on screen.
- e. EUT sends "H" messages to printer, then printer printed them on paper.
- f. EUT sends "H" messages to modem.
- g. EUT sends audio messages to speaker.
- h. Repeat steps c-h.

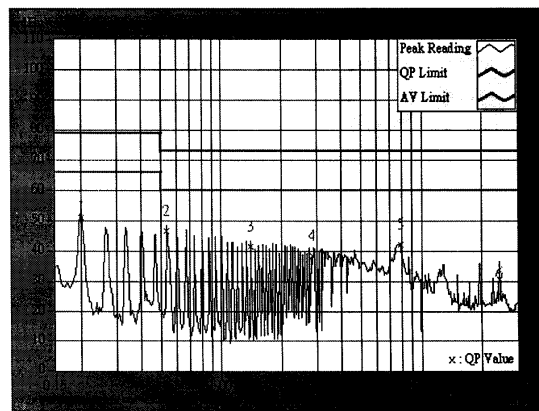


4.1.7 TEST RESULTS (A)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-15AM-00
MODE	1	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	<i>JN Chen</i>

No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.202	0.20	51.10	-	51.30	-	79.00	66.00	-27.70	-
2	0.535	0.22	46.55	-	46.77	-	73.00	60.00	-26.23	-
3	1.406	0.30	41.35	-	41.65	-	73.00	60.00	-31.35	-
4	2.878	0.34	38.61	-	38.95	-	73.00	60.00	-34.05	-
5	7.866	0.53	42.30	-	42.83	-	73.00	60.00	-30.17	-
6	24.581	1.18	25.96	-	27.14	-	73.00	60.00	-45.86	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

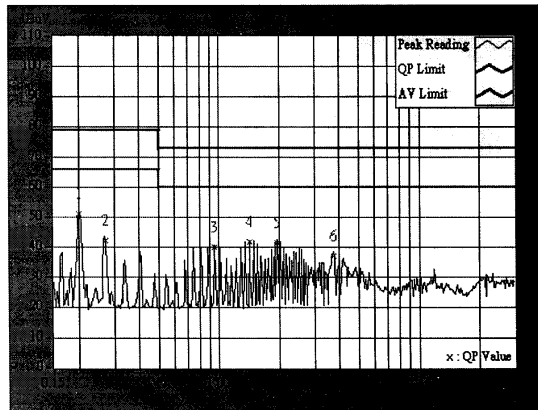




EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-15AM-00
MODE	1	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.201	0.20	47.31	-	47.51	-	79.00
2	0.536	0.22	38.30	-	38.52	-	73.00	60.00	-34.48	-
3	0.869	0.28	34.75	-	35.03	-	73.00	60.00	-37.97	-
4	2.144	0.31	36.35	-	36.66	-	73.00	60.00	-36.34	-
5	7.567	0.46	39.82	-	40.28	-	73.00	60.00	-32.72	-
6	24.581	0.79	34.93	-	35.72	-	73.00	60.00	-37.28	-

- REMARKS:
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



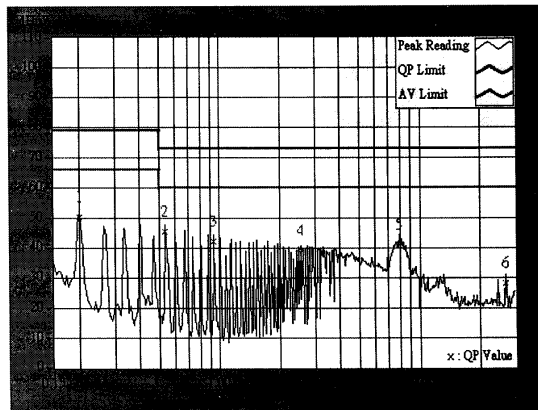


4.1.8 TEST RESULTS (B)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-12AM-00
MODE	2	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.202	0.20	50.45	-	50.65	-	79.00
2	0.535	0.22	45.72	-	45.94	-	73.00	60.00	-27.06	-
3	0.937	0.29	42.14	-	42.43	-	73.00	60.00	-30.57	-
4	2.548	0.33	39.29	-	39.62	-	73.00	60.00	-33.38	-
5	7.926	0.53	41.15	-	41.68	-	73.00	60.00	-31.32	-
6	26.848	1.27	28.19	-	29.46	-	73.00	60.00	-43.54	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

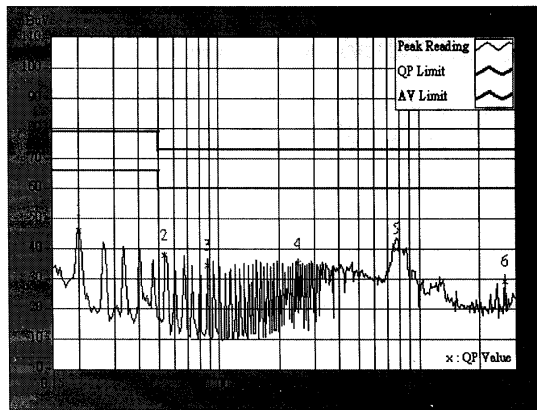




EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-12AM-00
MODE	2	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.202	0.20	45.80	-	46.00	-	79.00
2	0.537	0.22	37.96	-	38.18	-	73.00	60.00	-34.82	-
3	0.873	0.28	34.55	-	34.83	-	73.00	60.00	-38.17	-
4	2.480	0.32	35.22	-	35.54	-	73.00	60.00	-37.46	-
5	7.746	0.46	40.17	-	40.63	-	73.00	60.00	-32.37	-
6	26.848	0.76	29.08	-	29.84	-	73.00	60.00	-43.16	-

- REMARKS:
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



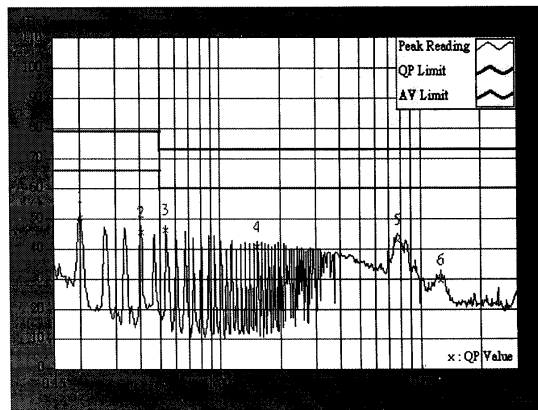


4.1.9 TEST RESULTS (C)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-10AR-00
MODE	3	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Line (L)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.201	0.20	50.29	-	50.49	-	79.00	66.00	-28.51	-
2	0.404	0.20	45.55	-	45.75	-	79.00	66.00	-33.25	-
3	0.537	0.22	46.21	-	46.43	-	73.00	60.00	-26.57	-
4	1.543	0.30	40.91	-	41.21	-	73.00	60.00	-31.79	-
5	7.746	0.52	42.79	-	43.31	-	73.00	60.00	-29.69	-
6	12.672	0.65	29.59	-	30.24	-	73.00	60.00	-42.76	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

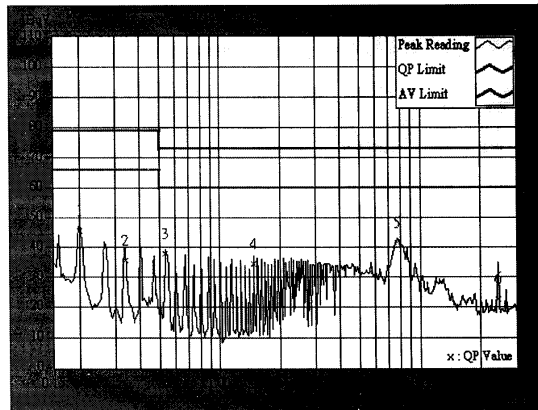




EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-10AR-00
MODE	3	6dB BANDWIDTH	10 kHz
INPUT POWER	120Vac, 60 Hz	PHASE	Neutral (N)
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY: JN Chen	

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.201	0.20	45.47	-	45.67	-	79.00	66.00	-33.33	-
2	0.338	0.20	35.42	-	35.62	-	79.00	66.00	-43.38	-
3	0.537	0.22	37.86	-	38.08	-	73.00	60.00	-34.92	-
4	1.477	0.30	34.37	-	34.67	-	73.00	60.00	-38.33	-
5	7.688	0.46	41.35	-	41.81	-	73.00	60.00	-31.19	-
6	24.582	0.79	22.50	-	23.29	-	73.00	60.00	-49.71	-

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT FOR FREQUENCY BELOW 1000 MHz

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30 – 230	40	30
230 - 1000	47	37

LIMIT OF RADIATED EMISSION OF FCC PART 15, SUBPART B FOR FREQUENCY ABOVE 1000 MHz

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80.0	60.0	74.0	54.0

- Note: (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.



4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
HP Spectrum Analyzer	8594E	3520A01861	Feb. 12, 2002
HP Preamplifier	8447D	2944A08118	June 5, 2001
* HP Preamplifier	8449B	3008A01201	Dec. 13, 2001
* ROHDE & SCHWARZ TEST RECEIVER	ESVS 10	840241/010	Sept. 7, 2001
SCHWARZBECK Tunable Dipole Antenna	VHA 9103 UHA 9105	E101051 E101055	Nov. 23, 2001
* ROHDE & SCHWARZ TEST RECEIVER	ESMI	839013/007 839379/002	Jan. 25, 2002
* CHASE BILOG Antenna	CBL6111A	1501	July 17, 2001
* SCHWARZBECK Horn Antenna	BBHA9120-D1	D130	July 9, 2001
* CHANCE Turn Table	U200	9701	NA
* CHANCE Tower	AT-100	CM-A003	NA
* Software	AS61D	NA	NA
* ANRITSU RF Switches	MP59B	6100034537	July 17, 2001
* TIMES RF cable	LMR-600	CABLE-ST3-01	July 17, 2001
Open Field Test Site	Site 3	ADT-R03	July 14, 2001
VCCI Site Registration No.	Site 3	R-269	NA

- NOTE:** 1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to NML/ROC and NIST/USA.
3. "*" = These equipment are used for the final measurement.

4.2.3 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10-meter open field site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then

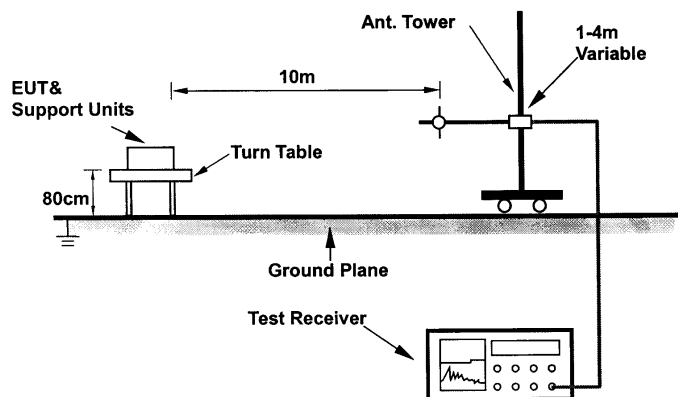
the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi- peak method or average method as specified and then reported in Data sheet peak mode and QP mode.
- g. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the interference antenna and the detect function was set to Peak or Average.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.



4.2.7 TEST RESULTS (A)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-15AM-00
MODE	1	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	49.17	25.3 QP	40.00	-14.70	4.00H	341	15.06	8.81	1.40	0.00	-10.21
2	98.32	27.8 QP	40.00	-12.20	4.00H	136	16.69	9.57	1.49	0.00	-11.06
3	110.45	25.1 QP	40.00	-14.90	4.00H	334	13.16	10.34	1.61	0.00	-11.95
4	116.95	28.9 QP	40.00	-11.10	4.00H	177	16.67	10.59	1.68	0.00	-12.27
5	153.88	28.6 QP	40.00	-11.40	4.00H	0	17.25	9.60	1.78	0.00	-11.38.
6	195.00	24.1 QP	40.00	-15.90	4.00H	24	14.21	8.01	1.93	0.00	-9.94.
7	200.44	26.7 QP	40.00	-13.30	4.00H	283	16.74	8.03	1.94	0.00	-9.97
8	218.83	31.2 QP	40.00	-8.80	4.00H	117	19.80	9.45	1.98	0.00	-11.43
9	227.45	34.9 QP	40.00	-5.10	4.00H	76	22.86	9.99	2.00	0.00	-11.99
10	236.09	33.3 QP	47.00	-13.70	4.00H	252	20.53	10.71	2.02	0.00	-12.73
11	316.25	35.0 QP	47.00	-12.00	4.00H	240	19.69	13.06	2.31	0.00	-15.36
12	496.10	33.5 QP	47.00	-13.50	1.64H	307	13.27	17.65	2.58	0.00	-20.22
13	601.28	33.5 QP	47.00	-13.50	1.00H	342	11.38	19.60	2.52	0.00	-22.11

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-15AM-00
MODE	1	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	49.17	37.7 QP	40.00	-2.30	1.21V	5	27.49	8.81	1.40	0.00	-10.21
2	98.34	37.9 QP	40.00	-2.10	1.00V	254	26.84	9.57	1.49	0.00	-11.06
3	110.47	32.2 QP	40.00	-7.80	1.00V	74	20.25	10.34	1.61	0.00	-11.95
4	153.79	30.2 QP	40.00	-9.80	1.00V	322	18.82	9.60	1.78	0.00	-11.38
5	167.03	24.2 QP	40.00	-15.80	1.00V	26	13.77	8.61	1.83	0.00	-10.43
6	200.40	23.3 QP	40.00	-16.70	1.00V	14	13.33	8.03	1.94	0.00	-9.97
7	218.77	35.2 QP	40.00	-4.80	1.00V	356	23.77	9.45	1.98	0.00	-11.43
8	227.44	33.4 QP	40.00	-6.60	1.00V	306	21.41	9.99	2.00	0.00	-11.99
9	235.95	34.3 QP	47.00	-12.70	1.00V	317	21.57	10.71	2.02	0.00	-12.73
10	464.26	35.3 QP	47.00	-11.70	2.98V	1	16.19	16.76	2.34	0.00	-19.11

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-15AM-00
MODE	1	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1269.50	41.9 pk	80.00	-38.10	1.00H	65	13.13	24.94	3.81	0.00	-28.75
2	1402.80	43.6 pk	80.00	-36.40	1.00H	240	13.44	25.20	4.96	0.00	-30.16
3	1536.10	41.5 pk	80.00	-38.50	1.00H	192	11.44	25.46	4.61	0.00	-30.08
4	1670.50	41.7 pk	80.00	-38.30	1.00H	234	11.91	25.67	4.12	0.00	-29.79

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1135.50	40.4 pk	80.00	-39.60	1.00V	215	12.81	24.68	2.95	0.00	-27.63
2	1269.40	42.2 pk	80.00	-37.80	1.00V	184	13.44	24.94	3.81	0.00	-28.75
3	1402.90	47.6 pk	80.00	-32.40	1.00V	203	17.47	25.20	4.96	0.00	-30.16
4	1536.60	45.1 pk	80.00	-34.90	1.00V	193	15.00	25.46	4.61	0.00	-30.08
5	1670.20	41.5 pk	80.00	-38.50	1.00V	199	11.66	25.67	4.12	0.00	-29.79

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-12AM-00
MODE	2	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1199.70	44.4 pk	80.00	-35.60	1.00H	272	16.41	24.80	3.17	0.00	-27.97
2	1336.00	41.2 pk	80.00	-38.80	1.00H	158	11.63	25.08	4.50	0.00	-29.58
3	1839.70	46.1 pk	80.00	-33.90	1.00H	307	15.41	25.94	4.80	0.00	-30.74

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1336.20	44.8 pk	80.00	-35.20	1.00V	296	15.25	25.08	4.50	0.00	-29.58
2	1403.00	50.5 pk	80.00	-29.50	1.00V	216	20.34	25.20	4.96	0.00	-30.16
3	1469.70	44.9 pk	80.00	-35.10	1.00V	177	14.45	25.34	5.11	0.00	-30.45
4	1536.50	46.0 pk	80.00	-34.00	1.00V	231	15.92	25.46	4.61	0.00	-30.08
5	1670.10	42.6 pk	80.00	-37.40	1.00V	213	12.81	25.67	4.12	0.00	-29.79
6	1841.10	43.9 pk	80.00	-36.10	1.00V	209	13.16	25.94	4.80	0.00	-30.74

