SPORTON LAB.

Certificate No.: FD970104

CERTIFICATE OF COMPLIANCE

Authorized under Declaration of Conformity
according to
47 CFR,Part 2 and Part 15 of the FCC Rules

TAF
Testing Laboratory
1190

EQUIPMENT : Rugged Tablet Computer
MODEL NO. : RTC-1000
APPLICANT : AAEON Technology Inc.
5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City,
Taipei 231, Taiwan, R.O.C

SPORTON LAB.

I HEREBY **CERTIFY THAT:**

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN **ANSI C63.4 - 2003** AND THE ENERGY EMITTED BY THIS EQUIPMENT WAS **FCC Part 15 Subpart B** IN BOTH RADIATED AND CONDUCTED EMISSIONS **CLASS B** LIMITS.
THE TESTING WAS COMPLETED ON **Jul. 03, 2009**
AT **SPORTON INTERNATIONAL INC.** LAB.

Jones Chan July. 22. 2009

Jones Chan
Supervisor

FCC TEST REPORT

Authorized under **D**eclaration **o**f **C**onformity

according to

47 CFR FCC Rules and Regulations Part 15 Subpart B,
Class B Digital Device

Equipment : Rugged Tablet Computer

Model No. : RTC-1000

Trade Name : AAEON

Applicant : **AAEON Technology Inc.**
5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei 231, Taiwan, R.O.C

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

Table of Contents

History of this test report

Original Report Issue Date: Jul. 09, 2009

Report No.	Issue Date	Description

Certificate No. : FD970104

CERTIFICATE OF COMPLIANCE

Authorized under **D**eclaration **o**f **C**onformity

according to

47 CFR FCC Rules and Regulations Part 15 Subpart B,
Class B Digital Device

Equipment : Rugged Tablet Computer

Model No. : RTC-1000

Trade Name : AAEON

Applicant : **AAEON Technology Inc.**
5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei 231, Taiwan, R.O.C

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4 - 2003** and the energy emitted by this equipment was ***passed*** **FCC Part 15 Subpart B in** both Radiated and Conducted emission **Class B** limits. Testing was carried out on **Jul. 03, 2009** at **SPORTON International Inc.** LAB.

Jones Chan
Supervisor

July. 23. 2009

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

1. General Description of Equipment under Test

1.1 Applicant

AAEON Technology Inc.

5F, No. 135, Lane 235, Pao Chiao Rd., Hsin-Tien City, Taipei 231, Taiwan, R.O.C

1.2 Manufacturer

Same as 1.1.

1.3 Basic Description of Equipment under Test

Equipment	:	Rugged Tablet Computer
Model No.	:	RTC-1000
Trade Name	:	AAEON
MiniUSB to USB	:	Double-Shielded, 1.8m
RJ11 Cable	:	Non-Shielded, 10m
RJ45 Cable	:	Double-Shielded, 10m
Power Supply Type	:	Switching
AC Power Cord	:	Non-Shielded, 1.8m, 3 pin
DC Power Cable	:	Non-Shielded, 1.8m, 2 pin (with a core)

1.4 Feature of Equipment under Test

Display	TFT LCD 10.2" WSVGA (1024X600).18Bits, with touch screen panel, standard 220 nits.
Mother Board	A1 Version: Intel® Core Duo ULV 1.2Ghz (U2500) CPU on board A0 Version: Intel® Atom N270 1.6Ghz CPU on board
Memory	Support up to 2G DDRII 667 RAM (Factory Optional)
Storage	2.5" 9.5mm height HDD (SATA) 80/100/120GB , SSD(Optional)
Expansion	PCMCIA, CF
Bio-Tech Security	Finger Print
I/O	Two USB 2.0 Two Audio In /Out Jack for Microphone/ Earphone One DC-In Jack One RJ-11 jack for 56kbps V.92/K56 flex modem One RJ-45 jack for 10/100/100 LAN One RS232 One Mini USB port One Reset Button One RF On/Off Button Two Internal Mini-Card Slots
Wireless/Communications	Internal 56K V.92 Fax/Modem/Internal Giga bit Ethernet LAN Qcom Q802XKG Wireless mini-card (802.11b/g) Bluetooth EDR2.0 (optional)
Others	Numeric Keypad & Programmable Key Function

2. Test Configuration of Equipment under Test

2.1 Test Manner

a. The EUT has been associated and peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner, which tended to maximize its emission characteristics in a typical application.

b. The complete test system included remote workstation, Bestkept External HD Case, ACEEX Modem, Microsoft Mouse, IBM Keyboard, PowerSync Mic+Earphone, SanDisk CF Card, Billionton CF Adapter, and EUT for EMI test. The remote workstation Sony Ericsson Bluetooth Handset, Edimax AP, EASYSWITCH Central Office and DELL Notebook.

c. The following test modes were for Conducted test:

Mode 1. LAN 1Gbps : LCD 1024 x 600, 60Hz

Mode 2. LAN 1Gbps : LCD 800 x 600, 60Hz

For conduction, cause “mode 2” generated the worst test result, it was reported as final data.

d. The following test modes were for Radiated test:

Mode 1. LAN 1Gbps : LCD 1024 x 600, 60Hz

Mode 2. LAN 1Gbps : LCD 800 x 600, 60Hz

For radiation, cause “mode 1” generated the worst test result, it was reported as final data.

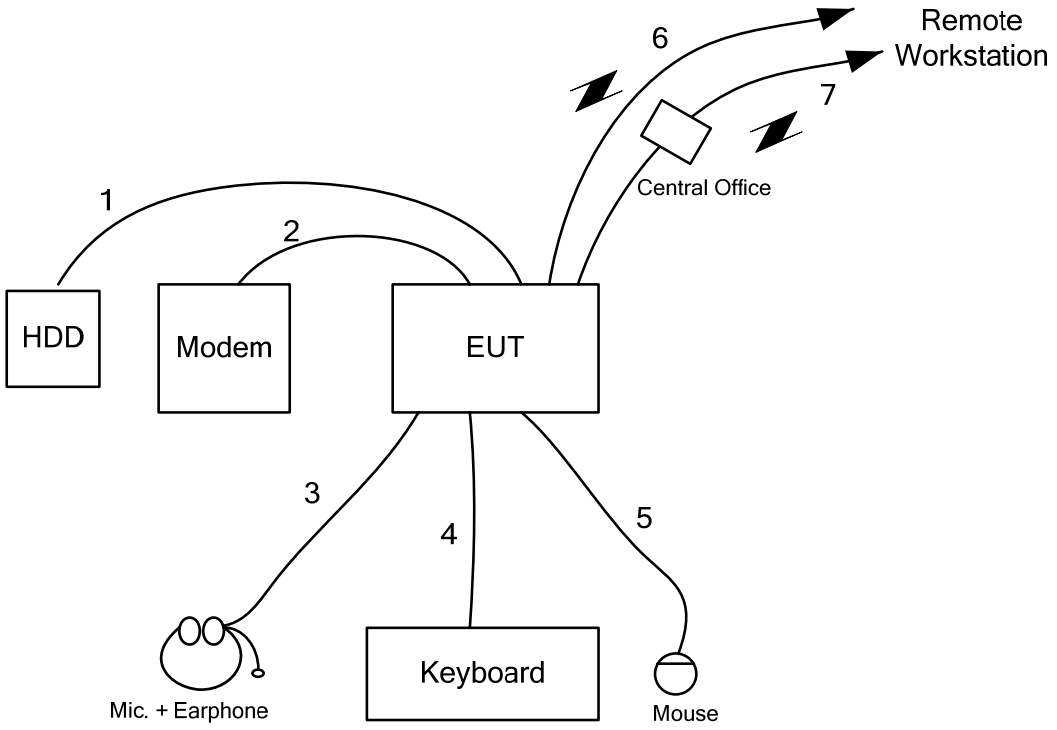
e. The following test modes were for radiated (1GHz / 5TH of harmonic CPU fundamental) final test:
Mode 1. 1-13GHz

f. Frequency range investigated: conduction 150 KHz to 30 MHz, radiation 30 MHz to 13,000MHz.

2.2 Description of Support Units

No.	Description	Manufacturer	Model	FCC ID	Signal Cable Description
1	External HD Case	Bestkept	F12-UF	DoC	USB Cable Braided-Shielded, 1.8m
2	Modem	ACEEX	DM1414	IFAXDM1414	Braided-Shielded, 1.15m
3	MIC.+ Earphone	PowerSync	MIC-03	---	Audio Cable Non-Shielded, 1.7m
4	PS/2 Keyboard	IBM	SK-8806	DoC	AL-F-Shielded, 1.8m
5	USB Mouse	Microsoft	1004	DoC	D-Shielded, 1.8m
6	CF Card	SanDisk	128M	---	---
7	CF Adapter	Billionton	Compact	---	---
8	Central Office (Remote Workstation)	EASYSWITCH	SMS-4 Plus	---	RJ11 Cable
9	Bluetooth Headset (Remote Workstation)	SONY Ericsson	HBH-PV702	DoC	---
10	AP (Remote Workstation)	EDIMAX	BR-6204Wg	DoC	---
11	Notebook PC (Remote Workstation)	DELL	D400	DoC	RJ45 Cable, D-Shielded , 10m

2.3 Connection Diagram of Test System



The support unit 6 was inserted into support unit 7 connected with EUT.

1. The USB cable is connected from EUT to the support unit 1.
2. The RJ45 cable is connected from EUT to the support unit 2.
3. The Audio cable is connected from EUT to the support unit 3.
4. The PS/2 cable is connected from EUT to the support unit 4.
5. The USB cable is connected from EUT to the support unit 5.
6. The RJ45 cable is connected from EUT to the remote workstation.
7. The RJ11 cable is connected from EUT to the remote workstation.

Note: Above support unit on behalf of the meaning, please refer to section 2.2 (EMI part).

3. Test Software

An executive program, " EMCTEST.EXE " under Win Embedded Standard, which generates a complete line of continuously repeating "H" pattern was used as the test software.

The program was executed as follows:
a. Turn on the power of all equipment.
b. The EUT reads the test program from the hard disk drive and runs it.
c. The EUT sends "H" messages to the external hard disk, and the hard disk reads and writes the message.
d. The Notebook sends "H" messages to the modem.
e. Repeat the steps from c to d.

At the same time, the following programs were executed:
- Executed “Media Player” to play music.
- Executed "Winthrax.exe" to link with the EUT to receive data from external HDD.
- Executed "WLAN" to link with the remote workstation to receive and transmit data by wireless LAN.
- Executed "Bluetooth" to link with the remote workstation to receive and transmit data by Bluetooth.
- Executed "Ping" to link with the remote workstation to receive and transmit data via RJ45 cable.
- Executed "Hyper Terminal" was executed to link with the remote workstation to receive and transmit data via RJ11 Cable.

4. General Information of Test

4.1 Test Facility

Test Site Location : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
TEL 886-3-327-3456
FAX 886-3-318-0055
Test Site No. : CO01-HY, 10CH02-HY

<1G-13G>
Test Site Location : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
TEL 886-3-327-3456
FAX 886-3-318-0055
Test Site No. : 03CH03-HY

4.2 Uncertainty of Test Site

Test Items	Test Site No.	Uncertainty	Remark
Conducted Emissions	CO01-HY	± 2.26dB	Confidence levels of 95%
Radiated Emissions (Below 1GHz)	10CH02-HY	± 2.82dB	Confidence levels of 95%
Radiated Emissions (Above 1GHz)	03CH03-HY	± 2.54dB	Confidence levels of 95%

4.3 Test Voltage

120V / 60Hz

4.4 Standard for Methods of Measurement

ANSI C63.4-2003

4.5 Test in Compliance with

FCC Rules and Regulations Part 15 Subpart B

4.6 Frequency Range Investigated

a. Conduction: from 150 kHz to 30 MHz
b. Radiation: from 30 MHz to 13GHz

4.7 Test Distance

a. The test distance of radiated emission from antenna to EUT is 10 M(from 30MHz ~ 1000MHz).
b. The test distance of radiated emission from antenna to EUT is 3 M (from 1GHz ~ 13GHz).

5. Test of Conducted Powerline

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 5.3. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

5.1 Major Measuring Instruments

- Test Receiver (R&S ESCS 30)

Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

5.2 Test Procedures

a. The EUT was placed on a desk 0.8 meters height from the metal ground plane and 0.4 meter from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.

b. Connect EUT to the power mains through a line impedance stabilization network (LISN).

c. All the support units are connect to the other LISN.

d. The LISN provides 50 ohm coupling impedance for the measuring instrument.

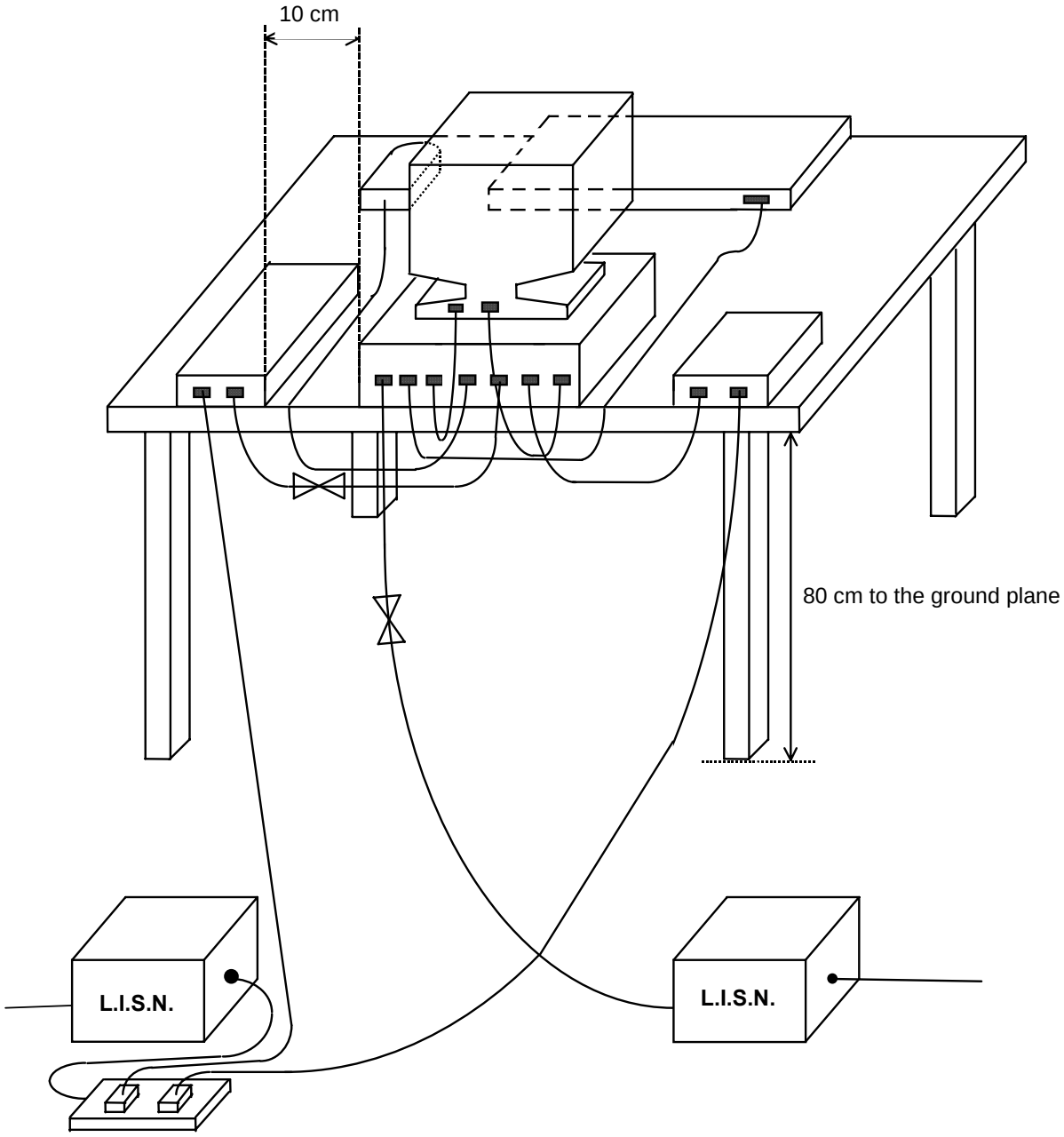
e. The CISPR states that a 50 ohm , 50 microhenry LISN should be used.