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



4.2.9 TEST RESULTS (C)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-10AR-00
MODE	3	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M												
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)	
1	49.16	25.5 QP	40.00	-14.50	4.00H	330	15.32	8.81	1.40	0.00	-10.21	
2	98.33	26.9 QP	40.00	-13.10	4.00H	84	15.82	9.57	1.49	0.00	-11.06	
3	122.92	27.1 QP	40.00	-12.90	4.00H	268	14.66	10.70	1.71	0.00	-12.41	
4	159.80	27.1 QP	40.00	-12.90	4.00H	66	16.32	9.02	1.79	0.00	-10.80	
5	223.72	31.8 QP	40.00	-8.20	4.00H	358	19.95	9.81	1.99	0.00	-11.80	
6	270.35	25.7 QP	47.00	-21.30	4.00H	52	11.63	12.04	2.01	0.00	-14.05	
7	351.56	35.2 QP	47.00	-11.80	1.63H	334	18.79	13.91	2.47	0.00	-16.39	
8	368.70	32.7 QP	47.00	-14.30	3.23H	308	15.49	14.67	2.50	0.00	-17.17	
9	415.49	34.4 QP	47.00	-12.60	1.56H	90	15.83	16.14	2.45	0.00	-18.59	

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M												
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)	
1	49.15	36.6 QP	40.00	-3.40	1.00V	5	26.38	8.81	1.40	0.00	-10.21	
2	98.31	35.6 QP	40.00	-4.40	1.00V	262	24.59	9.57	1.49	0.00	-11.06	
3	122.91	33.8 QP	40.00	-6.20	1.00V	73	21.35	10.70	1.71	0.00	-12.41	
4	159.81	32.3 QP	40.00	-7.70	1.00V	321	21.50	9.02	1.79	0.00	-10.80	
5	223.75	29.7 QP	40.00	-10.30	1.00V	116	17.94	9.81	1.99	0.00	-11.80	
6	270.78	26.9 QP	47.00	-20.10	1.00V	265	12.87	12.04	2.01	0.00	-14.05	
7	351.57	32.2 QP	47.00	-14.80	1.00V	257	15.83	13.91	2.47	0.00	-16.39	
8	368.72	31.7 QP	47.00	-15.30	1.00V	132	14.57	14.67	2.50	0.00	-17.17	
9	415.50	32.4 QP	47.00	-14.60	1.00V	288	13.85	16.14	2.45	0.00	-18.58	

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-10AR-00
MODE	3	FREQUENCY RANGE	1000-5000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Peak, 1MHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1402.80	43.1 pk	80.00	-36.90	1.00H	197	12.91	25.20	4.96	0.00	-30.16
2	1670.00	42.5 pk	80.00	-37.50	1.00H	151	12.69	25.67	4.12	0.00	-29.79
3	1839.80	44.0 pk	80.00	-36.00	1.00H	211	13.31	25.94	4.80	0.00	-30.74

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	1135.70	41.7 pk	80.00	-38.30	1.00V	208	14.06	24.68	2.95	0.00	-27.63
2	1269.40	41.6 pk	80.00	-38.40	1.00V	117	12.84	24.94	3.81	0.00	-28.75
3	1402.90	49.1 pk	80.00	-30.90	1.00V	203	18.91	25.20	4.96	0.00	-30.16
4	1536.50	45.5 pk	80.00	-34.50	1.00V	235	15.38	25.46	4.61	0.00	-30.08
5	1670.20	44.5 pk	80.00	-35.50	1.00V	189	14.70	25.67	4.12	0.00	-29.79
6	1803.80	41.8 pk	80.00	-38.20	1.00V	74	11.47	25.88	4.42	0.00	-30.31

- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.



4.2.8 TEST RESULTS (B)

EUT	INDUSTRIAL PANEL COMPUTER	MODEL	G3-12AM-00
MODE	2	FREQUENCY RANGE	30-1000 MHz
INPUT POWER	120Vac, 60 Hz	DETECTOR FUNCTION & BANDWIDTH	Quasi-Peak, 120kHz
ENVIRONMENTAL CONDITIONS	20 deg. C, 80 % RH, 1050 hPa	TESTED BY:	JN Chen

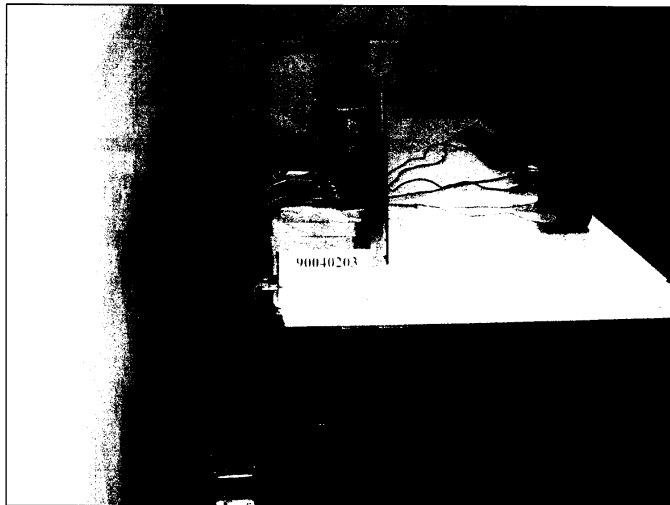
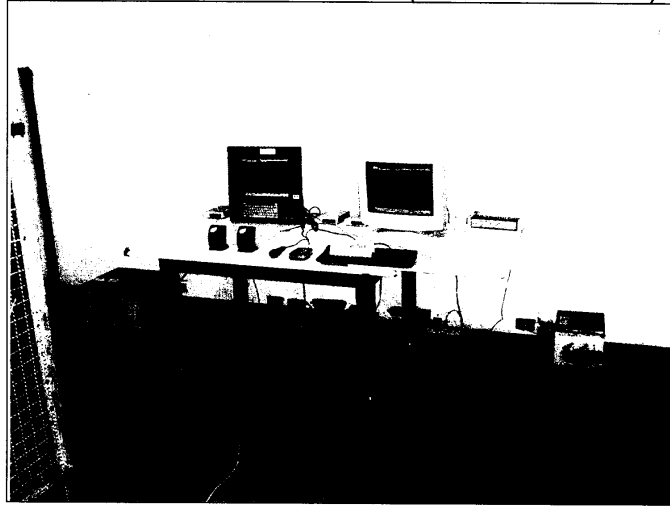
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	49.16	32.7 QP	40.00	-7.30	4.00H	345	22.51	8.81	1.40	0.00	-10.21
2	98.32	29.3 QP	40.00	-10.70	4.00H	342	18.27	9.57	1.49	0.00	-11.06
3	138.07	32.6 QP	40.00	-7.40	4.00H	109	20.13	10.74	1.79	0.00	-12.52
4	153.41	21.4 QP	40.00	-18.60	4.00H	251	10.01	9.60	1.78	0.00	-11.38
5	195.60	26.2 QP	40.00	-13.80	4.00H	59	16.27	8.01	1.93	0.00	-9.94
6	200.43	25.1 QP	40.00	-14.90	4.00H	326	15.14	8.03	1.94	0.00	-9.98
7	230.10	25.3 QP	47.00	-21.70	4.00H	5	12.90	10.35	2.01	0.00	-12.36

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M											
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre-Amp. Factor (dB)	Correction Factor (dB/m)
1	49.17	37.3 QP	40.00	-2.70	2.62V	65	27.13	8.81	1.40	0.00	-10.21
2	53.70	36.8 QP	40.00	-3.20	2.40V	36	28.47	6.92	1.40	0.00	-8.33
3	98.31	35.0 QP	40.00	-5.00	1.00V	311	23.94	9.57	1.49	0.00	-11.06
4	111.24	30.6 QP	40.00	-9.40	1.00V	1	18.58	10.42	1.63	0.00	-12.05
5	130.39	28.4 QP	40.00	-11.60	1.00V	0	15.91	10.71	1.74	0.00	-12.47
6	167.03	29.3 QP	40.00	-10.70	1.00V	318	18.88	8.61	1.83	0.00	-10.43
7	195.60	24.3 QP	40.00	-15.70	1.00V	5	14.35	8.01	1.93	0.00	-9.94
8	225.73	23.3 QP	40.00	-16.70	1.00V	347	11.33	9.99	2.00	0.00	-11.99
9	231.93	26.9 QP	47.00	-20.10	1.00V	80	14.59	10.35	2.01	0.00	-12.36

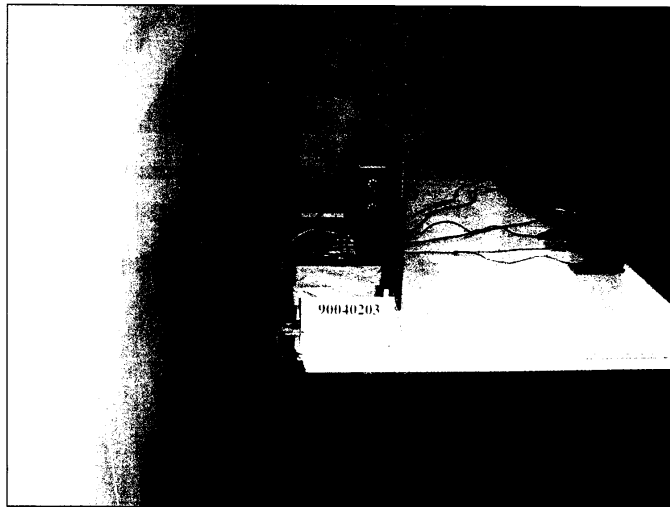
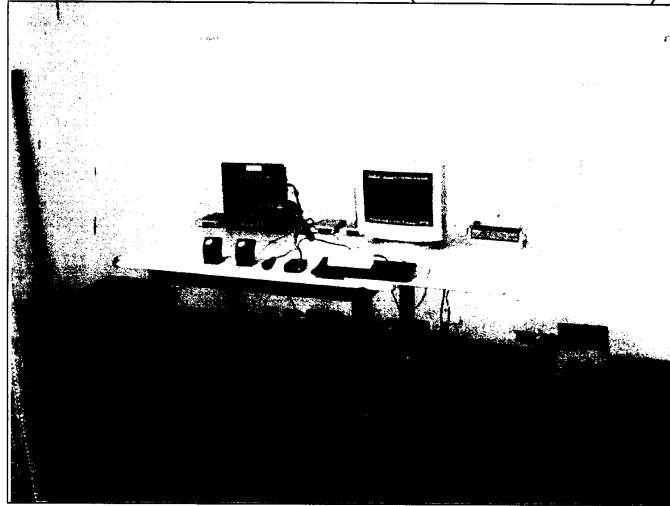
- REMARKS:**
1. Emission level(dBuV/m)=Raw Value(dBuV) – Correction Factor(dB)
 2. Correction Factor(dB/m) = Pre-Amplifier Factor (dB) - Antenna Factor (dB/m) - Cable Factor (dB)
 3. Pre-Amplifier Factor (dB) = 0, when the test receiver is used to read the value and because it did not use the Pre-Amplifier.
 4. The other emission levels were very low against the limit.
 5. Margin value = Emission level – Limit value.

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST (Model: G3-15AM-00)

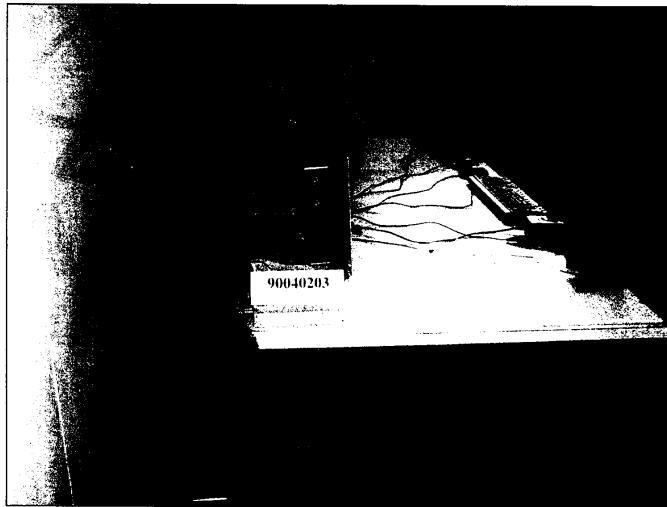
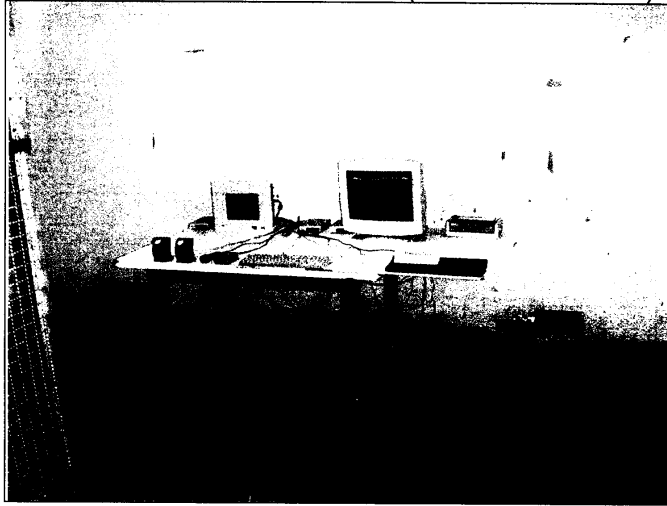


CONDUCTED EMISSION TEST (Model: G3-12AM-00)

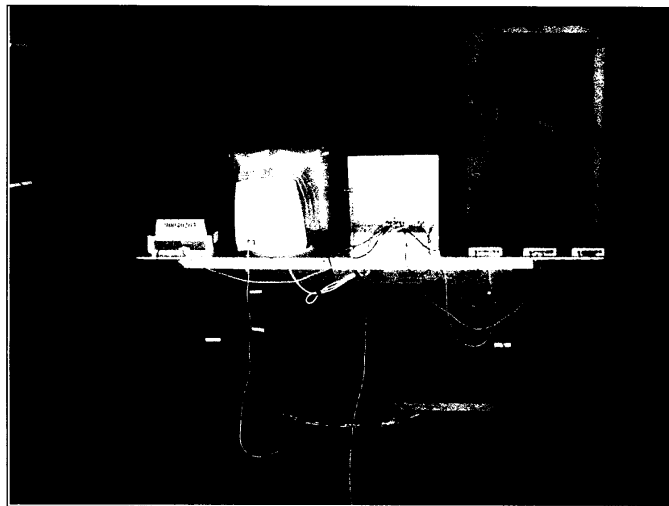
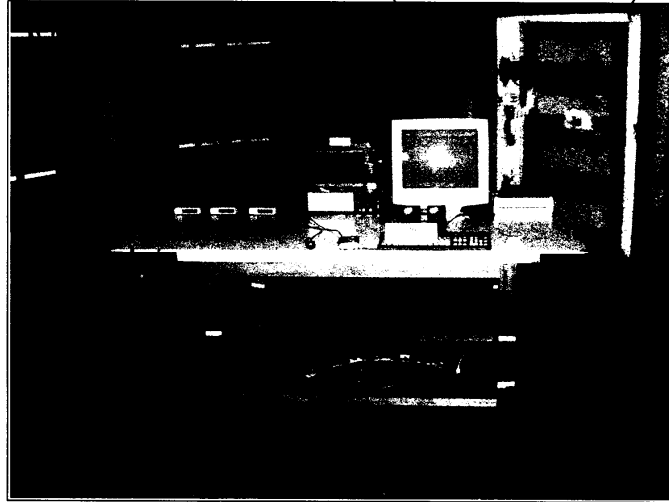




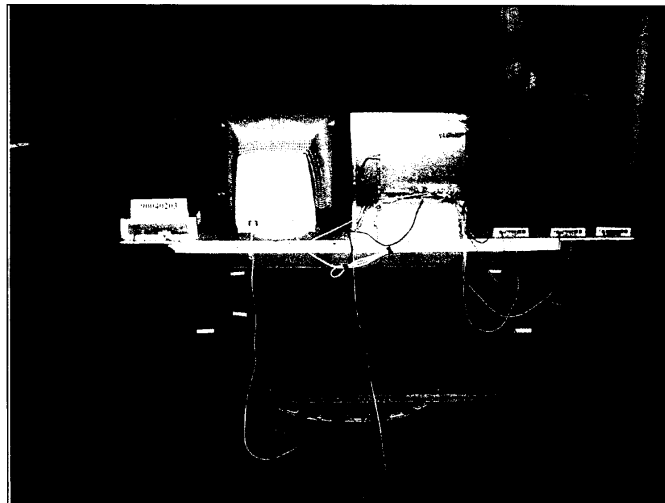
CONDUCTED EMISSION TEST (Model: G3-10AR-00)



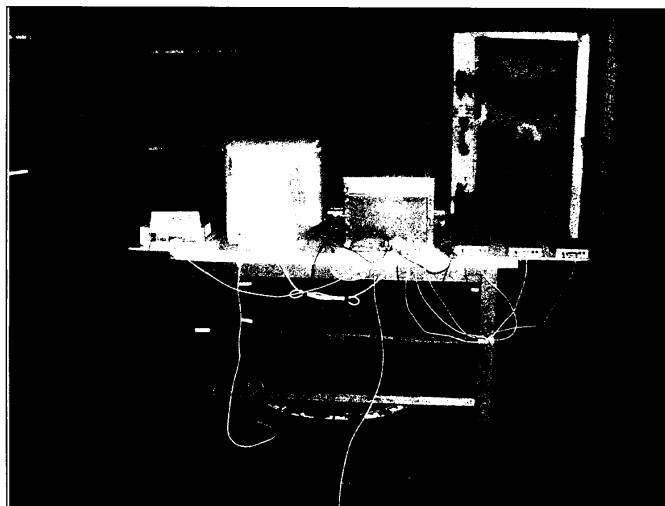
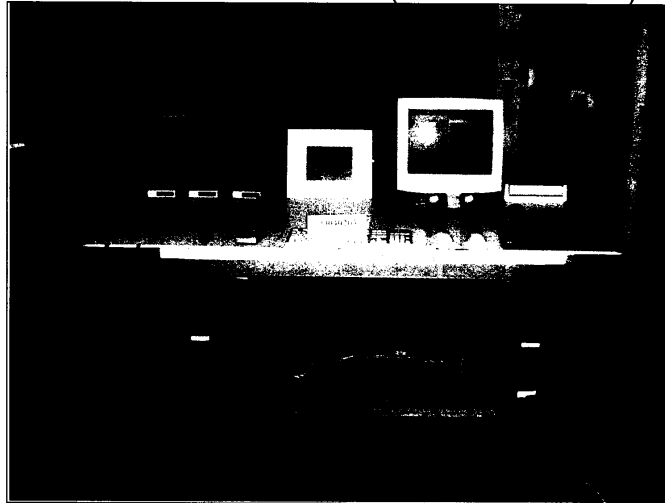
RADIATED EMISSION TEST (Model: G3-15AM-00)



RADIATED EMISSION TEST (Model: G3-12AM-00)



RADIATED EMISSION TEST (Model: G3-10AR-00)





6 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025, Guide 25 or EN 45001:

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
New Zealand	MoC
Norway	NEMKO, DNV
U.K.	INCHCAPE
R.O.C.	BSMI

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Lin Kou EMC Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC Lab:
Tel: 886-35-935343
Fax: 886-35-935342

Lin Kou Safety Lab:
Tel: 886-2-26093195
Fax: 886-2-26093184

Design Center:
Tel: 886-2-26093195
Fax: 886-2-26093184

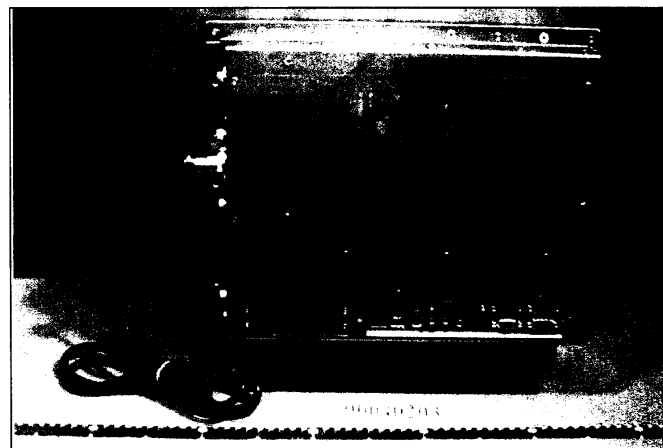
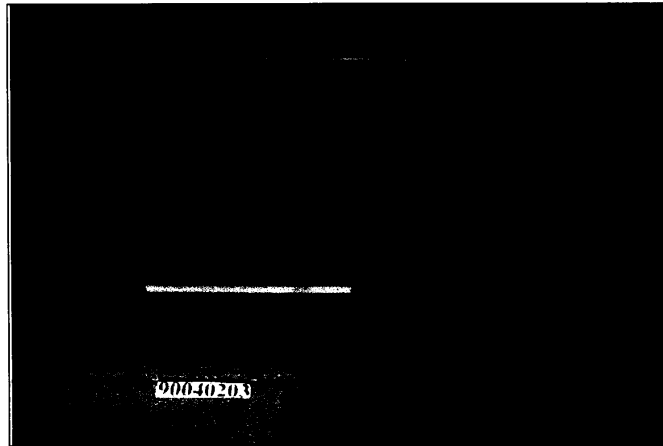
Email: service@mail.adt.com.tw
Web Site: www.adt.com.tw

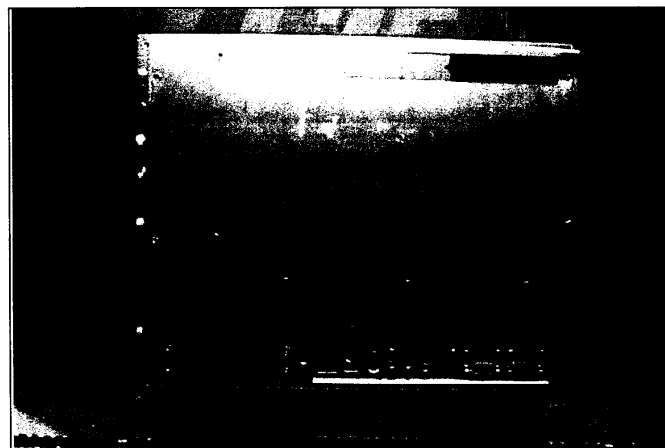
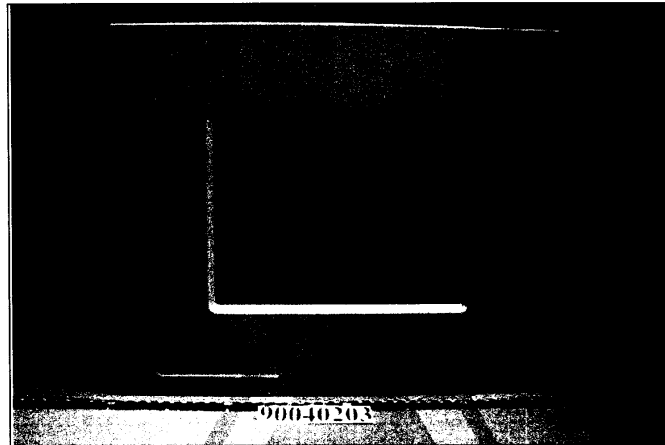
The address and road map of all our labs can be found in our web site also.

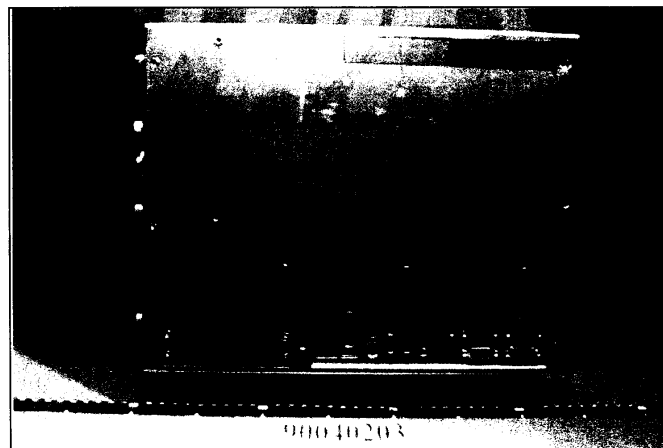
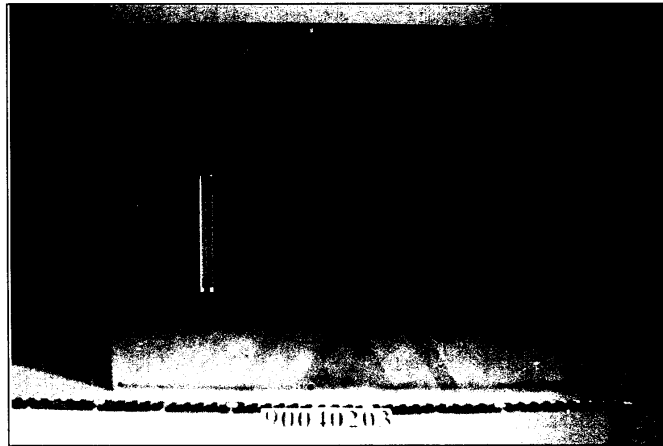


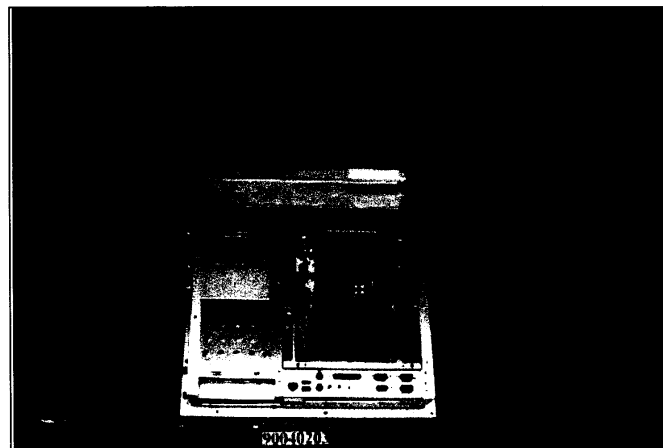
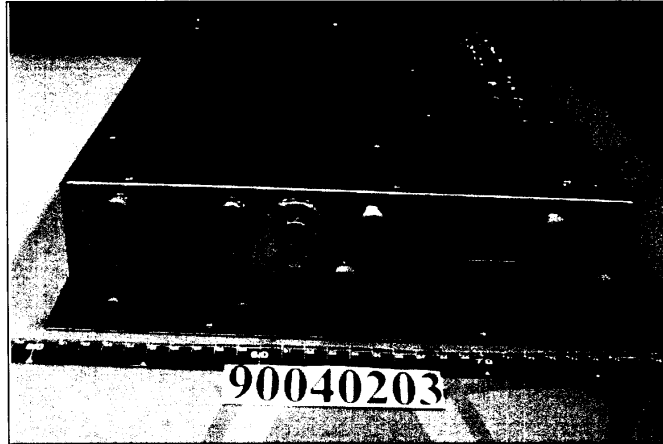
CONSTRUCTION PHOTOS OF EUT

MODEL: G3-10AX-00

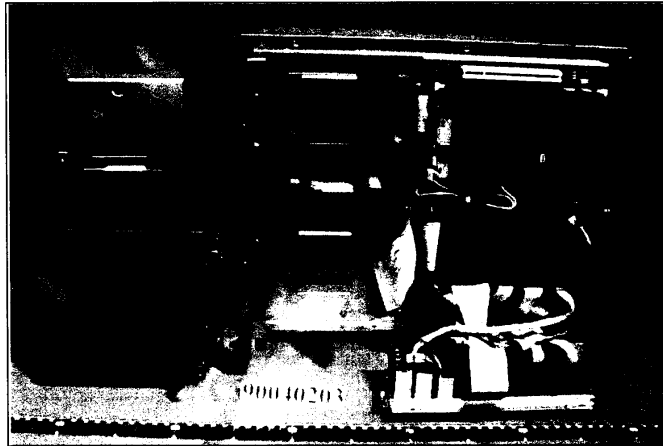


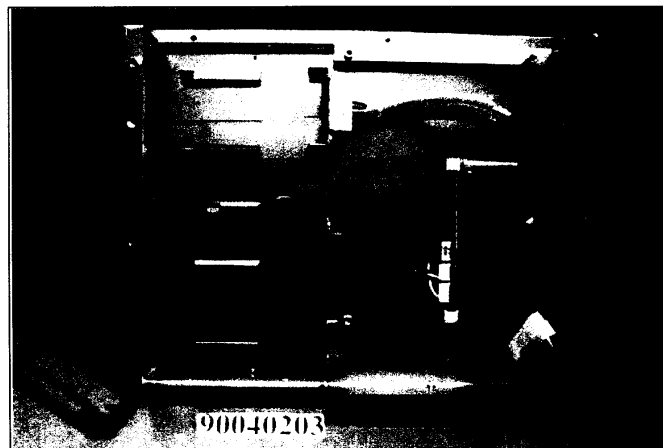
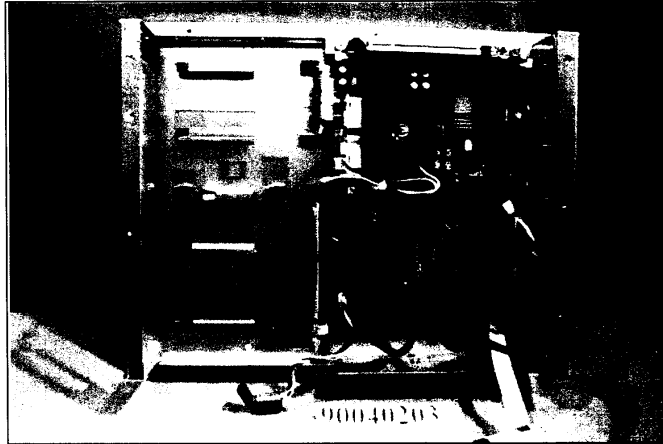


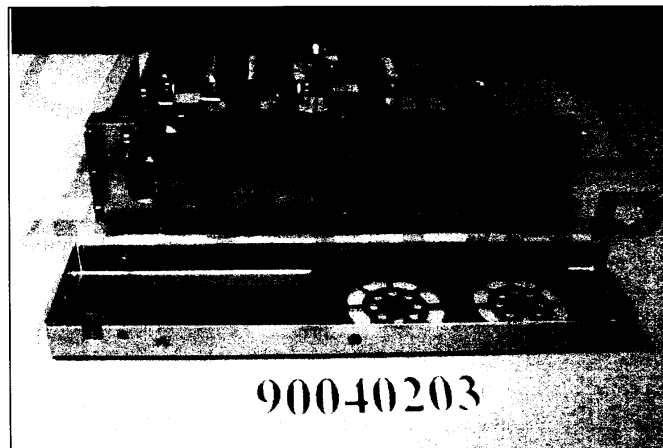
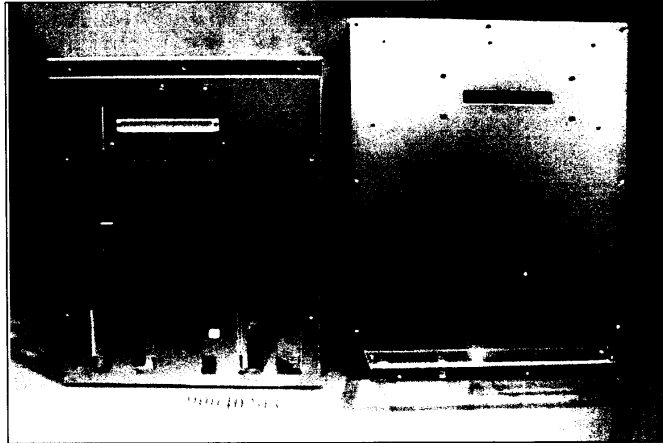