f. Both sides of AC line were checked for maximum conducted interference.

g. The frequency range from 150 kHz to 30 MHz was searched.

h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

5.3 Typical Test Setup Layout of Conducted Powerline

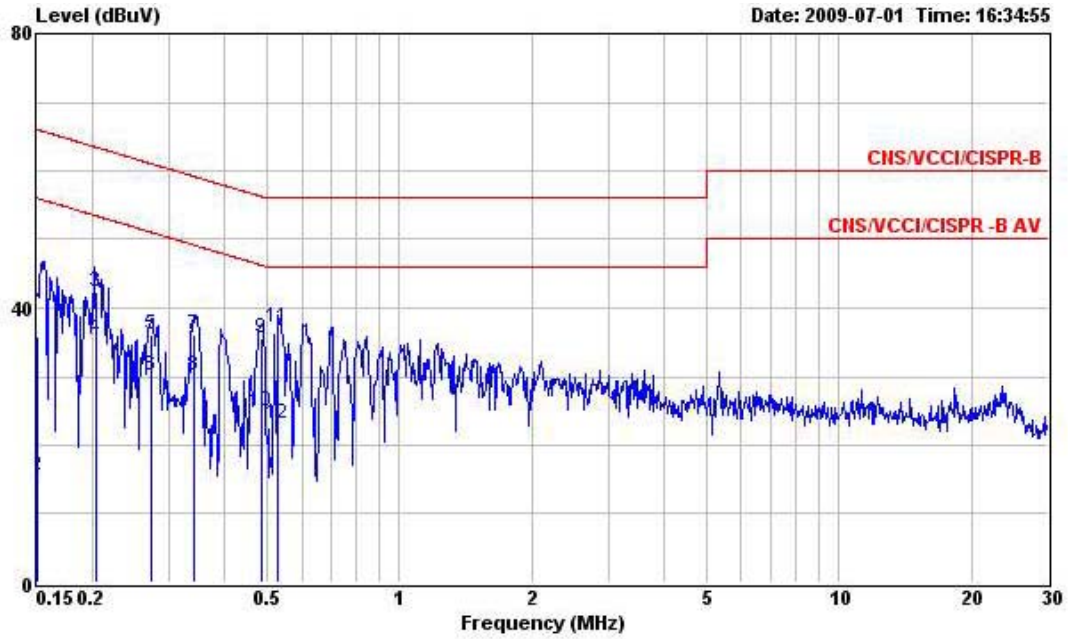


5.4 Test Result of AC Powerline Conducted Emission

Configuration	Mode 2	Temperature	27.5℃
Test Engineer	Ken Chung	Humidity	54%

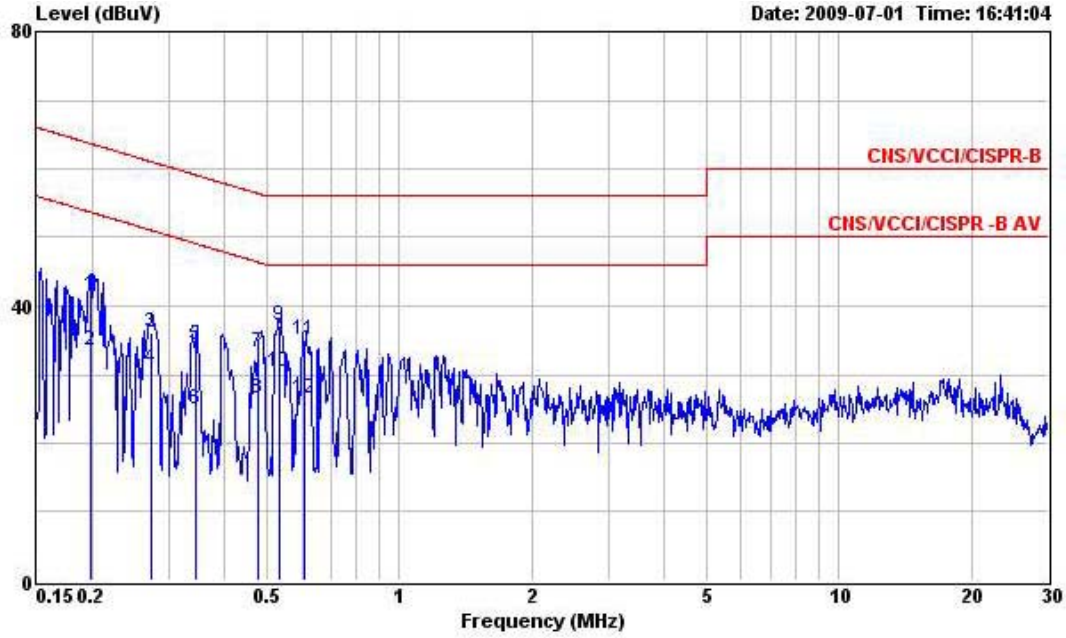
Note: Corrected Reading (dBμV) = Probe Factor + Cable Loss + Read Level = Level

■ **The test was passed at the minimum margin that marked by the frame in the following data**



Site : CO01-HY
Condition : CNS/VCCI/CISPR-B LISN 2001/004 LINE
EUT : Rugged Tablet Computer
Power : 120V/60Hz
Model : RTC-1000
Memo : LCD 800*600 60Hz
Memo : LAN 1Gbps
Memo :
Memo :

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	35.89	-30.11	66.00	35.80	0.08	0.01	QP
2	0.150	15.46	-40.54	56.00	15.37	0.08	0.01	Average
3	0.204	42.38	-21.07	63.45	42.28	0.08	0.02	QP
4	0.204	35.67	-17.78	53.45	35.57	0.08	0.02	Average
5	0.273	36.16	-24.86	61.02	36.04	0.08	0.04	QP
6	0.273	30.10	-20.92	51.02	29.98	0.08	0.04	Average
7	0.341	36.15	-23.03	59.18	36.01	0.09	0.05	QP
8	0.341	30.06	-19.12	49.18	29.92	0.09	0.05	Average
9	0.486	35.69	-20.55	56.24	35.54	0.09	0.06	QP
10	0.486	24.81	-21.43	46.24	24.66	0.09	0.06	Average
11	0.529	37.15	-18.85	56.00	37.00	0.10	0.05	QP
12	0.529	23.15	-22.85	46.00	23.00	0.10	0.05	Average



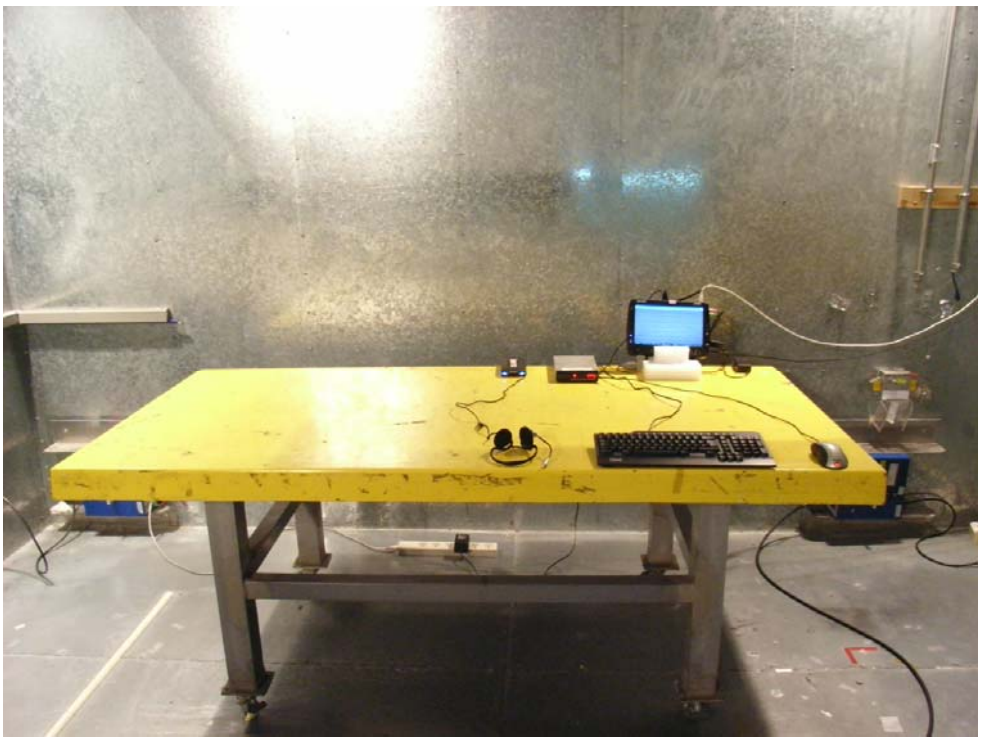
Site : CO01-HY
Condition : CNS/VCCI/CISPR-B LISN 2001/004 NEUTRAL
EUT : Rugged Tablet Computer
Power : 120V/60Hz
Model : RTC-1000
Memo : LCD 800*600 60Hz
Memo : LAN 1Gbps
Memo :
Memo :

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.199	41.55	-22.09	63.64	41.47	0.06	0.02	QP
2	0.199	33.41	-20.23	53.64	33.33	0.06	0.02	Average
3	0.273	36.18	-24.85	61.03	36.08	0.06	0.04	QP
4	0.273	30.87	-20.16	51.03	30.77	0.06	0.04	Average
5	0.345	34.18	-24.91	59.09	34.06	0.07	0.05	QP
6	0.345	24.94	-24.15	49.09	24.82	0.07	0.05	Average
7	0.479	33.17	-23.19	56.36	33.04	0.07	0.06	QP
8	0.479	26.56	-19.80	46.36	26.43	0.07	0.06	Average
9	0.533	37.02	-18.98	56.00	36.89	0.08	0.05	QP
10	0.533	30.30	-15.70	46.00	30.17	0.08	0.05	Average
11	0.608	35.19	-20.81	56.00	35.06	0.08	0.05	QP
12	0.608	26.60	-19.40	46.00	26.47	0.08	0.05	Average

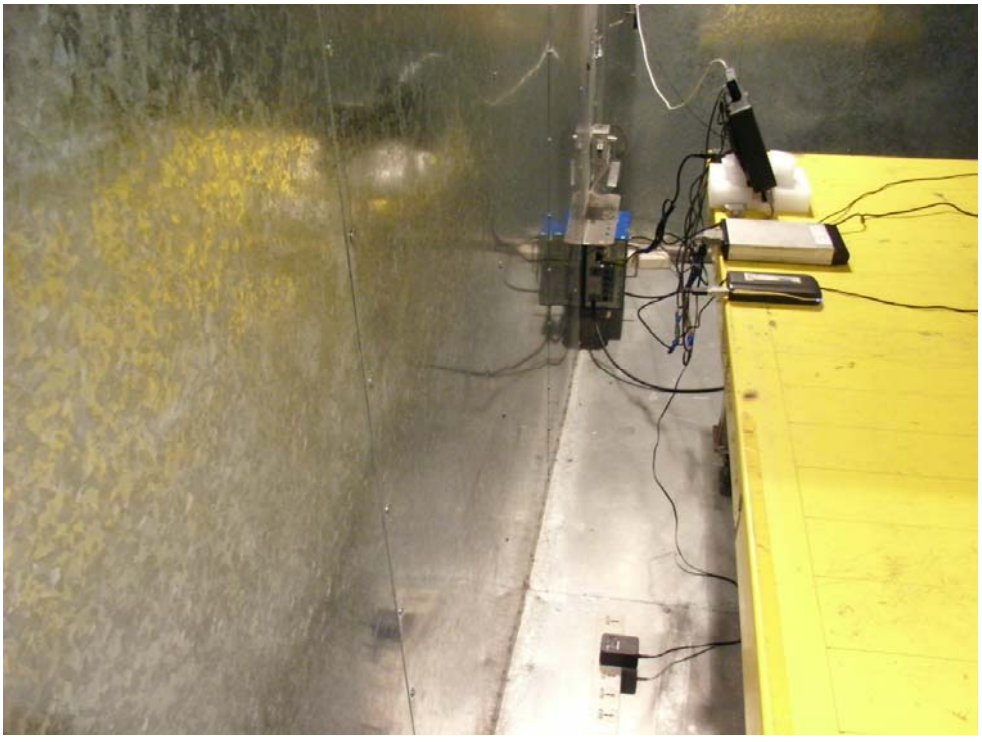
5.5 Photographs of Conducted Powerline Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW



6. Test of Radiated Emission

Radiated emissions from 30 MHz to 13,000 MHz were measured with a bandwidth of 120 kHz for 30 MHz to 1000 MHz and 1 MHz for above 1GHz according to the methods defines in ANSI C63.4-2003. The EUT was placed on a nonmetallic stand, 0.8 meter above the ground plane, as shown in section 6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

6.1 Major Measuring Instruments

6.1.1 from 30MHz to 1GHz

- Amplifier (HP 8447D)
  RF Gain 25 dB
  Signal Input 100 kHz to 1.3GHz

- Spectrum Analyzer (R&S FSP7)
  Attenuation 10 dB
  Start Frequency 30 MHz
  Stop Frequency 1000 MHz
  Resolution Bandwidth 120 KHz
  Signal Input 9 KHz to 7 GHz

- Spectrum Analyzer (R&S ESI7)
  Attenuation 10 dB
  Start Frequency 30 MHz
  Stop Frequency 2000 MHz
  Resolution Bandwidth 120 KHz
  Signal Input 20 Hz to 7 GHz

6.1.2 from 1GHz to 13GHz

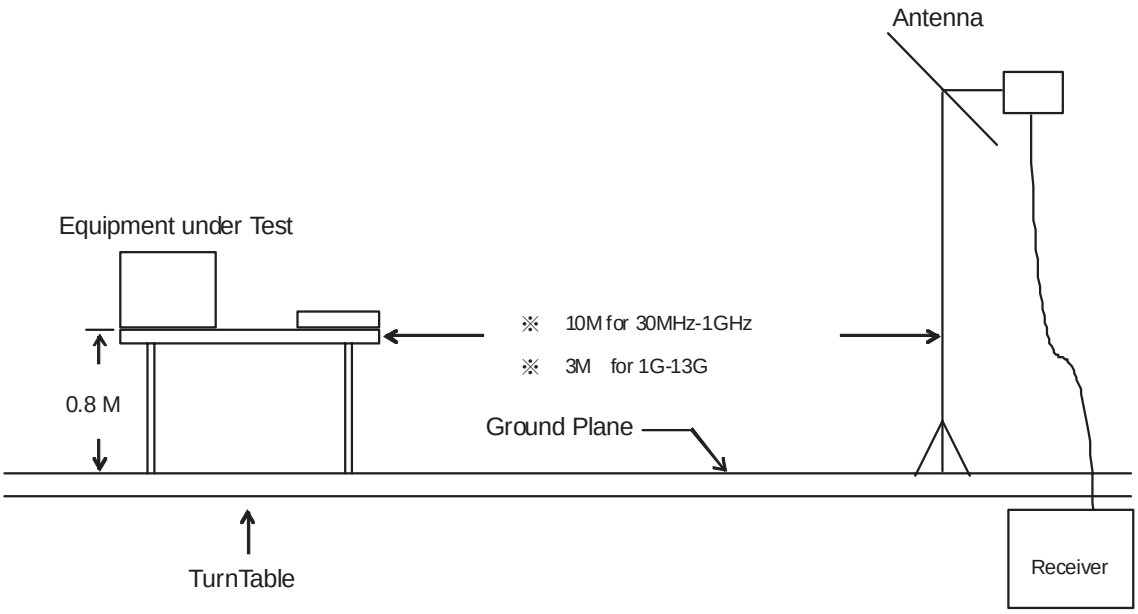
- Amplifier (Agilent 8449B)
  RF Gain 35 dB
  Signal Input 1 GHz - 26.5 GHz

- Spectrum Analyzer (R&S FSP40)
  Attenuation 10 dB
  Start Frequency 1 GHz
  Stop Frequency 18 GHz
  Resolution Bandwidth 1 MHz
  Video Bandwidth 3 MHz
  Signal Input 9 kHz - 40 GHz

6.2 Test Procedures

a. The EUT was placed on a rotatable table top 0.8 meter above ground.
b. The EUT was set 3/10 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
c. The table was rotated 360 degrees to determine the position of the highest radiation.
d. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
f. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

6.3 Typical Test Setup Layout of Radiated Emission



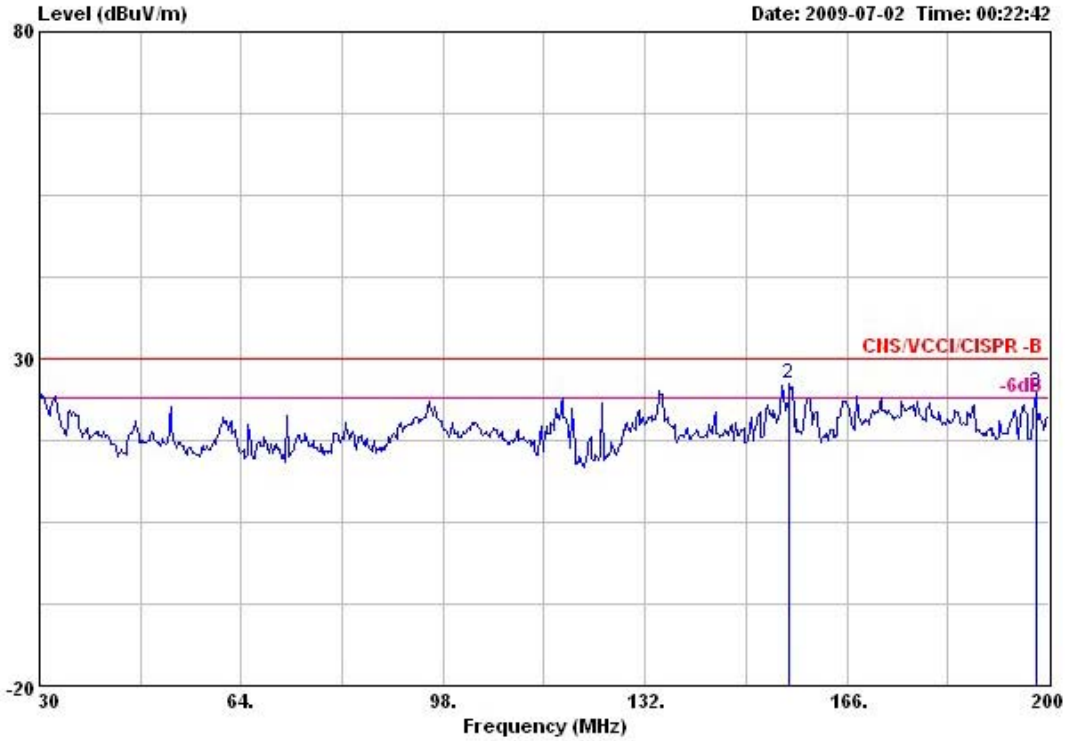
6.4 Test Result of Radiated Emission

Frequency Range of Test	from 30 MHz to 1,000 MHz	Test Distance	10m
Test Mode	Mode 1	Temperature	25℃
Test Engineer	Kobe Wu	Humidity	54%

Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)

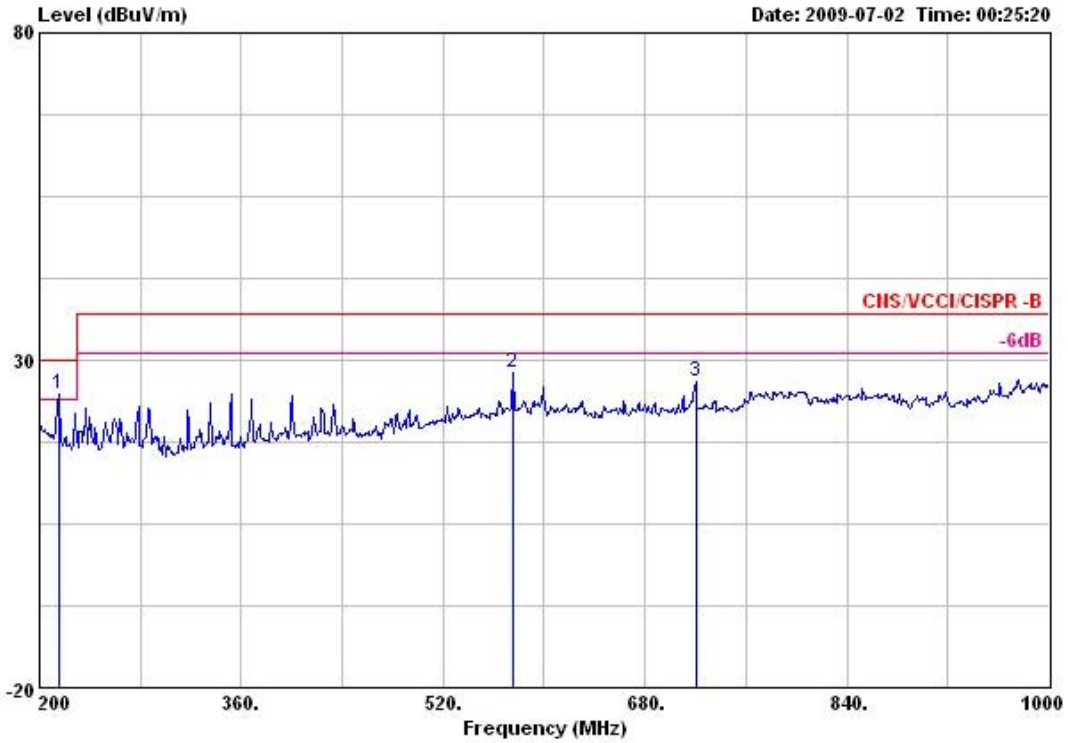
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

■ The test was passed at the minimum margin that marked by the frame in the following data



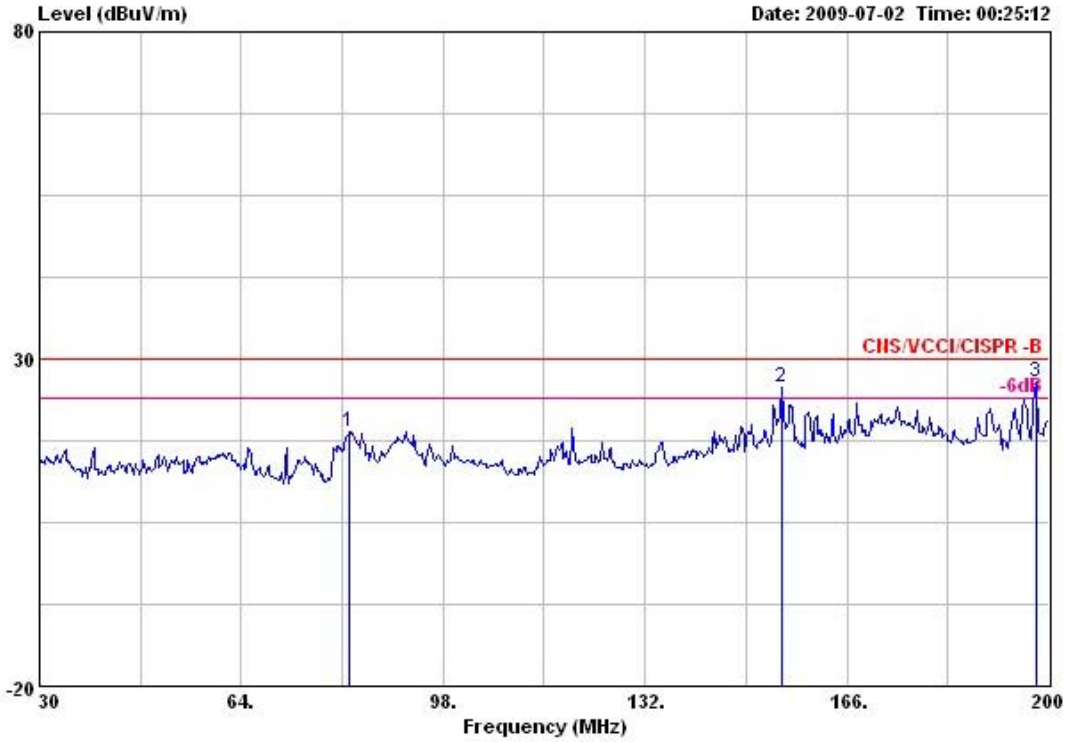
Site : 10CH02-HY
Condition : CNS/VCCI/CISPR -B 10m BICO-VHBB9124 VERTICAL
EUT : Rugged Tablet Computer
POWER: 120V/60Hz
MODEL : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO : LAN 1G
MEMO : FULL SYSTEM

	Freq	Level	Over Limit	Limit Line	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB/m		cm	deg
1 @	30.000	25.09	-4.91	30.00	37.93	28.35	1.60	13.91	Peak	---	---
2 @	156.310	26.17	-3.83	30.00	37.56	27.82	3.45	12.98	Peak	100	0
3 @	197.790	24.81	-5.19	30.00	32.79	27.61	4.43	15.20	Peak	---	---



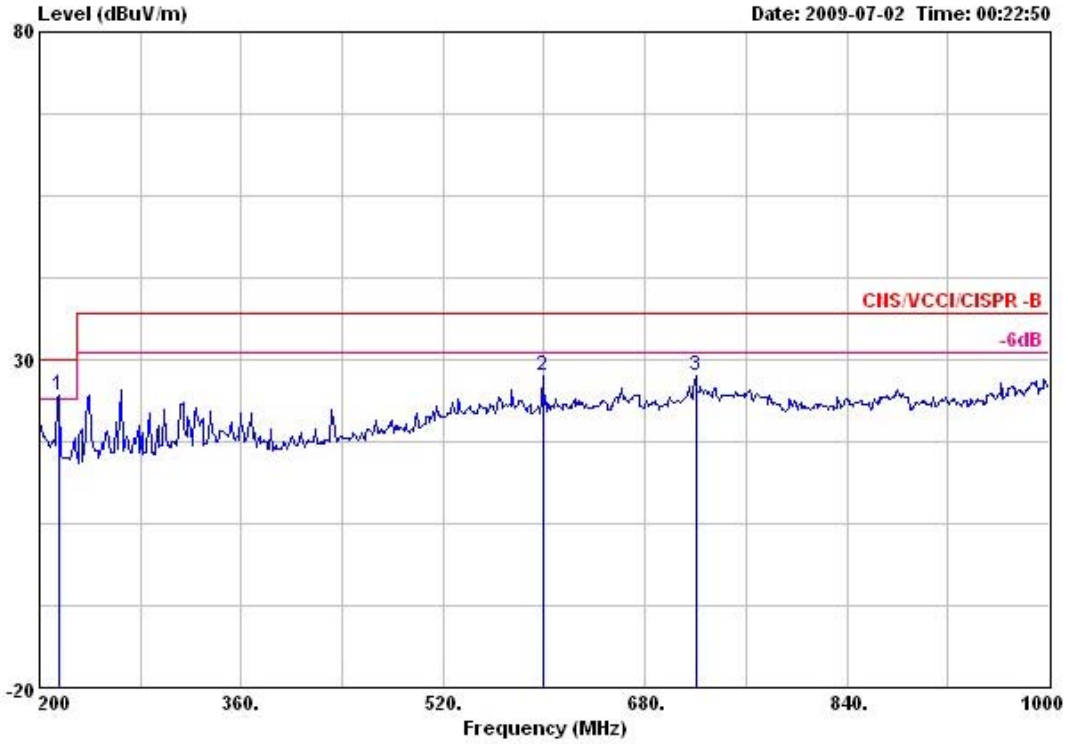
Site : 10CH02-HY
Condition : CNS/VCCI/CISPR -B 10m LOG-9111-207 VERTICAL
EUT : Rugged Tablet Computer
POWER: 120V/60Hz
MODEL : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO : LAN 1G
MEMO : FULL SYSTEM

	Freq	Level	Over Limit	Limit Line	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB/m		cm	deg
1 @	215.200	24.71	-5.29	30.00	34.63	27.53	3.15	14.46	Peak	---	---
2	576.000	28.00	-9.00	37.00	32.01	28.50	4.76	19.73	Peak	---	---
3	720.000	26.69	-10.31	37.00	29.49	28.26	5.16	20.30	Peak	---	---



Site : 10CH02-HY
Condition : CNS/VCCI/CISPR -B 10m BICO-VHBB9124 HORIZONTAL
EUT : Rugged Tablet Computer
POWER: 120V/60Hz
MODEL : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO : LAN 1G
MEMO : FULL SYSTEM

	Freq	Level	Over Limit	Limit Line	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB/m		cm	deg
1	82.190	18.82	-11.18	30.00	35.64	28.17	2.67	8.68	Peak	---	---
2 @	154.950	25.78	-4.22	30.00	37.33	27.83	3.43	12.85	Peak	---	---
3 @	197.790	26.53	-3.47	30.00	34.51	27.61	4.43	15.20	Peak	400	0



Site : 10CH02-HY
Condition : CNS/VCCI/CISPR -B 10m LOG-9111-207 HORIZONTAL
EUT : Rugged Tablet Computer
POWER: 120V/60Hz
MODEL : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO : LAN 1G
MEMO : FULL SYSTEM