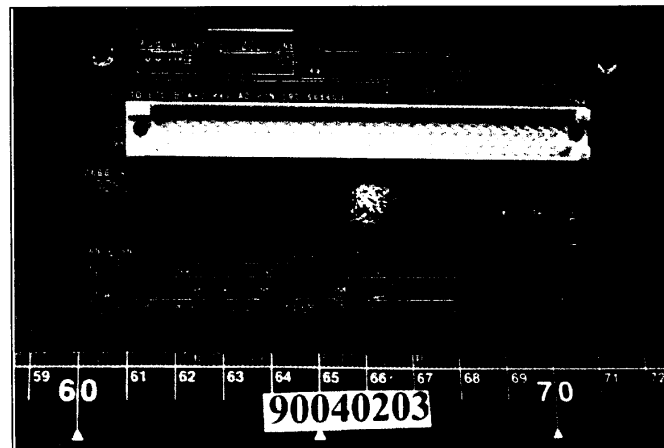
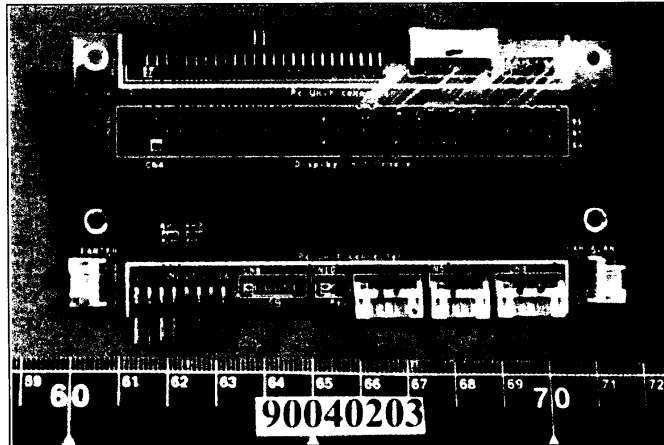


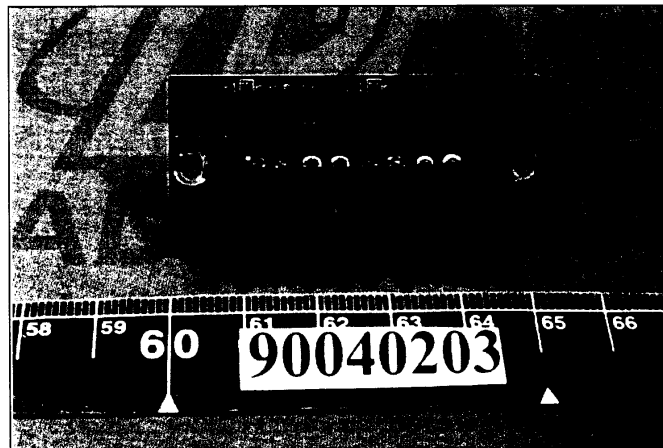
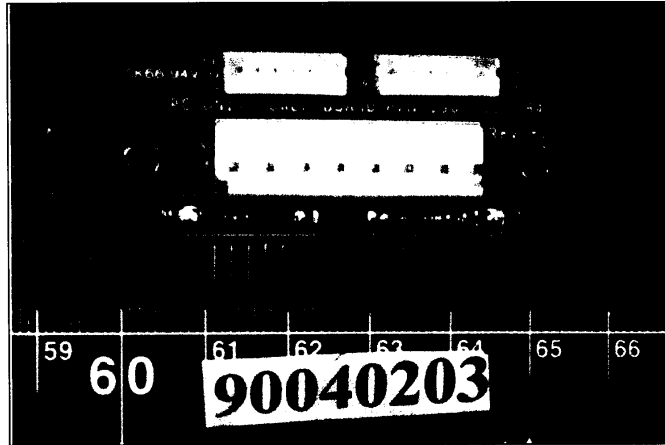


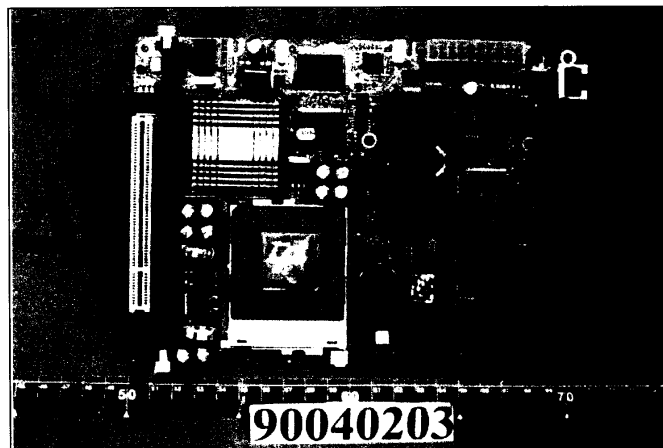
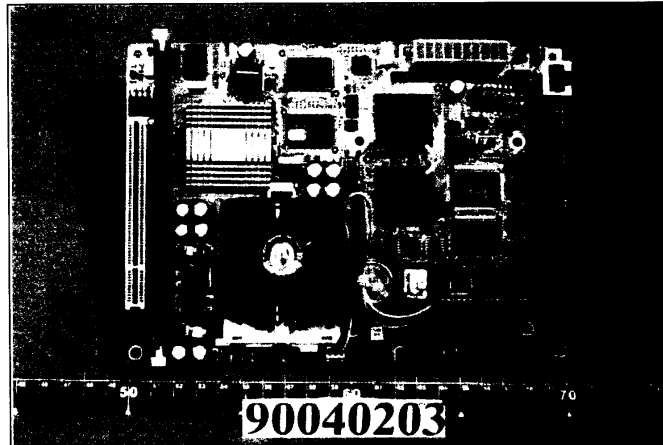


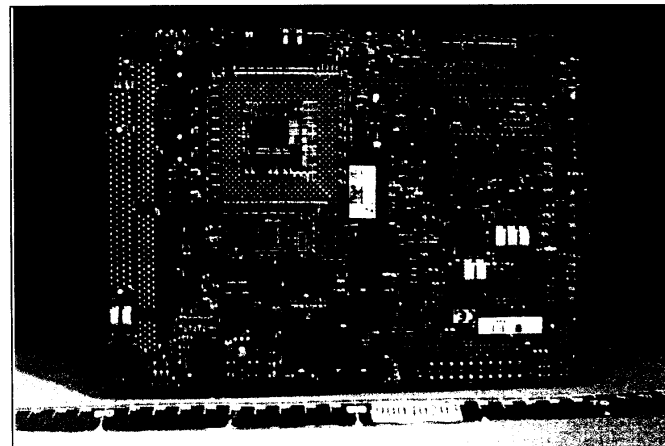
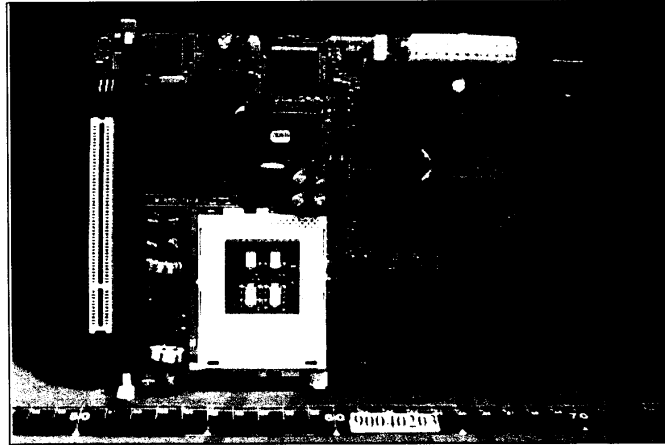


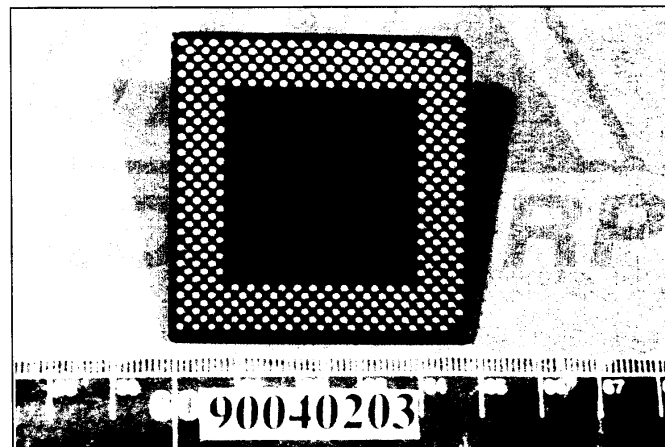
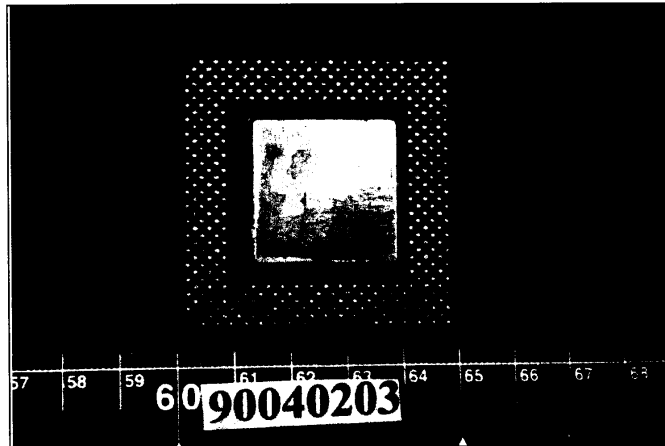


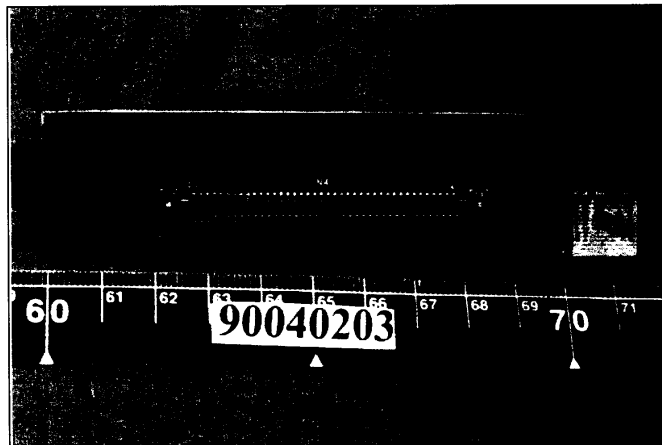
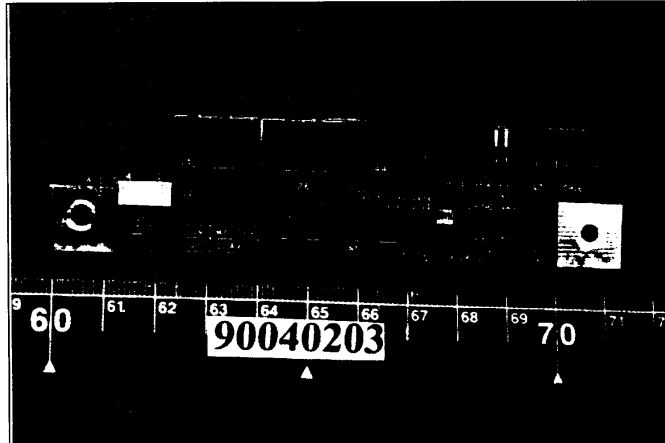




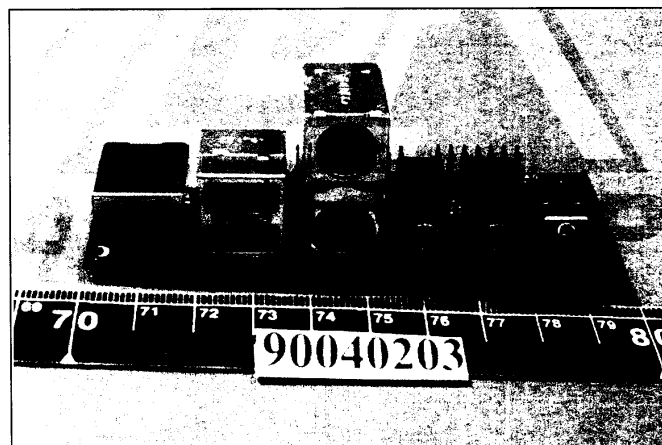
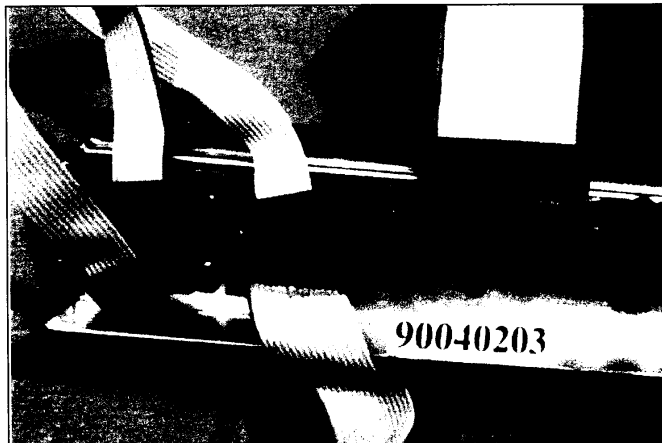


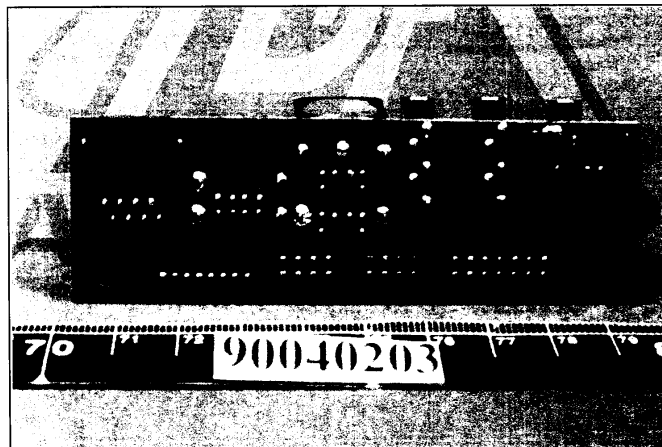
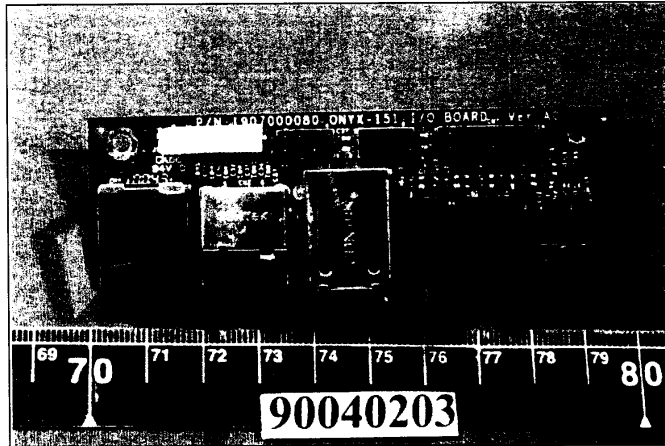