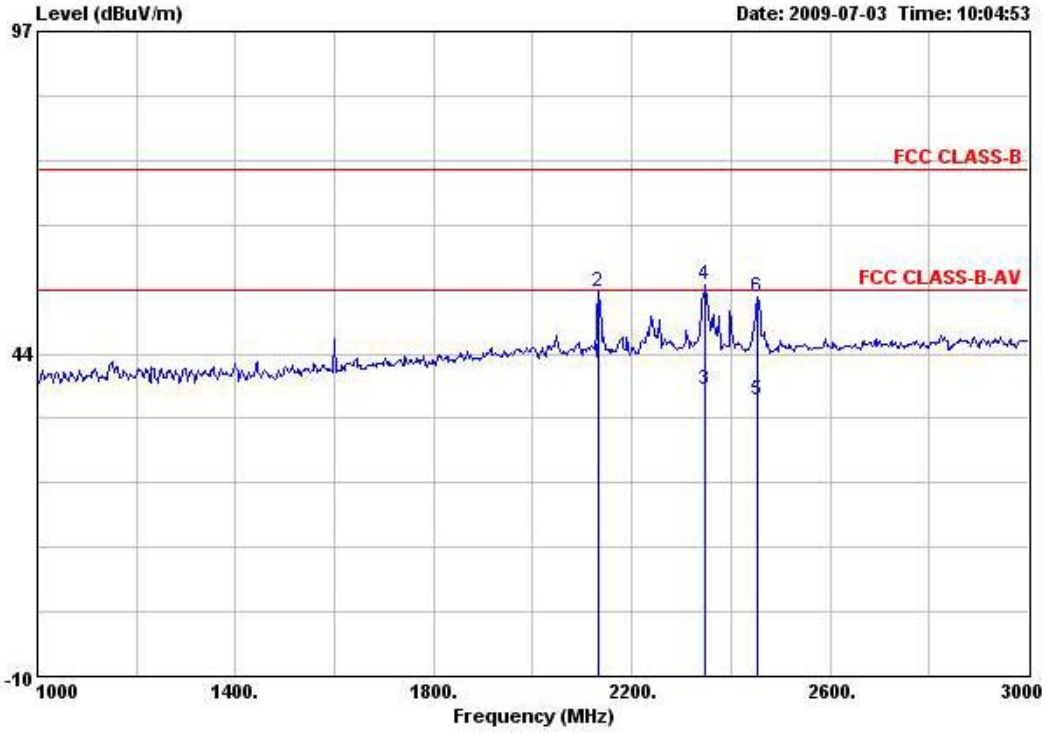
	Freq	Level	Over Limit	Limit Line	Read Level	Preamp Factor	Cable Loss	Antenna Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB/m		cm	deg
1 !	215.200	24.59	-5.41	30.00	34.51	27.53	3.15	14.46	Peak	---	---
2	599.200	27.45	-9.55	37.00	30.85	28.50	4.67	20.43	Peak	---	---
3	720.000	27.67	-9.33	37.00	30.47	28.26	5.16	20.30	Peak	---	---

Frequency Range of Test	From 1000MHz to 13000MHz	Test Distance	3m
Test Mode	Mode 1	Temperature	25℃
Test Engineer	Kobe Wu	Humidity	54%

Note: 1. Emission level (dBμV/m) = 20 log Emission level (μV/m)

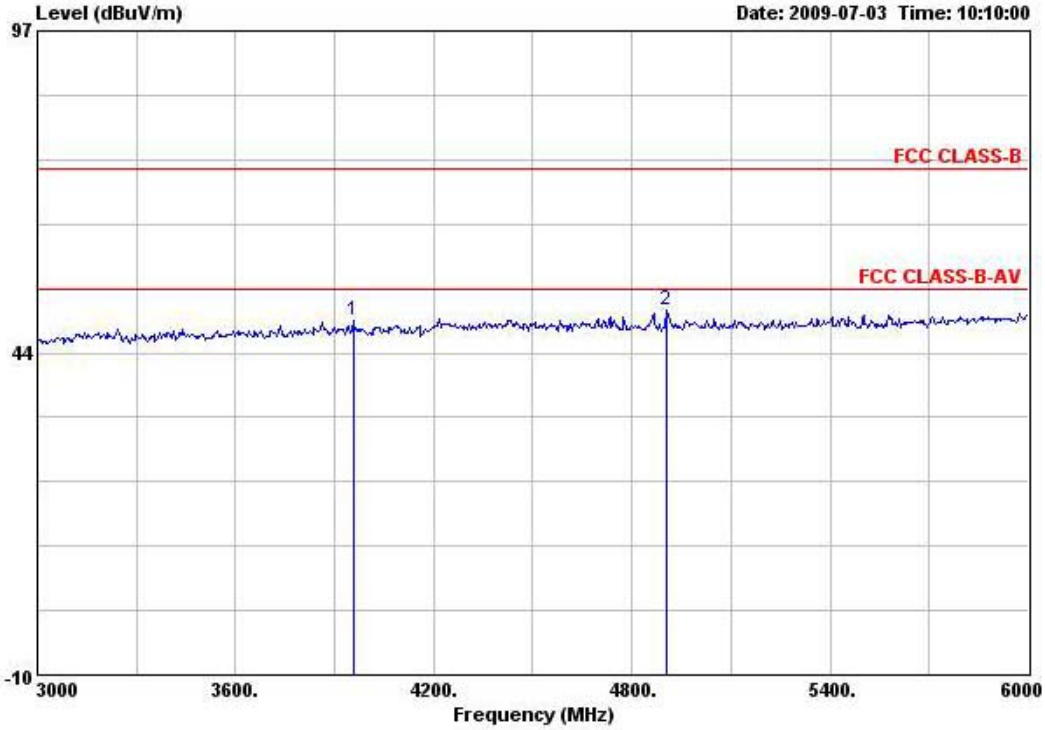
2. Corrected Reading : Antenna Factor + Cable Loss + Read Level – Preamp Factor = Level

■The test was passed at the minimum margin that marked by the frame in the following data



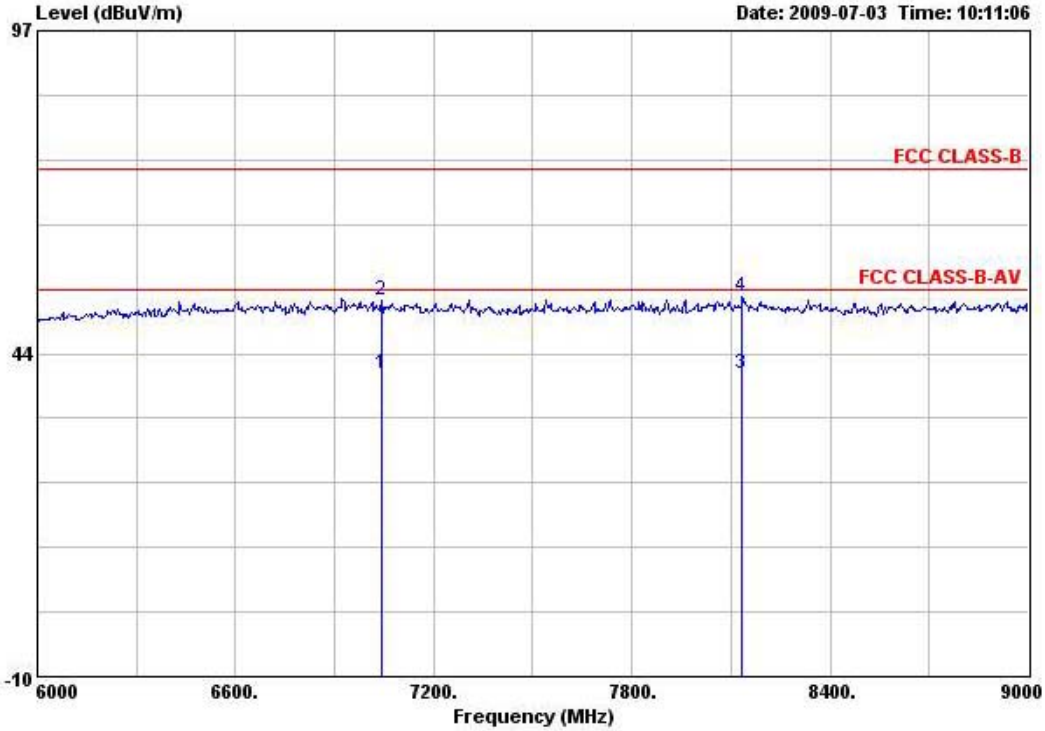
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	2134.000	41.99	-12.01	54.00	39.87	32.38	3.46	33.72	Average	---	---
2	2134.000	53.82	-20.18	74.00	51.70	32.38	3.46	33.72	Peak	---	---
3	2348.000	37.43	-16.57	54.00	35.00	32.51	3.69	33.77	Average	---	---
4	2348.000	55.03	-18.97	74.00	52.60	32.51	3.69	33.77	Peak	---	---
5	2454.000	35.74	-18.26	54.00	33.14	32.58	3.81	33.79	Average	---	---
6	2454.000	52.91	-21.09	74.00	50.31	32.58	3.81	33.79	Peak	---	---



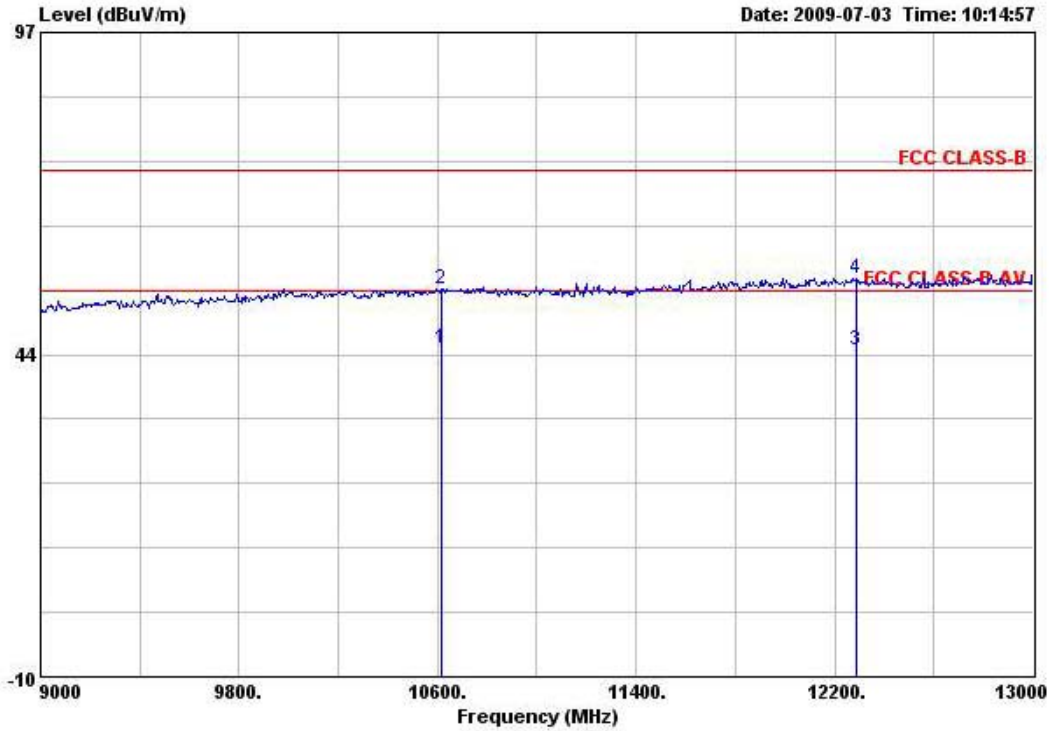
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	3957.000	48.88	-25.12	74.00	43.41	34.23	5.35	34.11	Peak	---	---
2	4905.000	50.59	-23.41	74.00	44.14	34.82	5.93	34.30	Peak	---	---



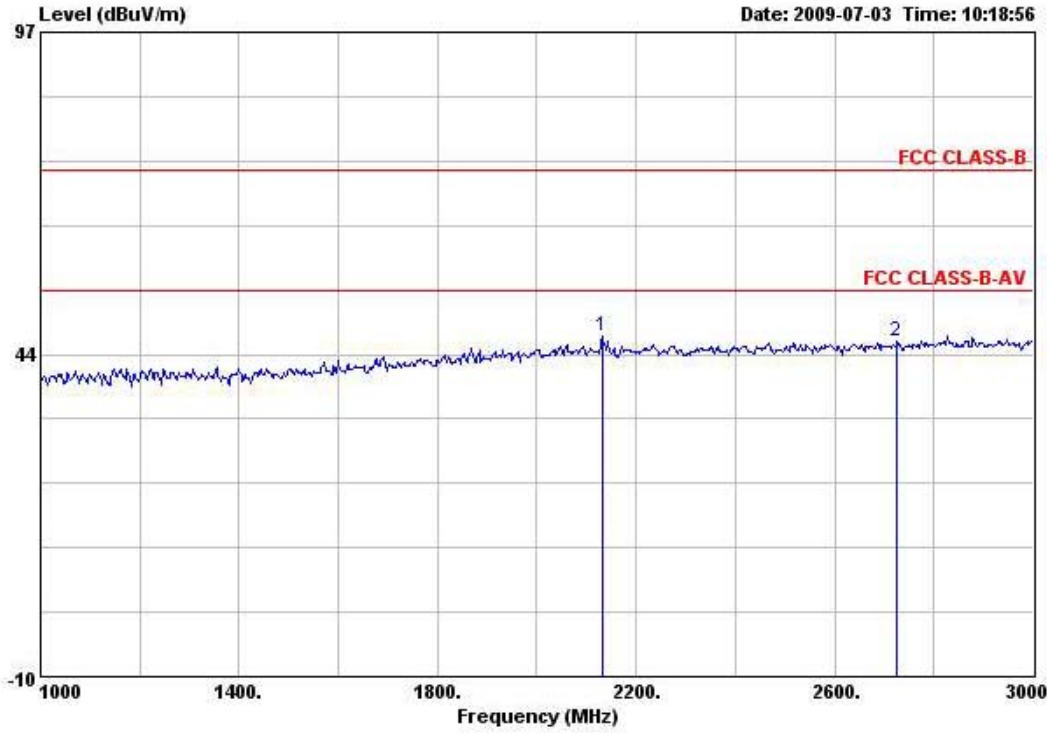
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7041.000	40.12	-13.88	54.00	30.37	36.00	6.38	32.63	Average	---	---
2	7041.000	52.48	-21.52	74.00	42.73	36.00	6.38	32.63	Peak	---	---
3	8133.000	40.08	-13.92	54.00	30.84	36.23	6.82	33.81	Average	---	---
4	8133.000	52.87	-21.13	74.00	43.63	36.23	6.82	33.81	Peak	---	---