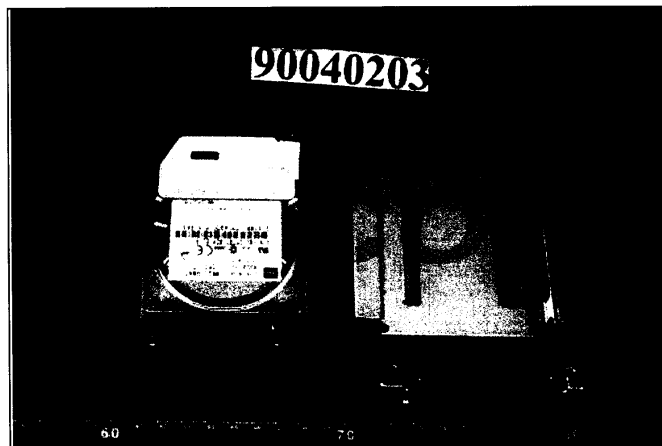
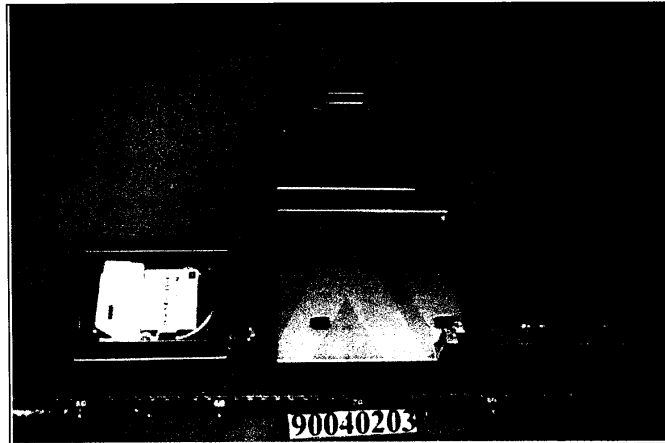


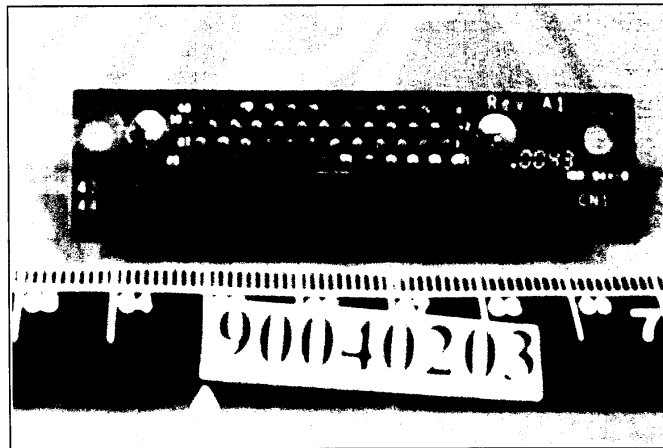
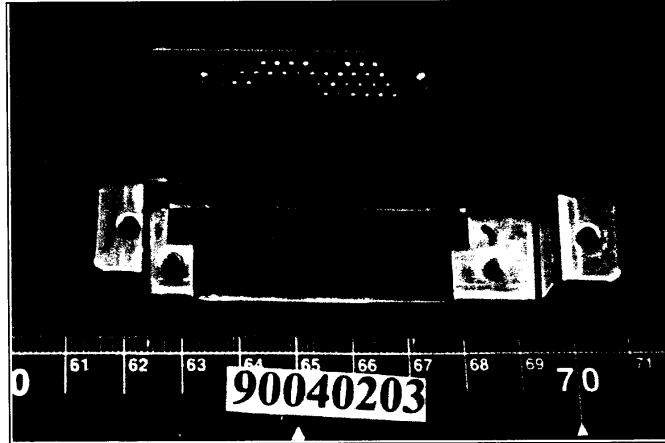


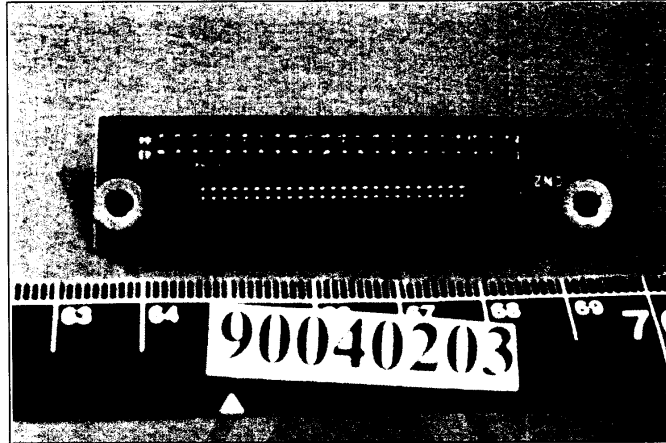


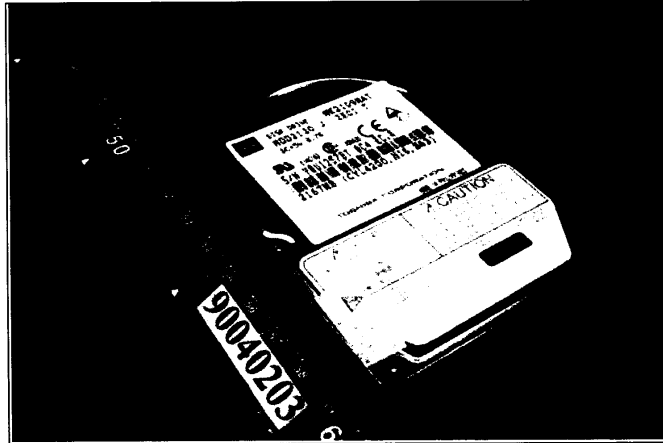


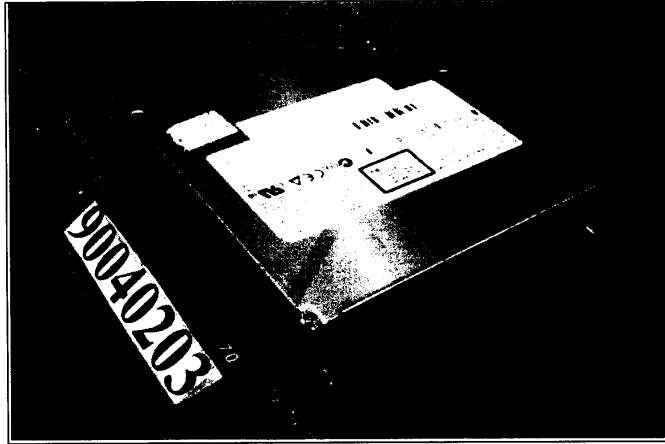


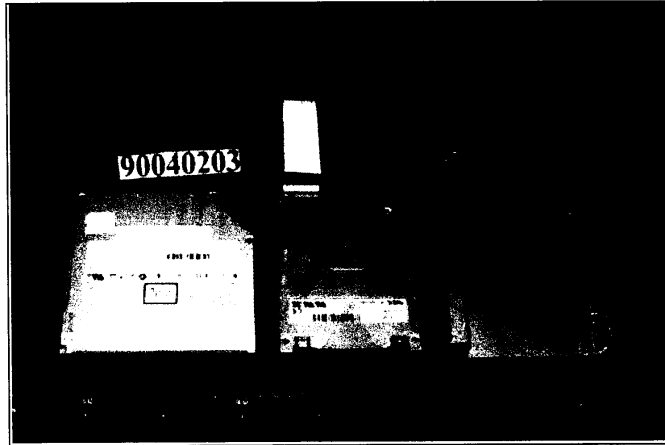


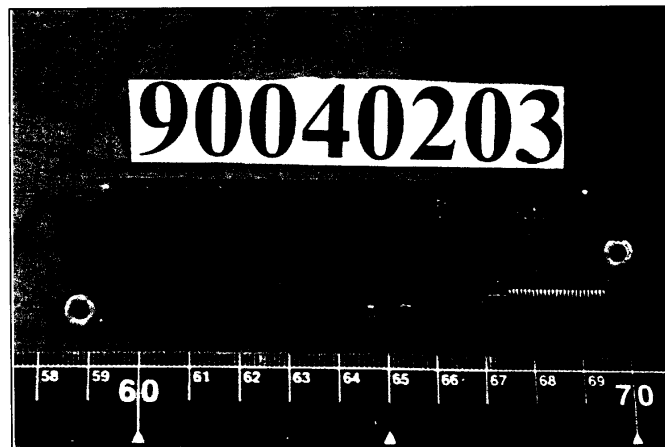
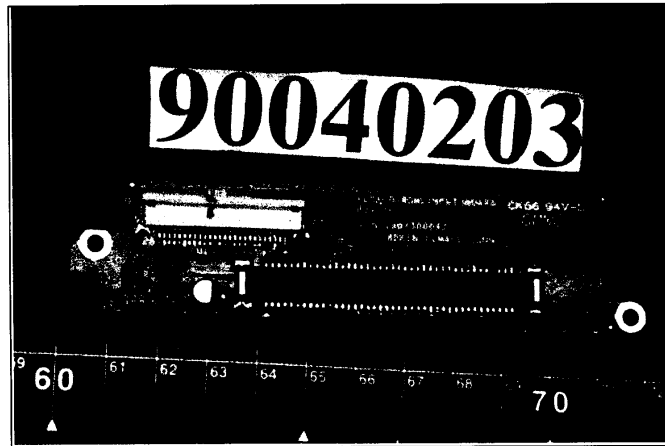




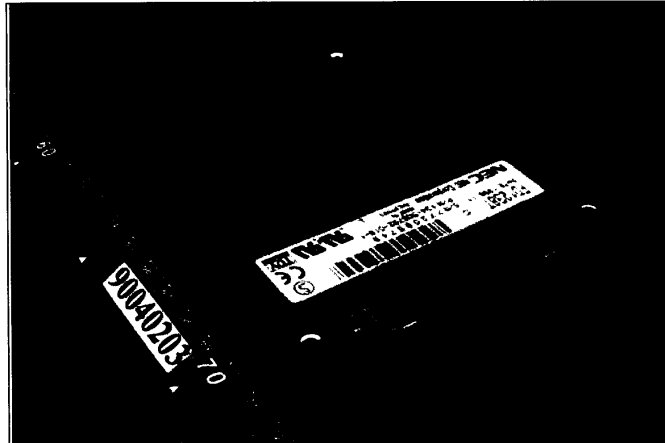


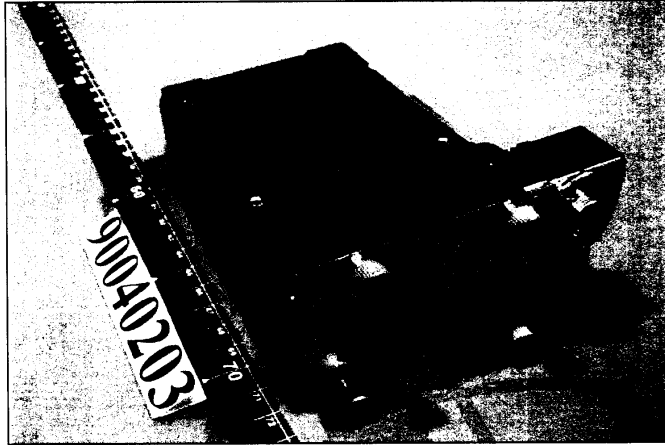


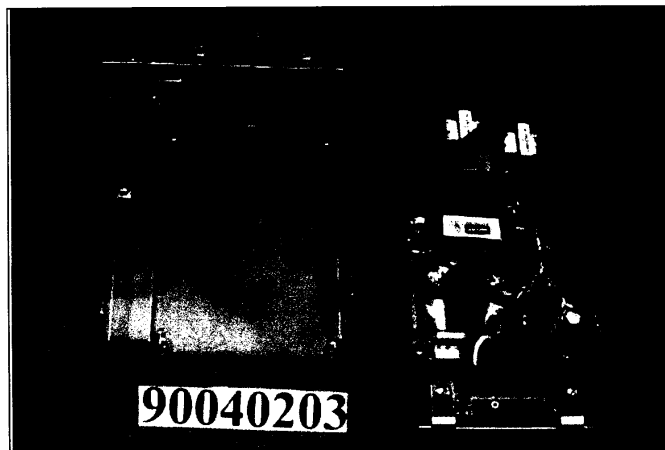
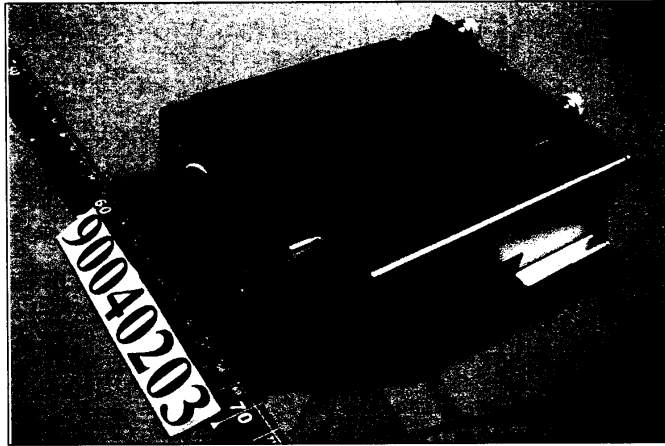


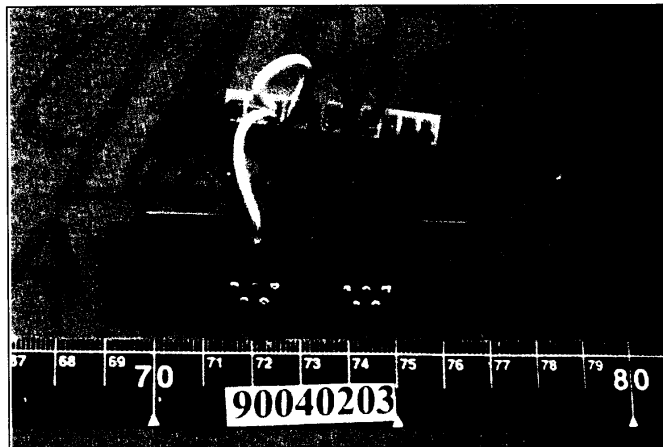
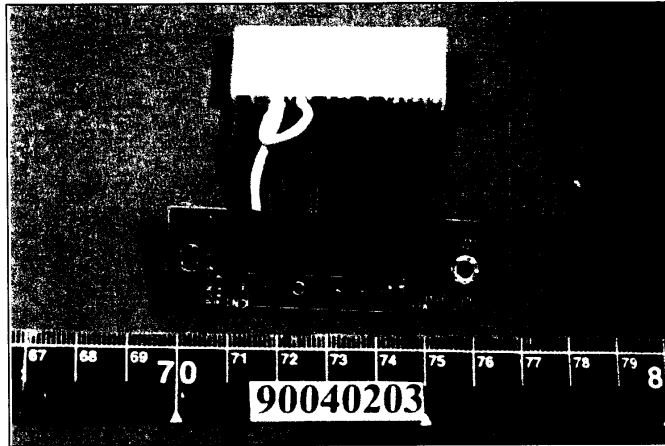


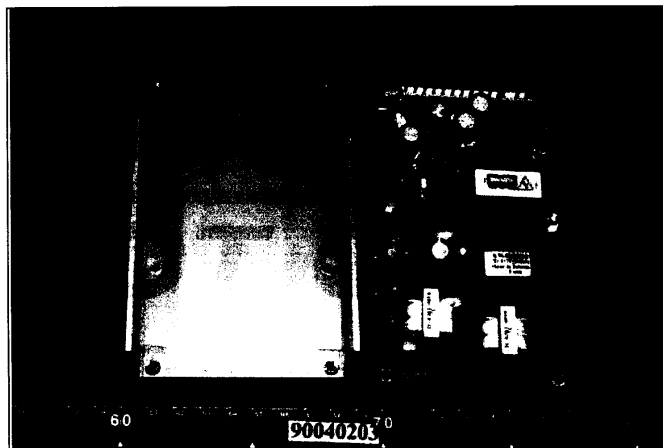
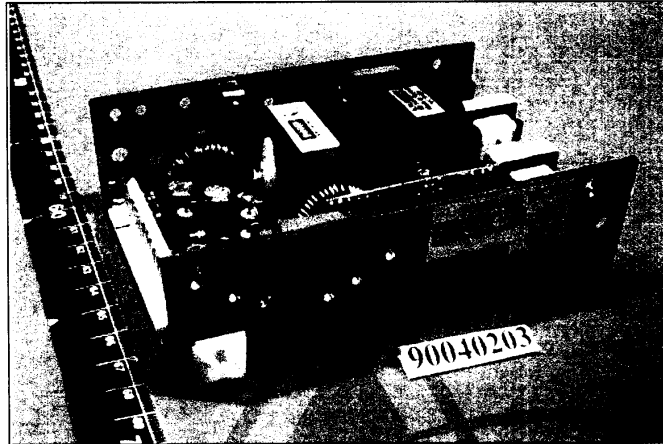


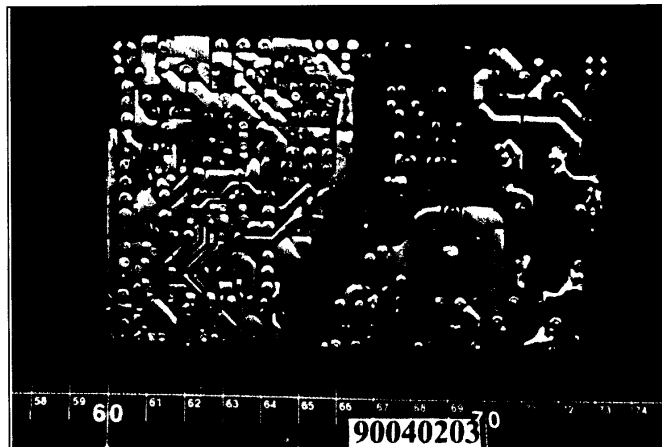
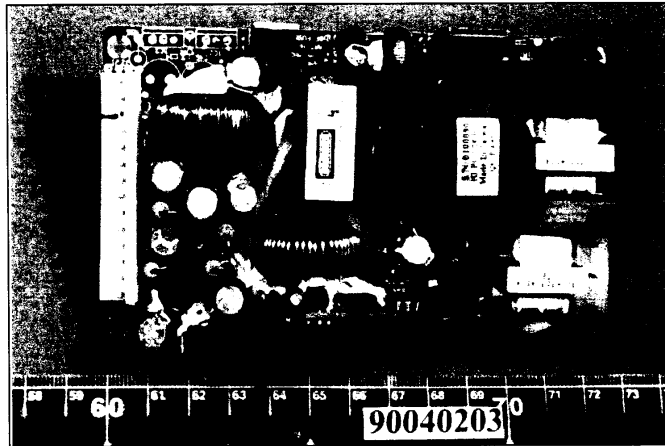


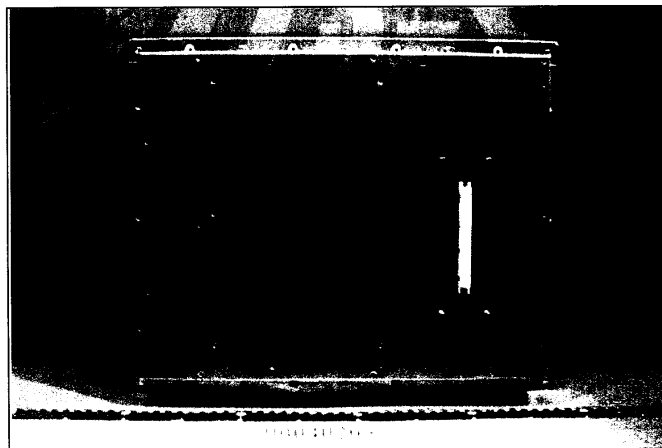
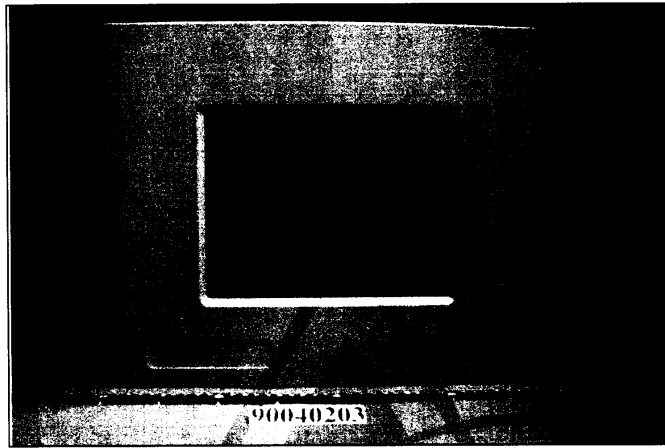


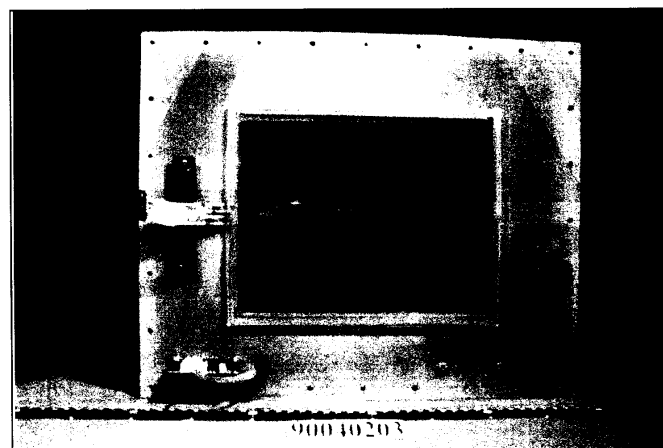
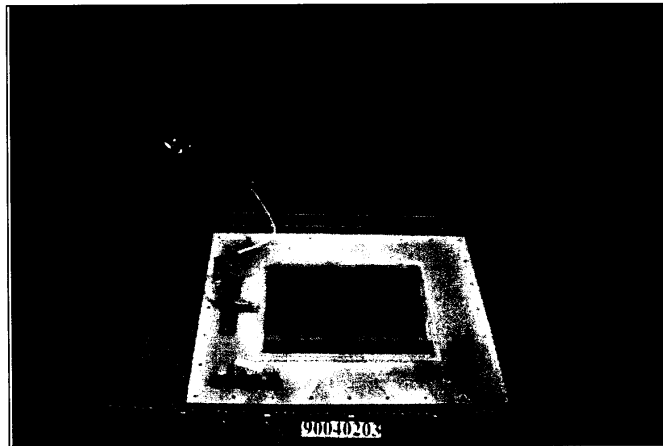




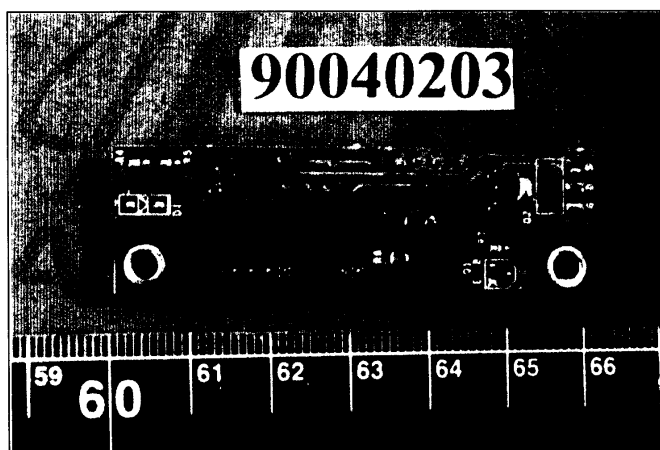
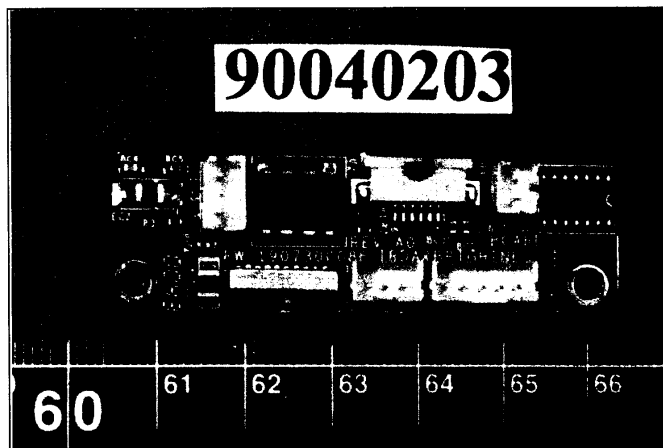


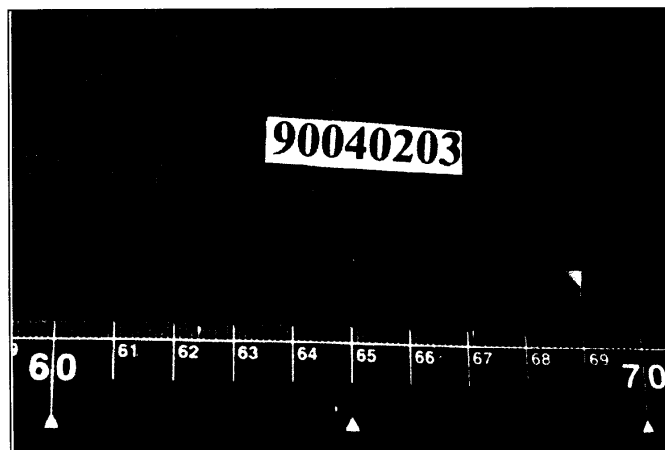
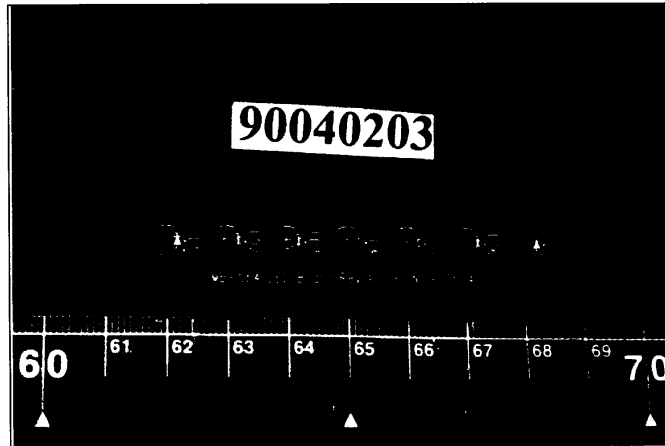


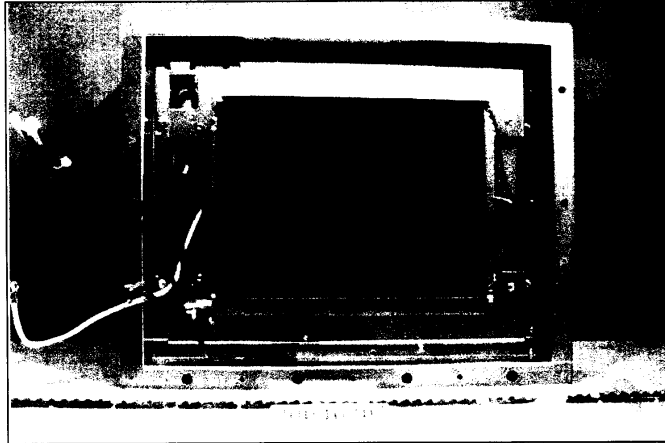


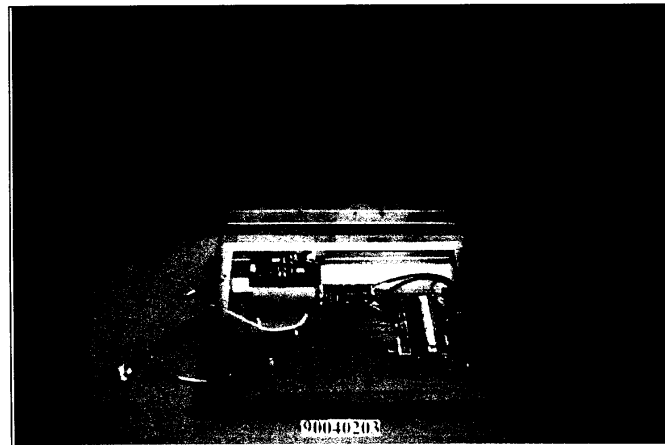
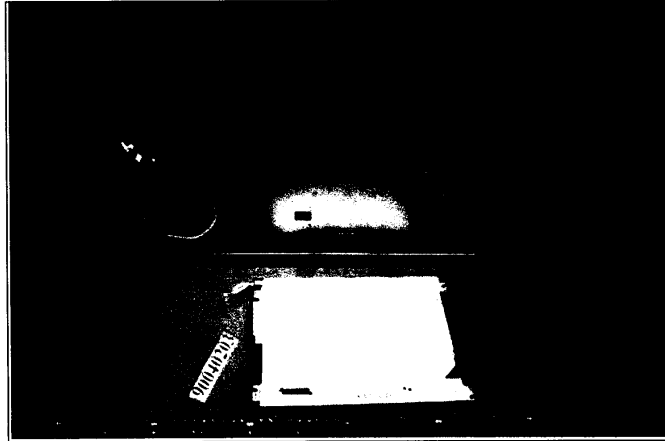


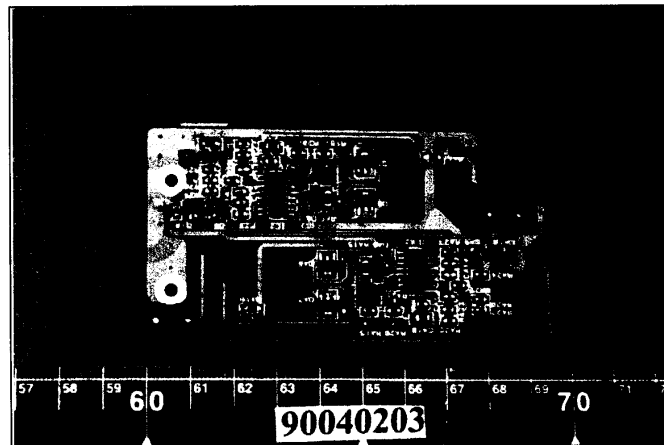
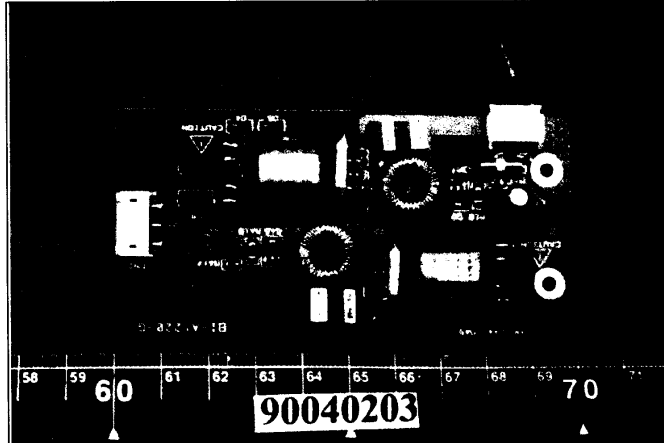