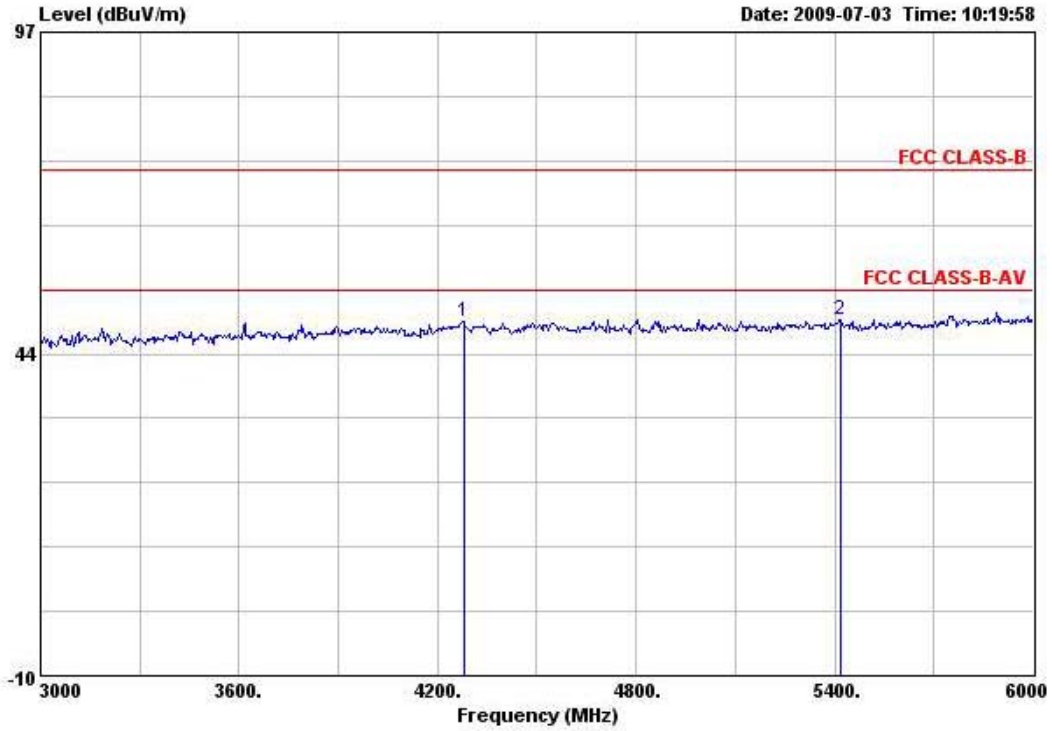
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 VERTICAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	@10612.000	44.48	-9.52	54.00	32.70	38.42	7.80	34.44	Average	---	---
2	10612.000	54.50	-19.50	74.00	42.72	38.42	7.80	34.44	Peak	---	---
3	@12288.000	44.24	-9.76	54.00	31.05	39.66	7.85	34.32	Average	---	---
4	12288.000	56.22	-17.78	74.00	43.03	39.66	7.85	34.32	Peak	---	---



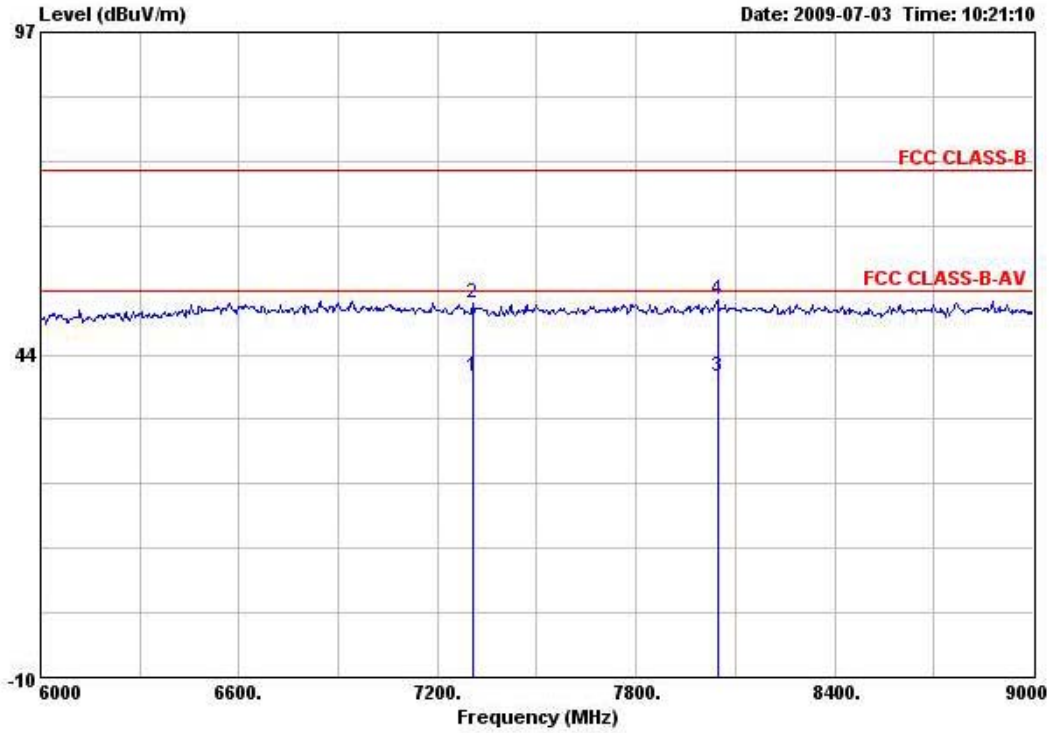
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	2132.000	46.47	-27.53	74.00	44.35	32.38	3.46	33.72	Peak	---	---
2	2726.000	45.72	-28.28	74.00	42.74	32.88	4.09	33.99	Peak	---	---



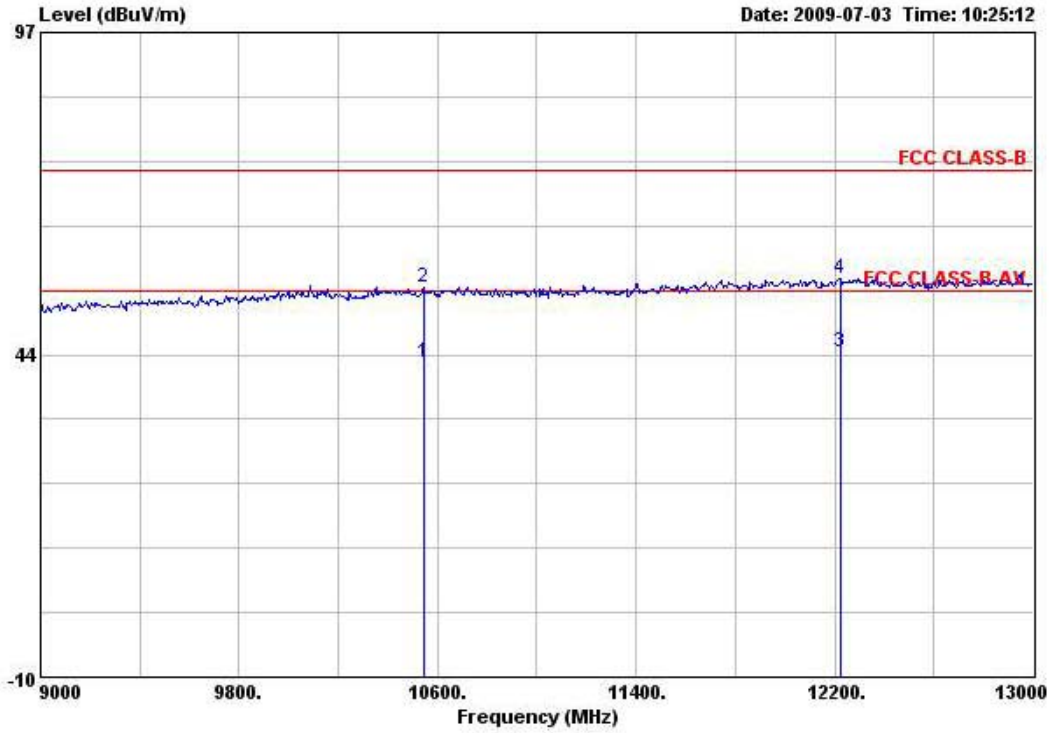
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4278.000	48.90	-25.10	74.00	42.91	34.64	5.57	34.22	Peak	---	---
2	5418.000	49.23	-24.77	74.00	42.30	35.05	6.01	34.13	Peak	---	---



Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7305.000	39.90	-14.10	54.00	30.70	36.00	6.48	33.28	Average	---	---
2	7305.000	52.06	-21.94	74.00	42.86	36.00	6.48	33.28	Peak	---	---
3	8046.000	39.93	-14.07	54.00	30.58	36.21	6.78	33.64	Average	---	---
4	8046.000	52.59	-21.41	74.00	43.24	36.21	6.78	33.64	Peak	---	---



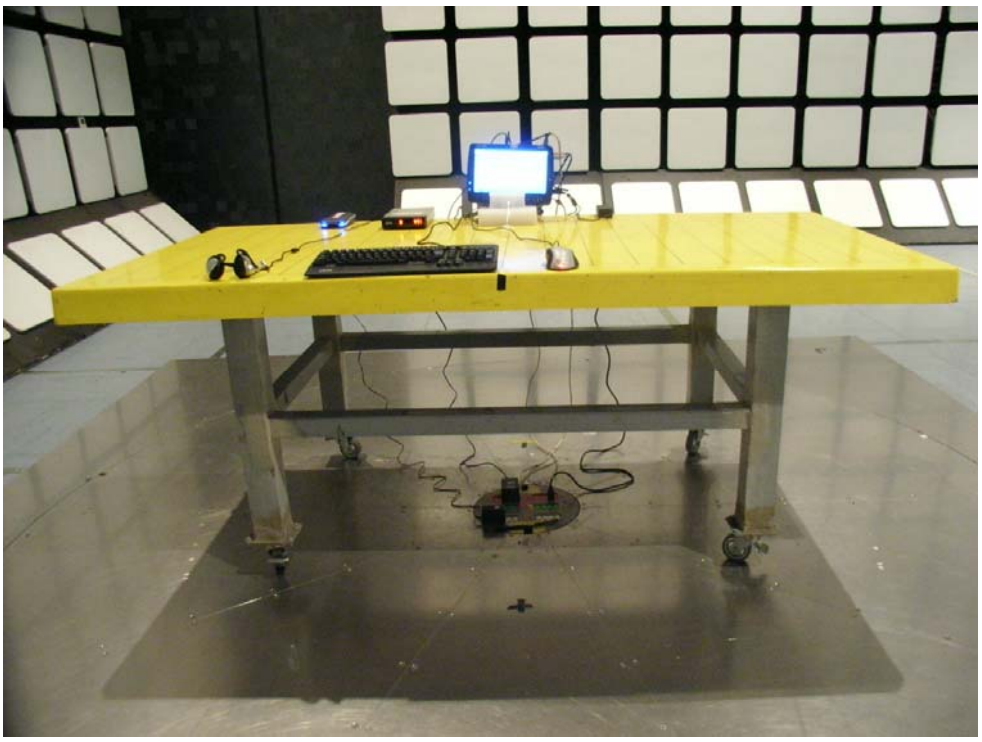
Site : 03CH03-HY
Condition : FCC CLASS-B 3m HF-ANT-3117 HORIZONTAL
EUT : Rugged Tablet Computer
POWER:
Model No : RTC-1000
MEMO : LCD 1024*600 60Hz
MEMO :
MEMO :

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	@10544.000	42.25	-11.75	54.00	30.52	38.41	7.80	34.48	Average	---	---
2	10544.000	54.70	-19.30	74.00	42.97	38.41	7.80	34.48	Peak	---	---
3	@12224.000	44.05	-9.95	54.00	30.92	39.64	7.86	34.37	Average	---	---
4	12224.000	56.06	-17.94	74.00	42.93	39.64	7.86	34.37	Peak	---	---

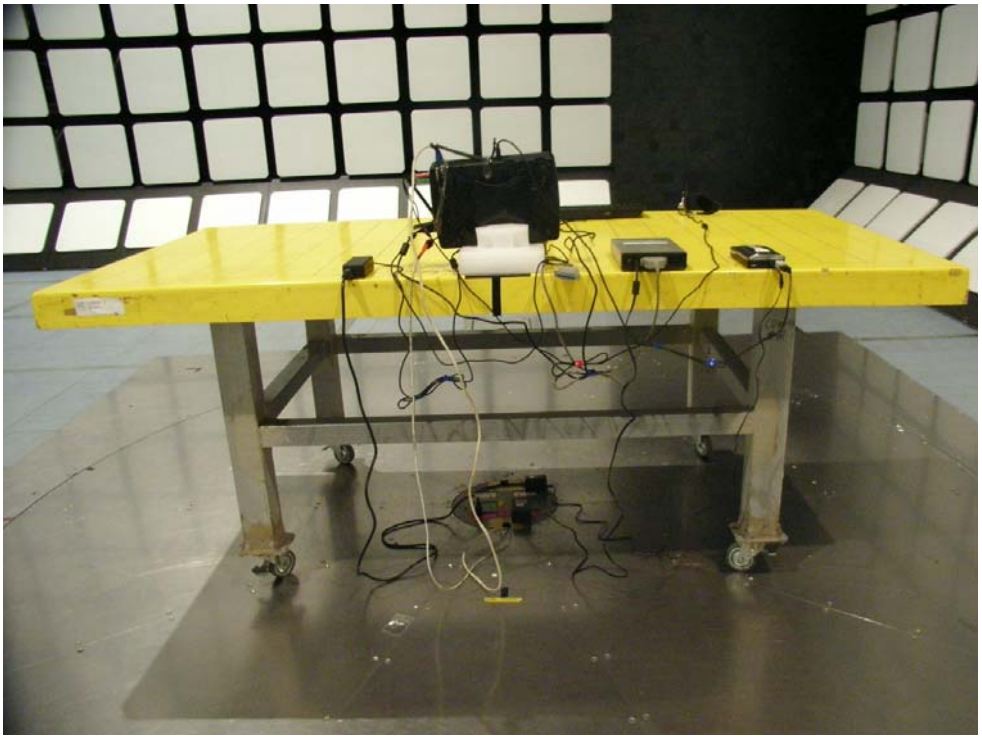
6.5 Photographs of Radiated Emission Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAZR VIEW



7. List of Measuring Equipment Used

< Conducted Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz – 2.75GHz	Jul. 24, 2008	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9kHz – 30MHz	Mar. 18, 2009	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Feb. 24, 2009	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	Conduction (CO01-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832010001	9kHz – 30MHz	May 05, 2009	Conduction (CO01-HY)

※ Calibration Interval of instruments listed above is one year.

< Radiation Emission below 1GHz >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
10m Semi Anechoic Chamber	TDK	SAC-10M	10CH02-HY	30MHz~1GHz 10m,3m	Mar. 04, 2009	Radiation (10CH02-HY)
Spectrum Analyzer	R&S	FSP7	100645	9KHz – 7GHz	Aug. 23, 2008	Radiation (10CH02-HY)
Receiver	R&S	ESI	838496/008	20Hz - 7GHz	Apr. 27, 2009	Radiation (10CH02-HY)
Amplifier	Agilent	8447D	2944A10827	100KHz – 1.3GHz	Jun. 4, 2009	Radiation (10CH02-HY)
Amplifier	Agilent	8447D	2944A10828	100KHz – 1.3GHz	Jun. 10, 2009	Radiation (10CH02-HY)
Biconical Antenna	Schwarzbeck	VHBB 9124	287	30MHz –200MHz	Dec. 22, 2008	Radiation (10CH02-HY)
Log Antenna	Schwarzbeck	VUSLP 9111	207	200MHz -1GHz	Dec. 22, 2008	Radiation (10CH02-HY)
Turn Table	HD	DS 430	430/360	0 ~ 360 degree	N/A	Radiation (10CH02-HY)
Antenna Mast	HD	MA240	240/664	1 m - 4 m	N/A	Radiation (10CH02-HY)
Antenna Mast	HD	MA240	240/667	1 m - 4 m	N/A	Radiation (10CH02-HY)
RF Cable-R10m	Jye Bao	RG142	CB027-INSIDE	30MHz~1GHz	Feb. 13, 2009	Radiation (10CH02-HY)
RF Cable-R10m	Suhner Switzerland + BELDEN	RG223/U + RG8/U	CB026-DOOR	30MHz~1GHz	Feb. 13, 2009	Radiation (10CH02-HY)

※ Calibration Interval of instruments listed above is one year.