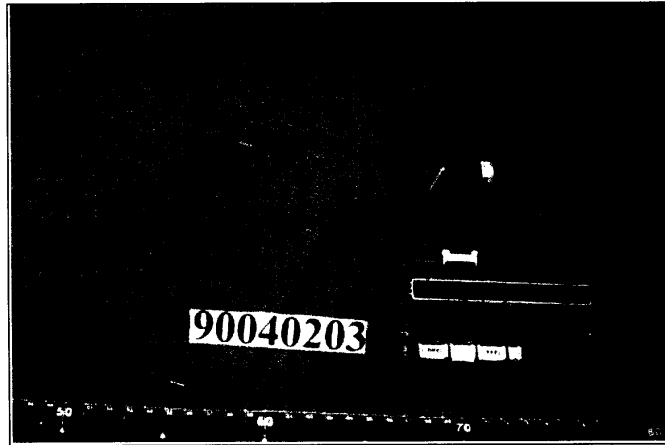


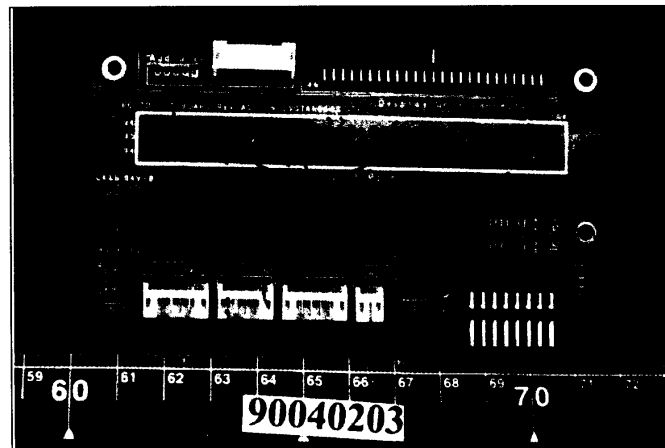
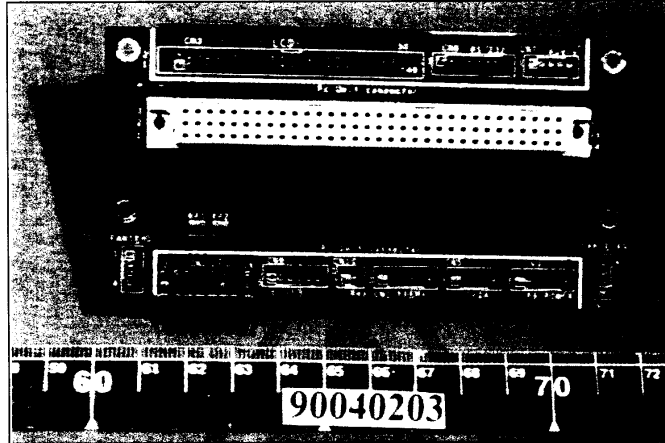


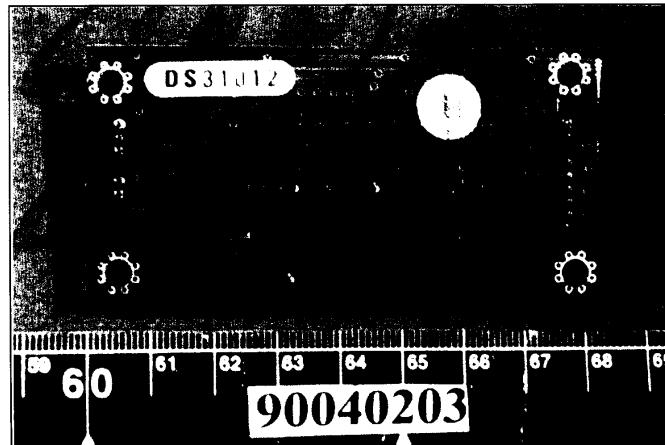
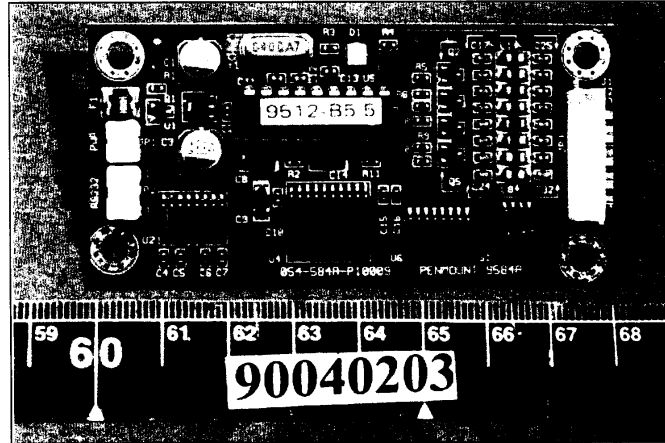


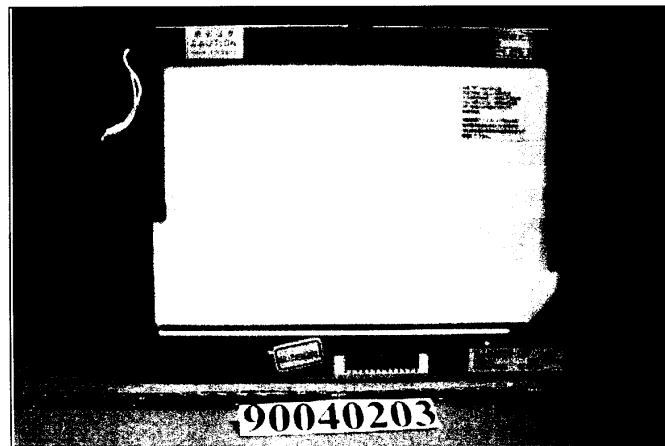
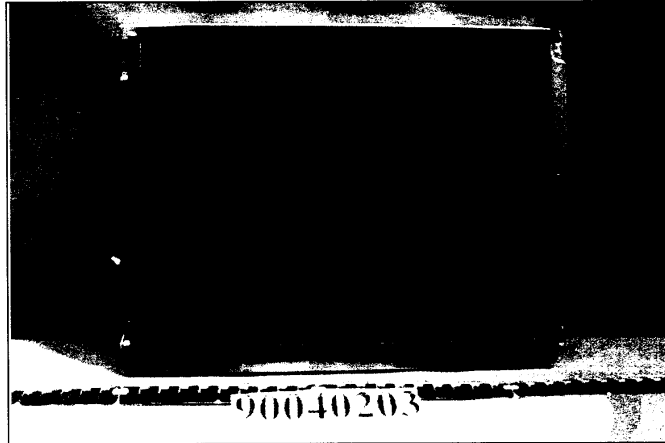






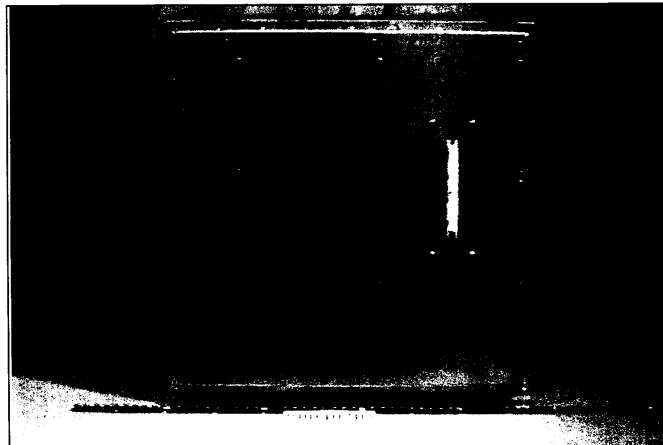
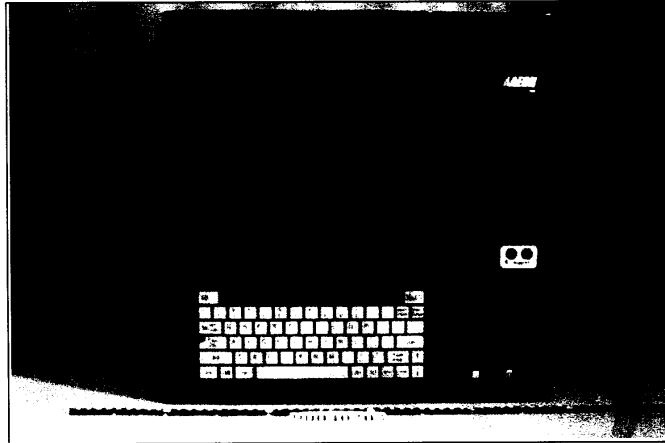


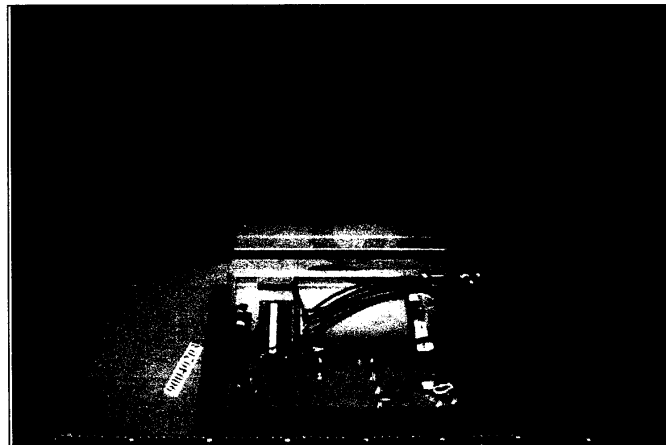
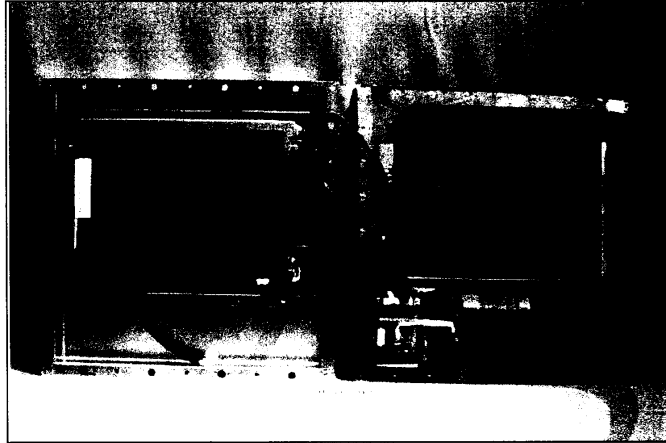


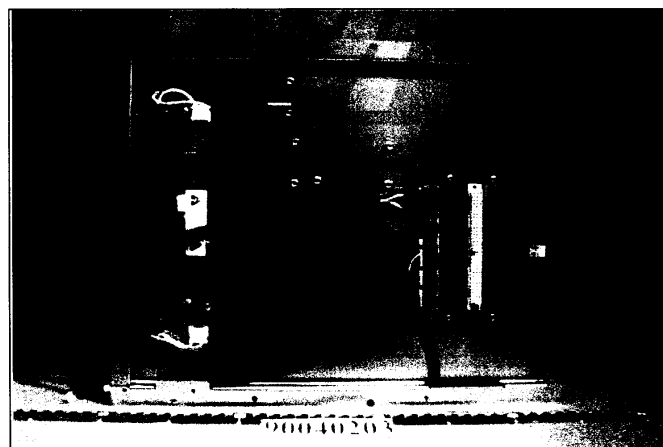
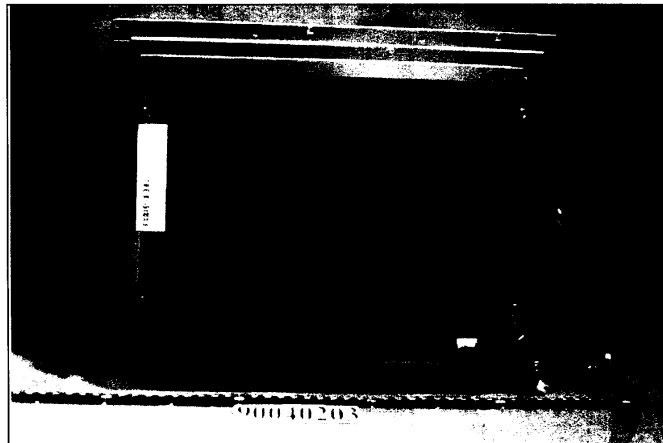


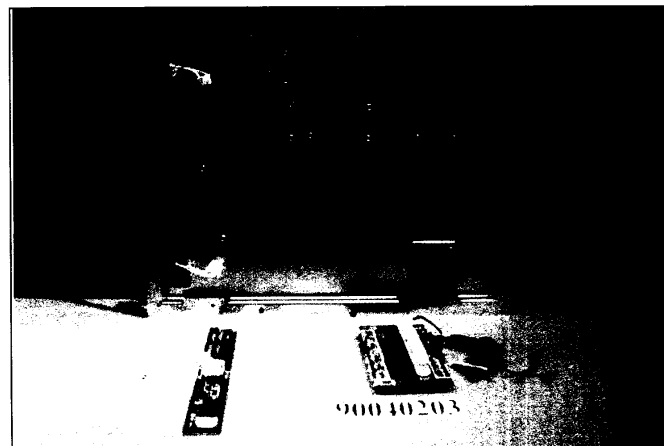
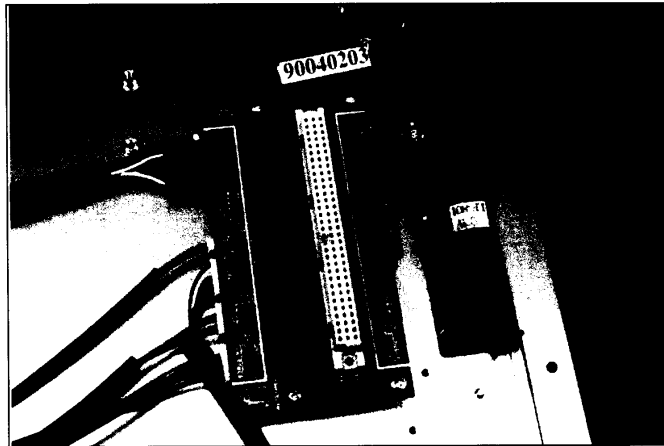


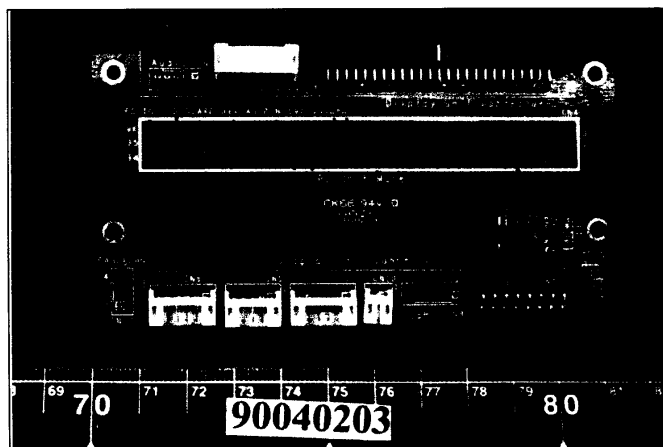
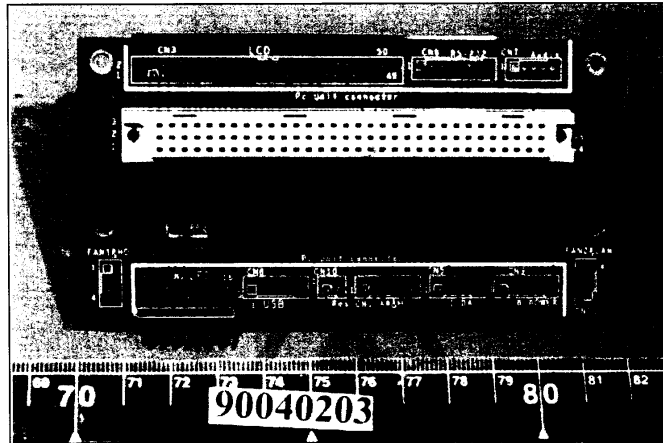
MODEL: G3-12AX-00

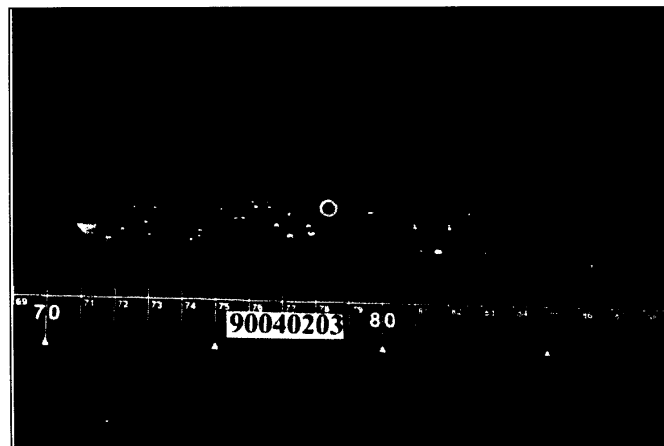
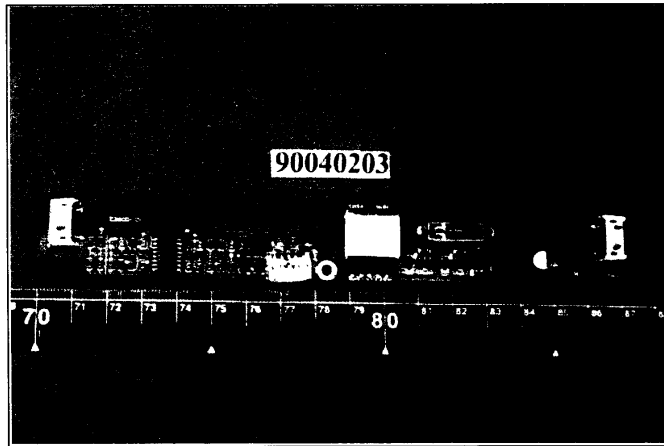


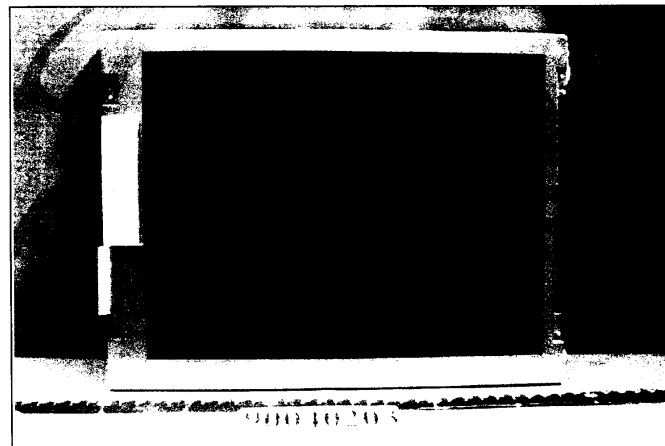
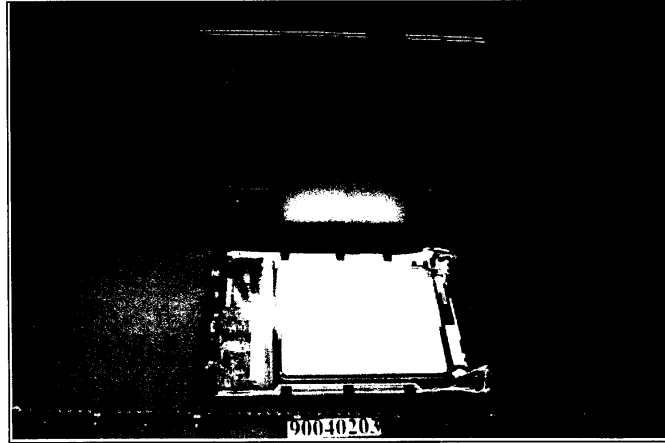


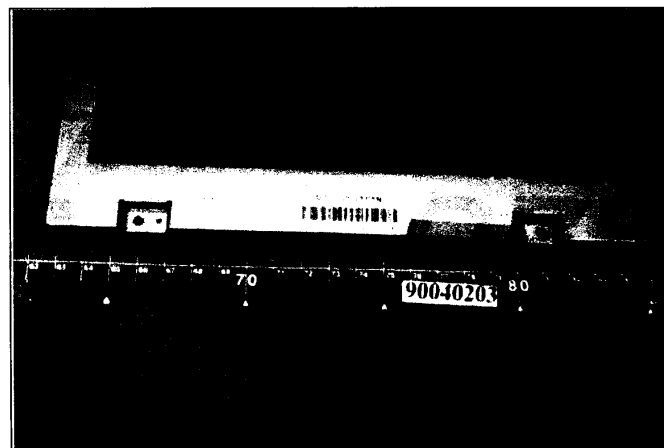
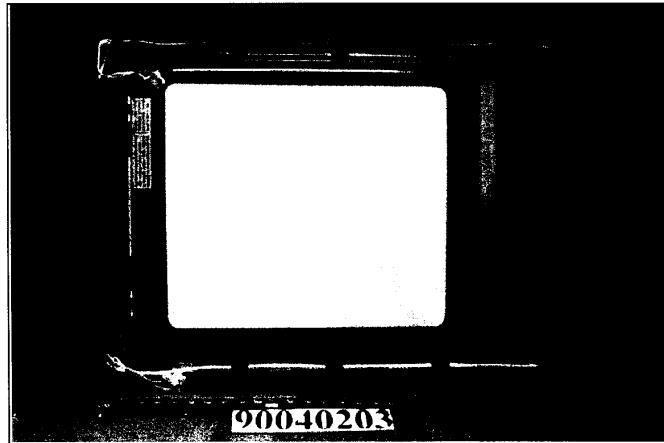


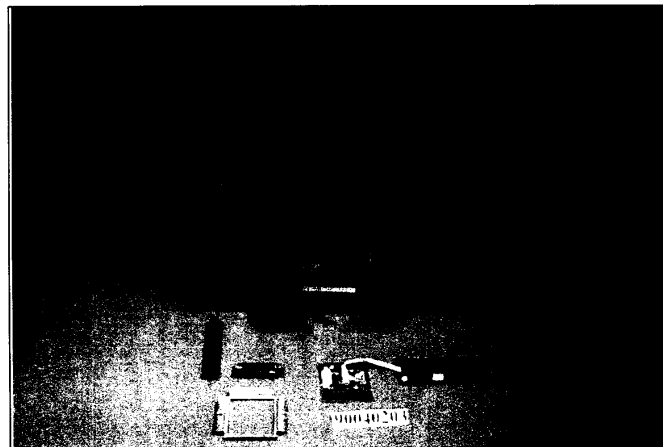
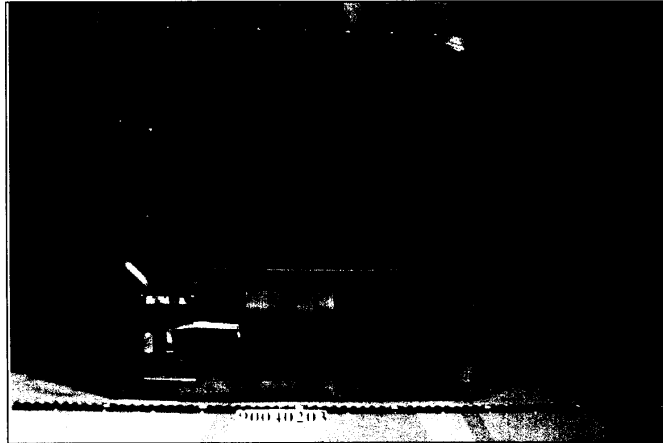


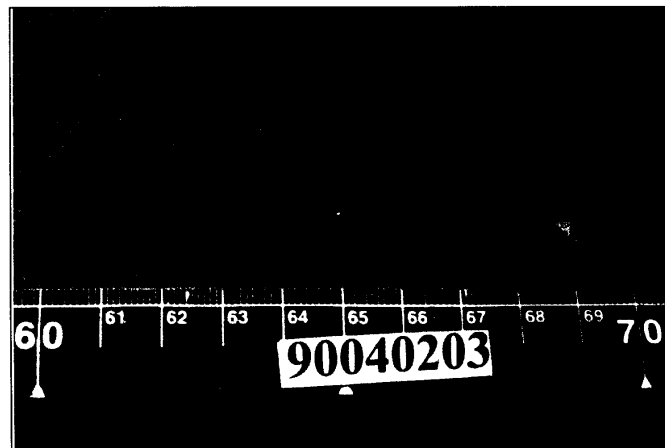
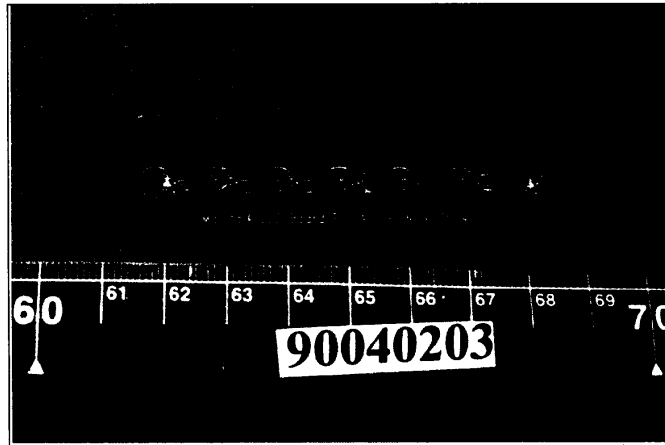


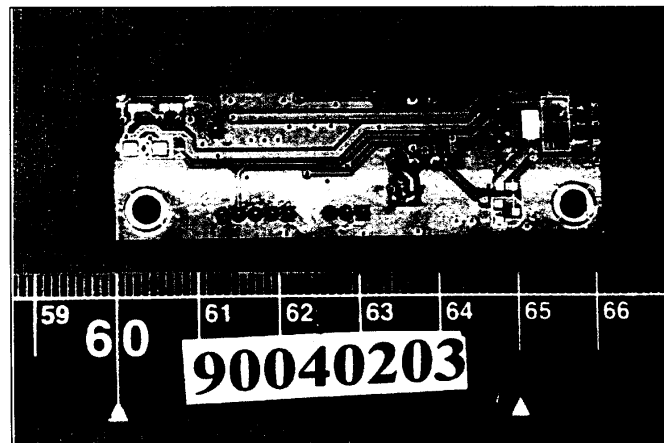
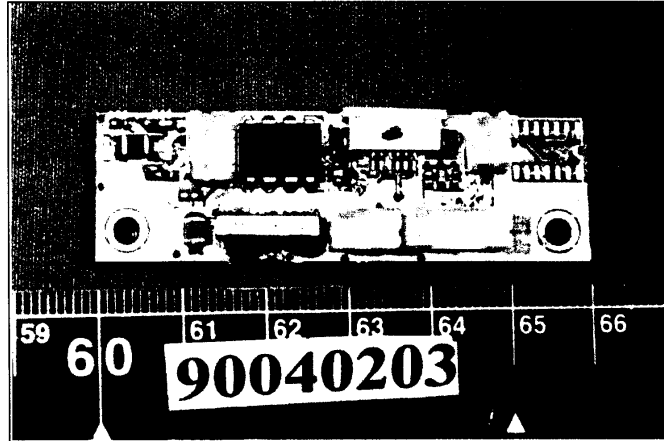


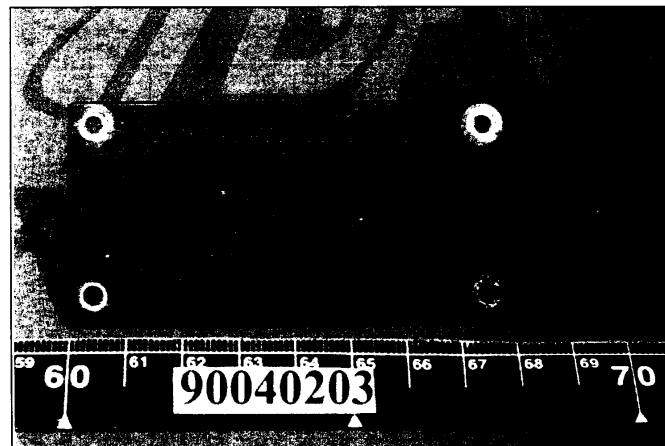
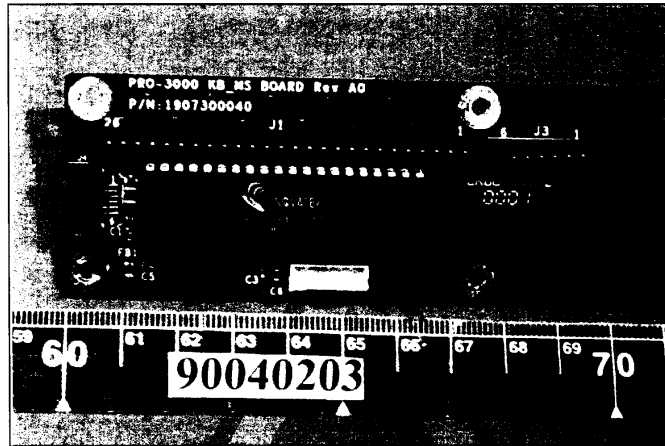


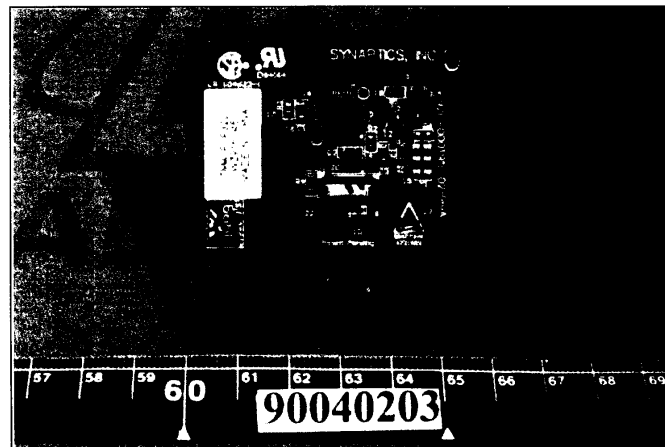
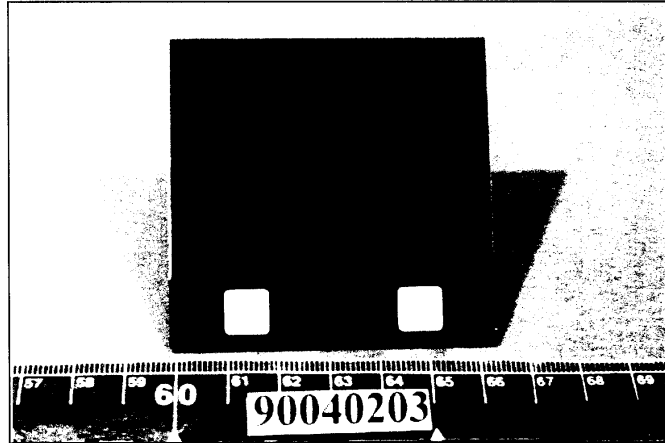


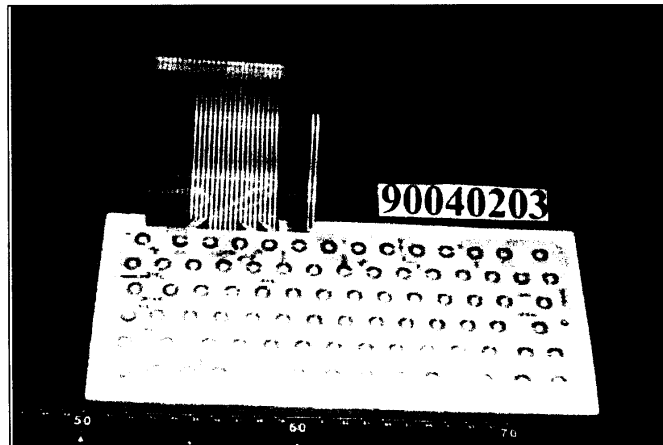
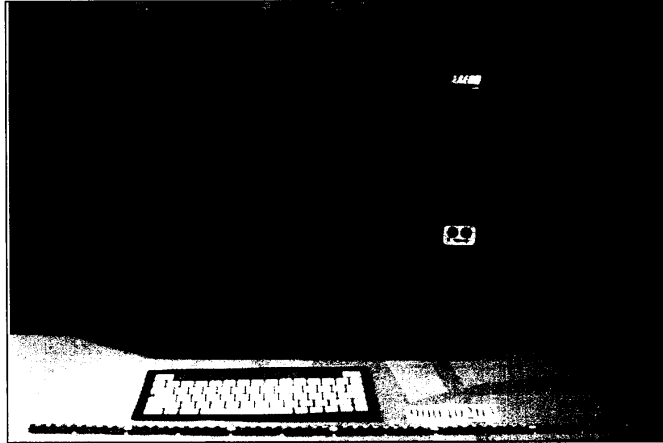














MODEL: G3-15AX-00