< Radiation Emission : 1G ~ 13G >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 07, 2009	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	Jul. 21, 2008	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5 GHz - 40 GHz	Apr. 06, 2009	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9 kHz - 30 GHz	Feb 02, 2009	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	Apr. 29, 2008	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	Jan.16, 2009	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Jan. 05, 2009	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)

※ Calibration Interval of instruments listed above is one year.

8. TAF Certificate of Accreditation

Certificate No.：L1190-090318

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Sporton International Inc.

EMC & Wireless Communications Laboratory

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

is accredited in respect of laboratory

Accreditation Criteria	:	ISO/IEC 17025:2005
Accreditation Number	:	1190
Originally Accredited	:	December 15, 2003
Effective Period	:	January 10, 2007 to January 09, 2010
Accredited Scope	:	Testing Field, see described in the Appendix
Specific Accreditation Program	:	Accreditation Program for Designated Testing Laboratory for Commodities Inspection Accreditation Program for Telecommunication Equipment Testing Laboratory Accreditation Program for BSMI Mutual Recognition Arrangment with Foreign Authorities

Jay-San Chen
President, Taiwan Accreditation Foundation
Date：March 18, 2009

P1, total 19 pages

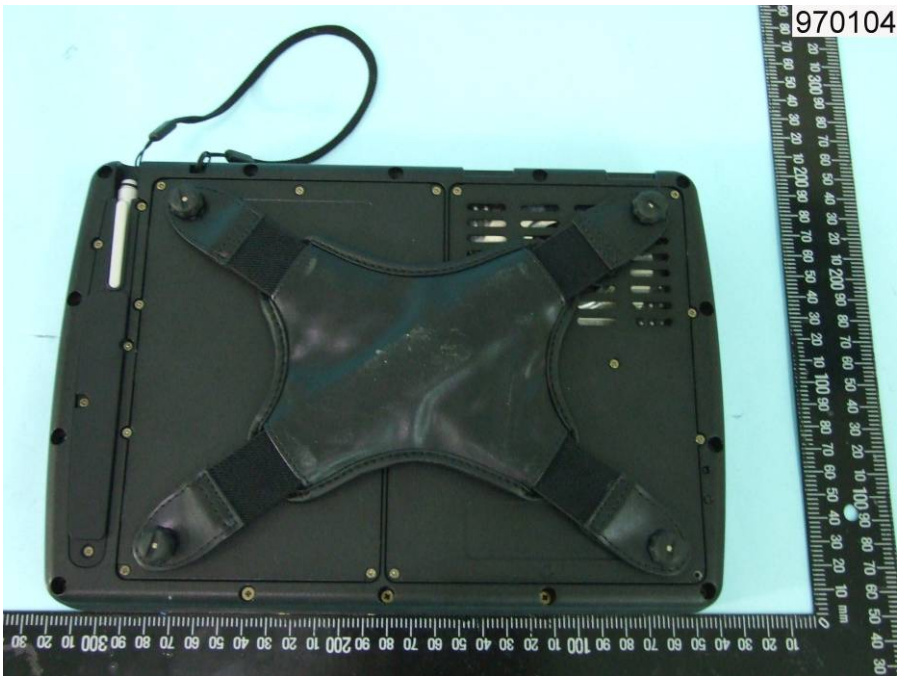
APPENDIX A. Photographs of EUT


970104


970104

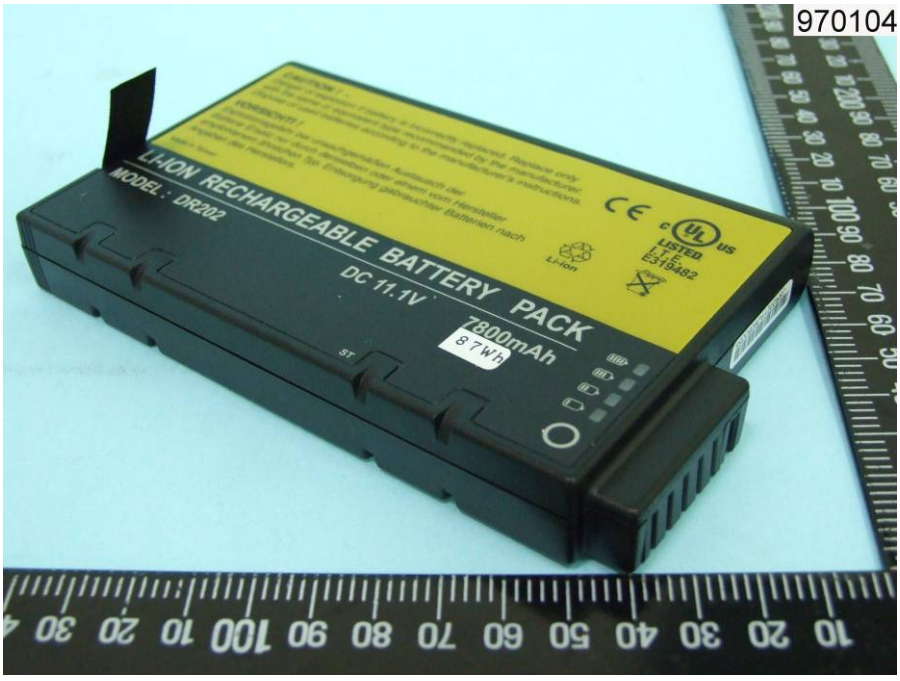

970104

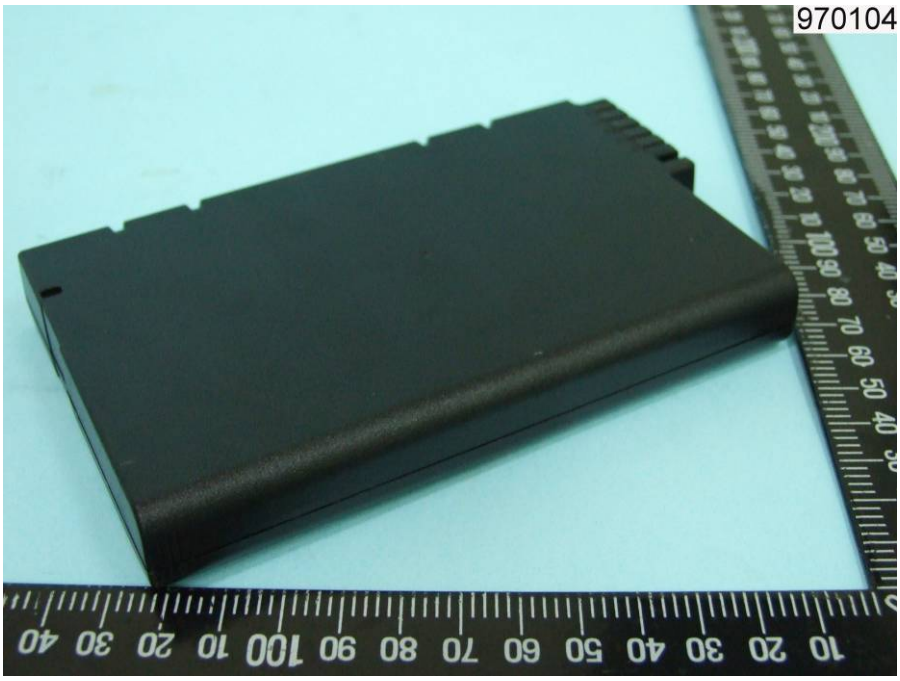

970104


970104

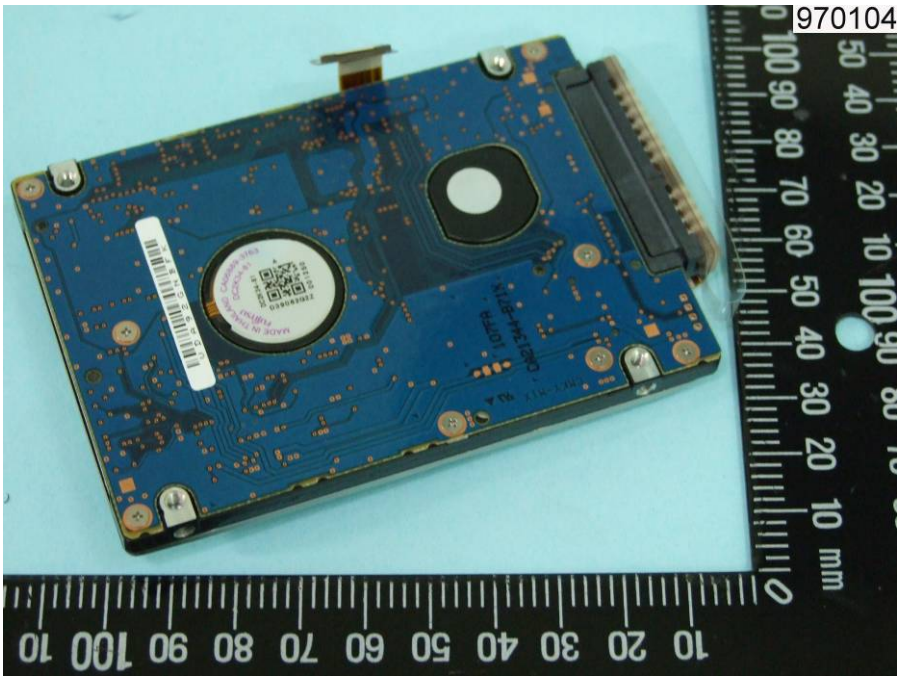

970104
20090514
CAUTION !
RECHARGEABLE BATTERY PACK
DC 11.1V
7800mAh
20090514


970104
LI-ION RECHARGEABLE BATTERY PACK
MODEL : DR202
DC 11.1V
7800mAh

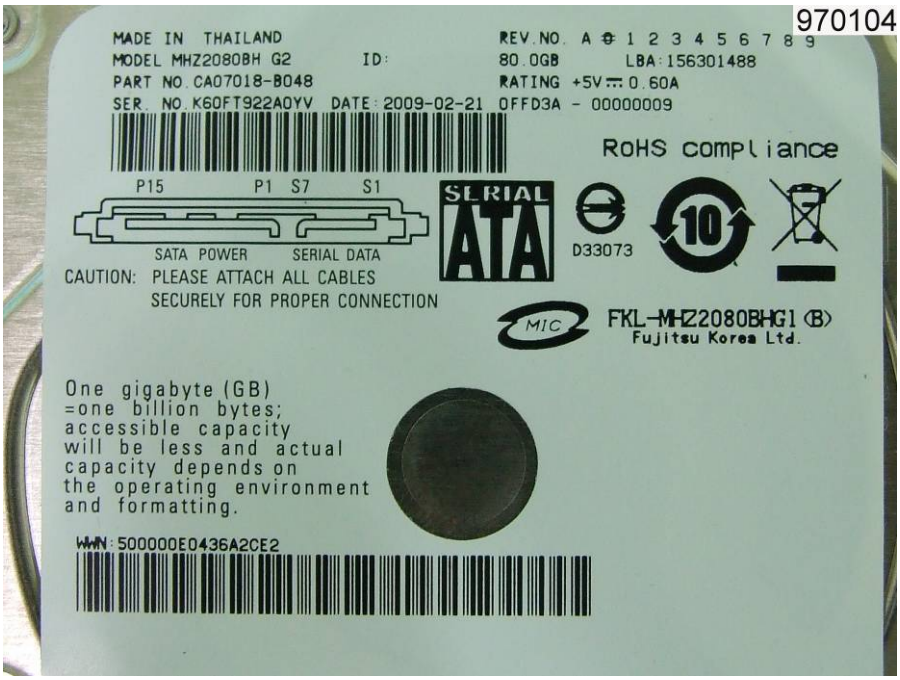

970104
LI-ION RECHARGEABLE BATTERY PACK
MODEL : DR202
DC 11.1V
7800mAh
87Wh

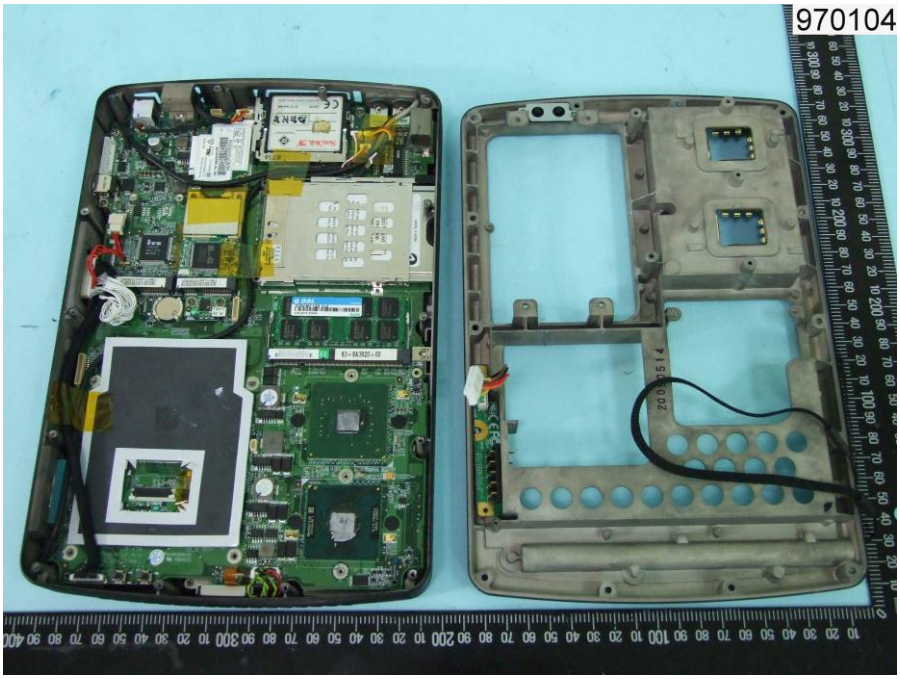

970104


970104
CAUTION !
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
VORSICHTI !
Explosionsgefahr bei unsachgemäßen Austausch der Batterie Ersatz nur durch denselben oder elnem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gabrauchter Batterien nach Angaben des Herstellers.
LISTED
I.T.E.
E319482
Li-ion
Made in Taiwan
ION RECHARGEABLE BATTERY PACK
MODEL : DR202
DC 11.1V
7800mAh
87Wh


970104


970104


970104
MADE IN THAILAND
MODEL MHZ2080BH G2 ID:
PART NO. CA07018-B048
SER. NO. K60FT922A0YV DATE: 2009-02-21
REV.NO. A 0 1 2 3 4 5 6 7 8 9
80.0GB LBA:156301488
RATING +5V 0.60A
OFFD3A - 00000009
RoHS compliance
P15 P1 S7 S1
SERIAL ATA
SATA POWER SERIAL DATA
CAUTION: PLEASE ATTACH ALL CABLES SECURELY FOR PROPER CONNECTION
D33073
MIC
FKL-MHZ2080BHG1 (B)
Fujitsu Korea Ltd.
One gigabyte (GB) =one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.
WWN: 500000E0436A2CE2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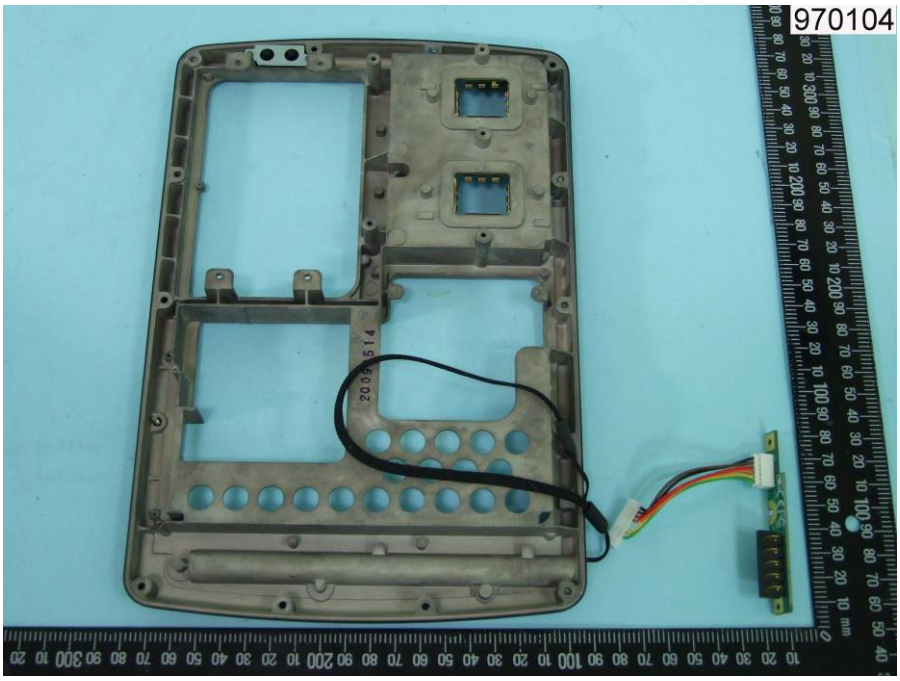
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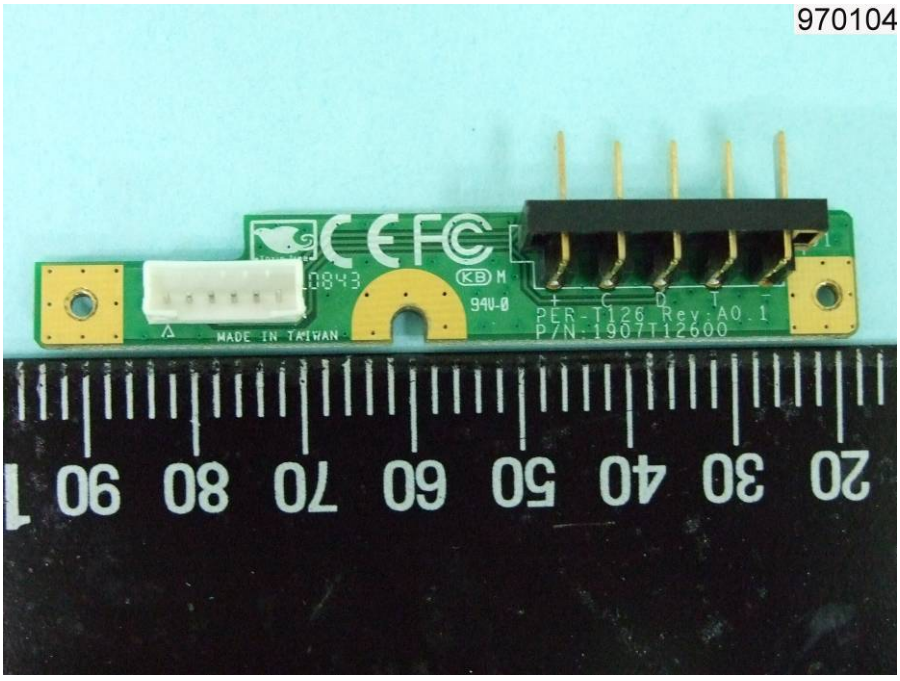
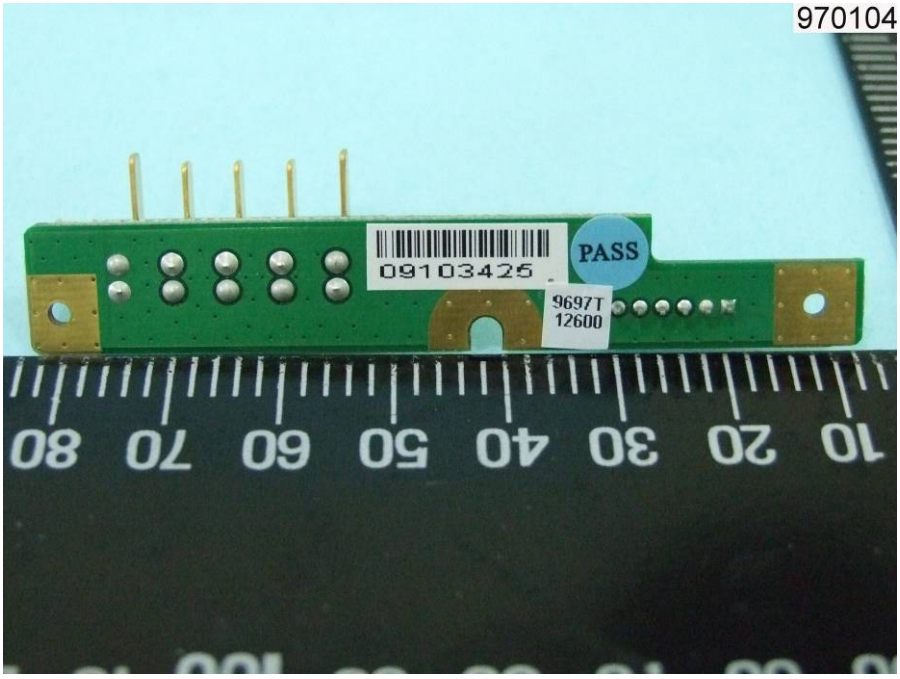

970104
MADE IN TAIWAN
94V-0
PER-T126 Rev:A0.1
P/N:1907T12600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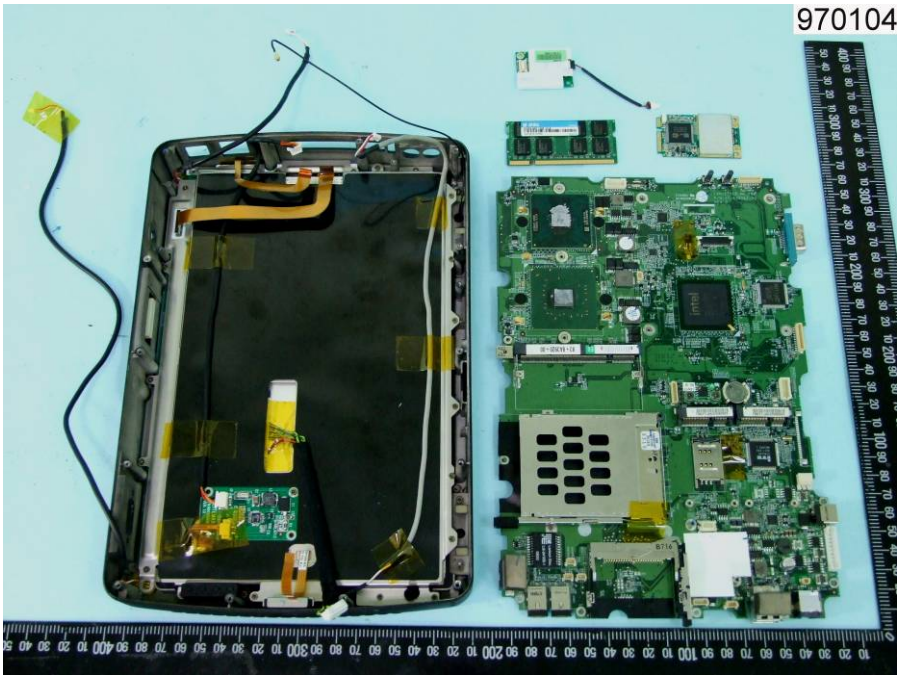
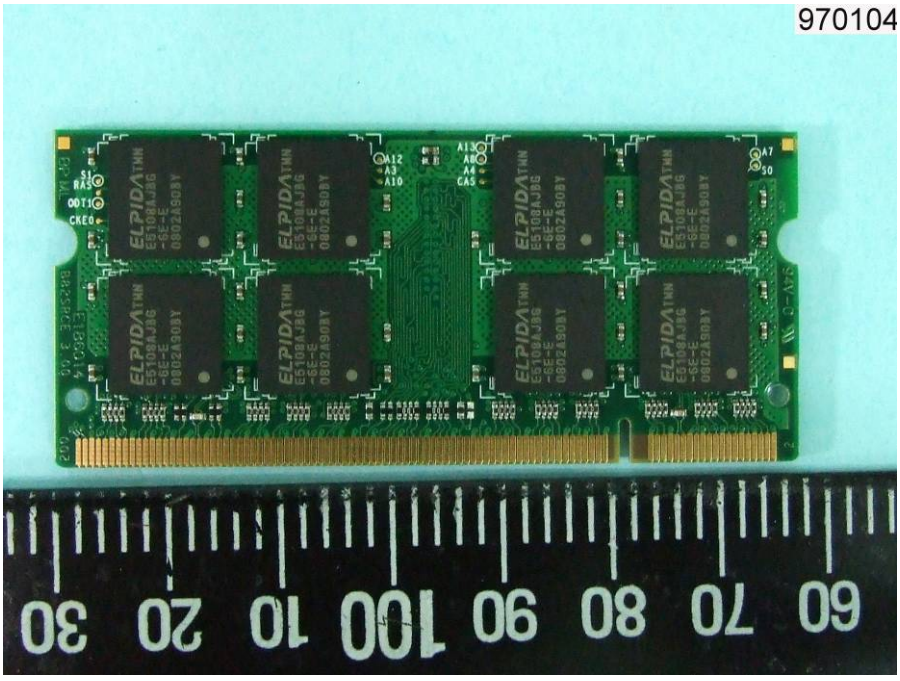
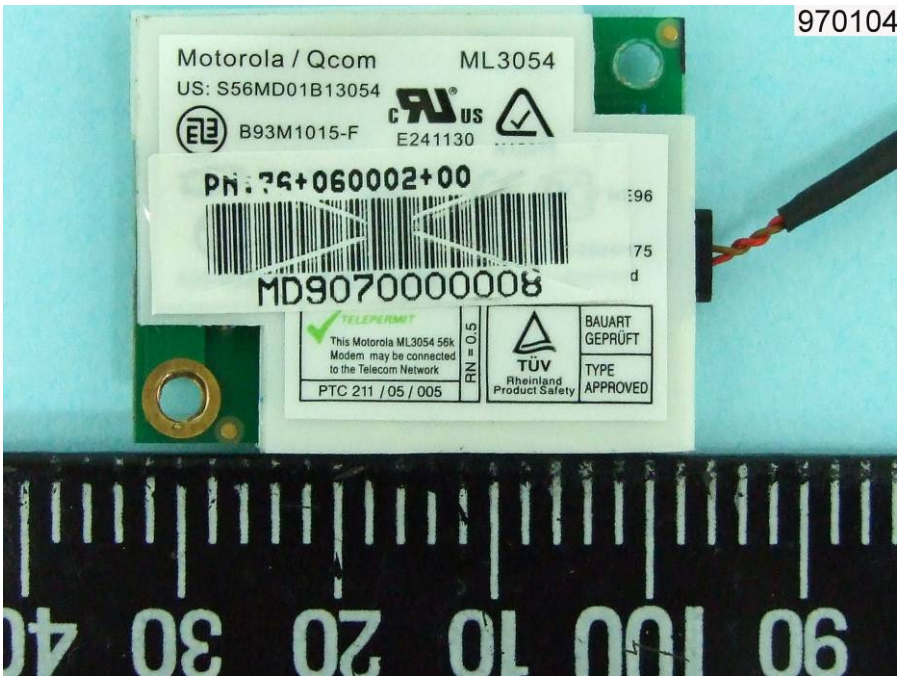
09103425
PASS
9697T
12600

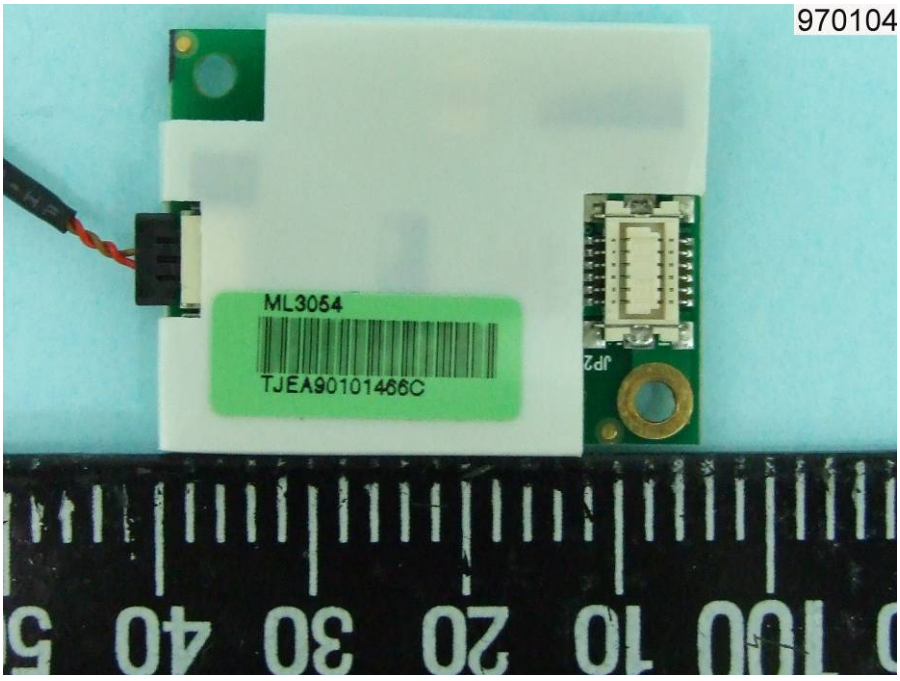

970104

970104

970104




970104
Motorola / Qcom
ML3054
US: S56MD01B13054
B93M1015-F
E241130
MD9070000008
This Motorola ML3054 56k Modem may be connected to the Telecom Network
PTC 211 / 05 / 005
RN = 0.5
TÜV Rheinland Product Safety
BAUART GEPRÜFT
TYPE APPROVED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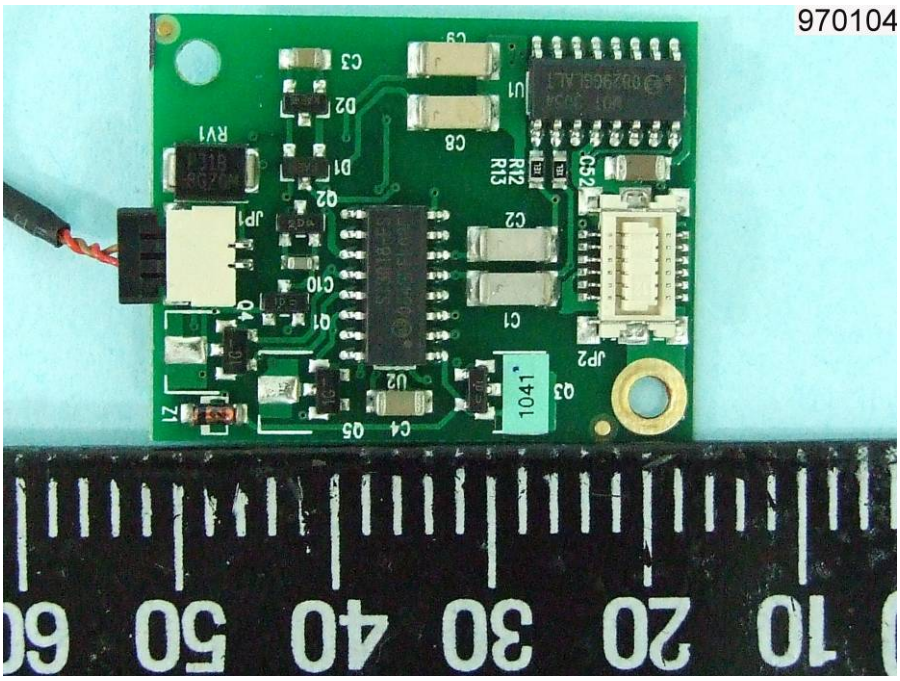
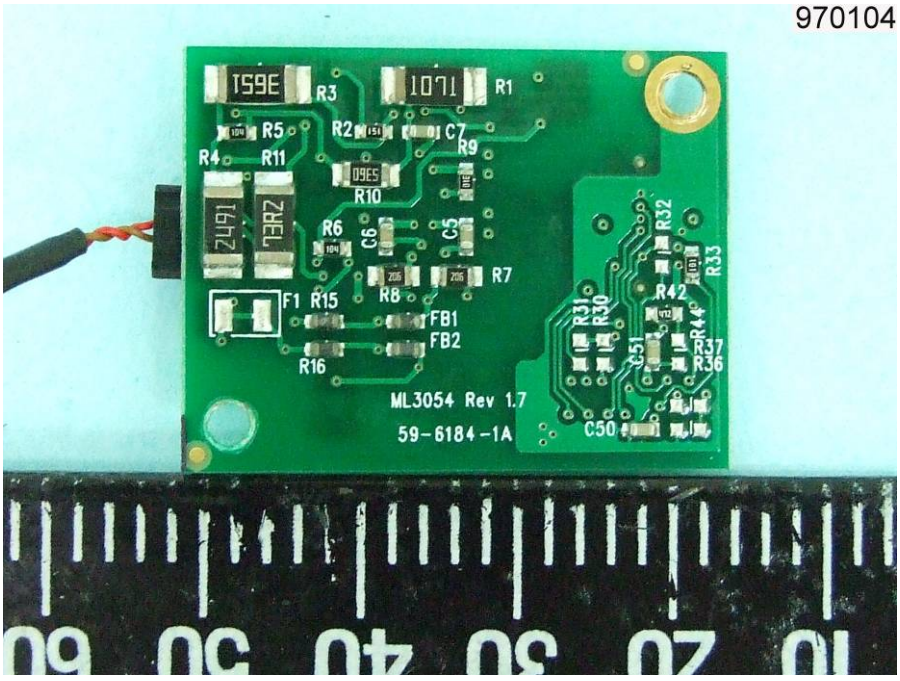
ML3054
TJEA90101466C


970104


970104
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R15
R16
C5
C6
C7
F1
FB1
FB2
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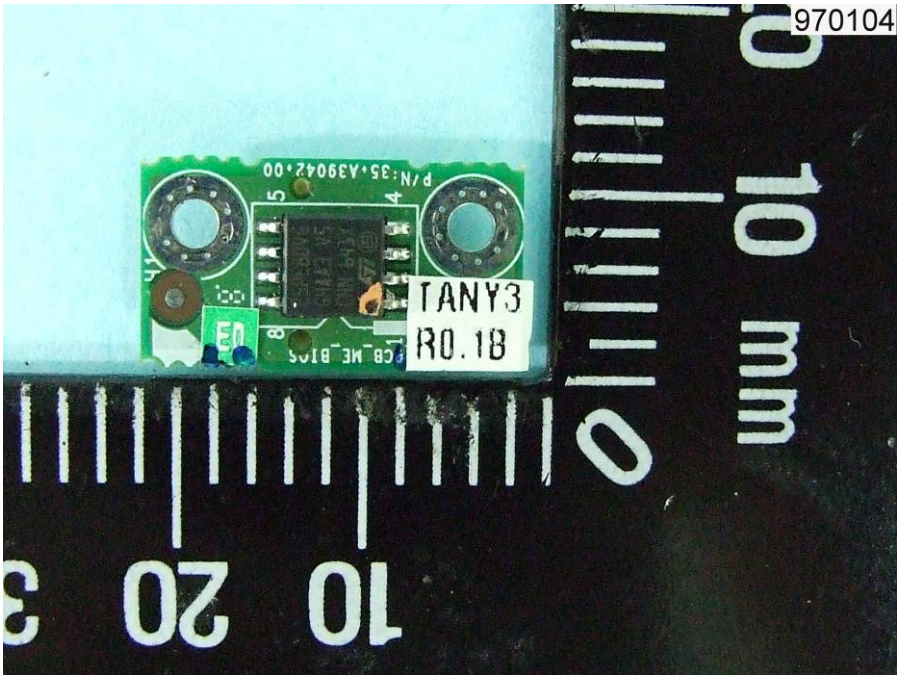
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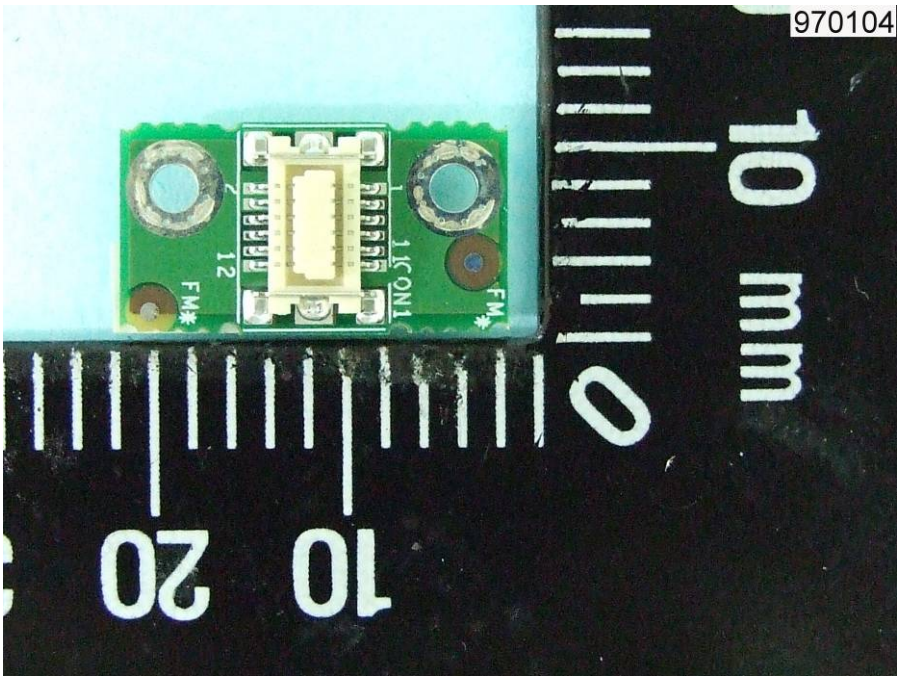
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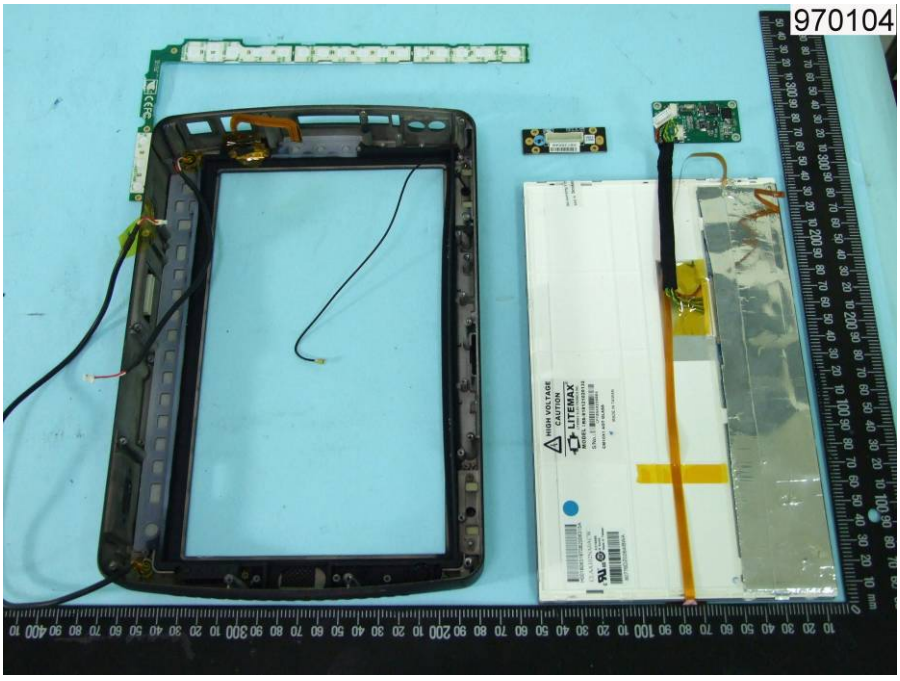
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CAUTION
LITEMAX


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HIGH VOLTAGE
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LITEMAX
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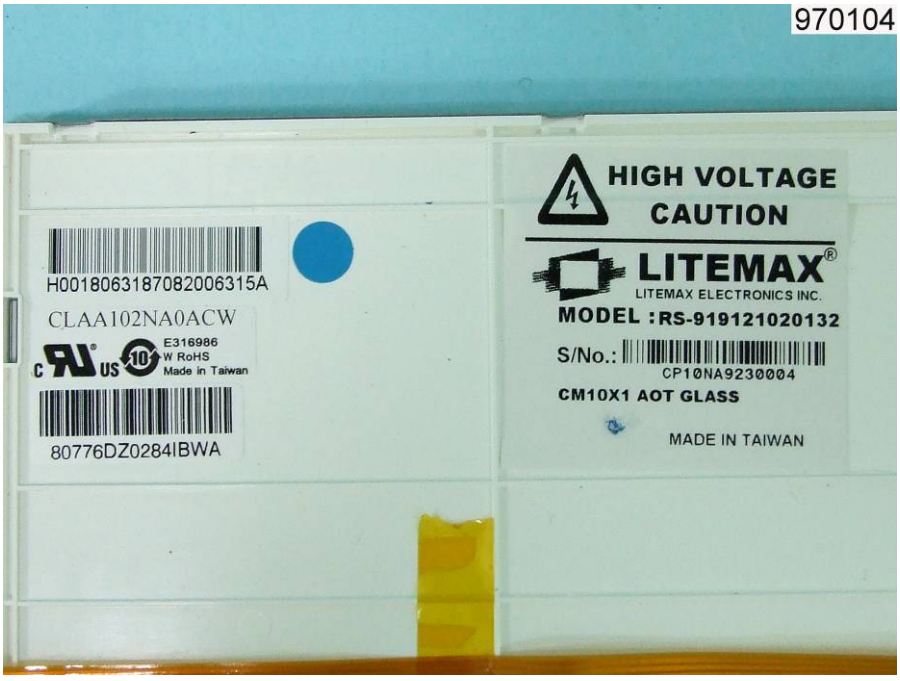
MADE IN TAIWAN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LITEMAX ELECTRONICS INC.
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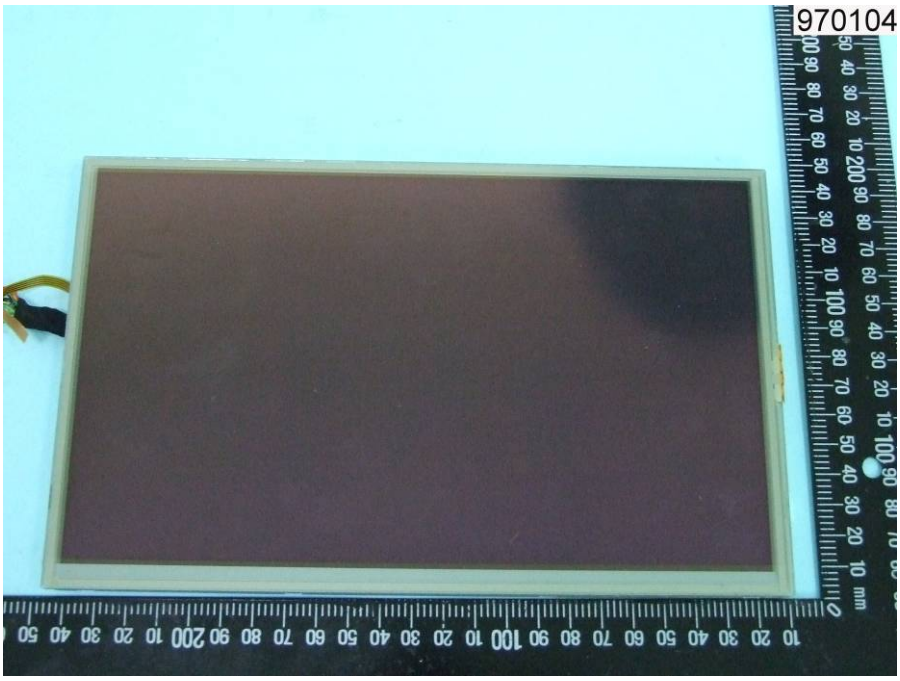
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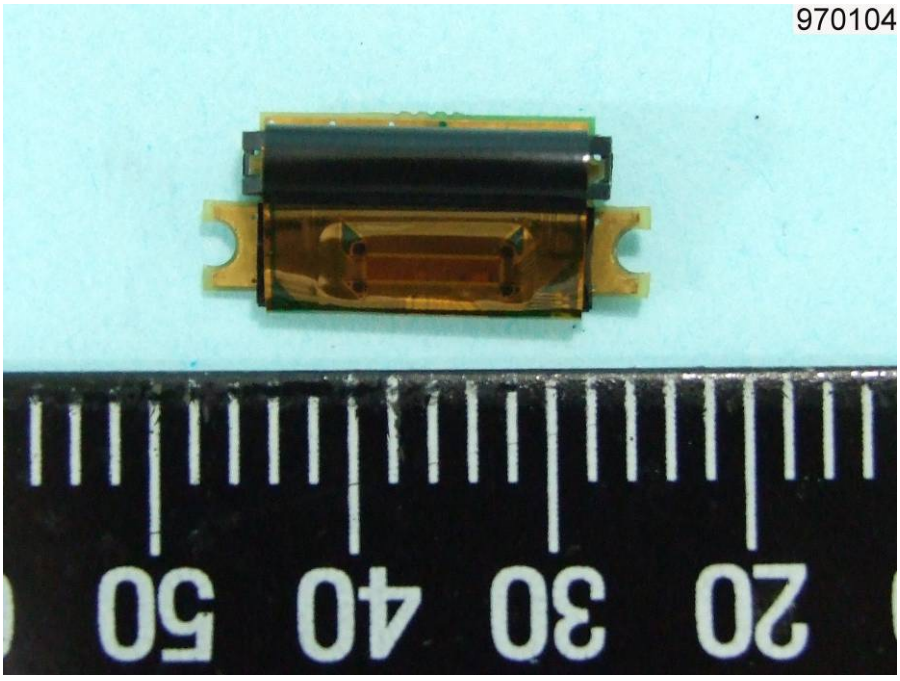
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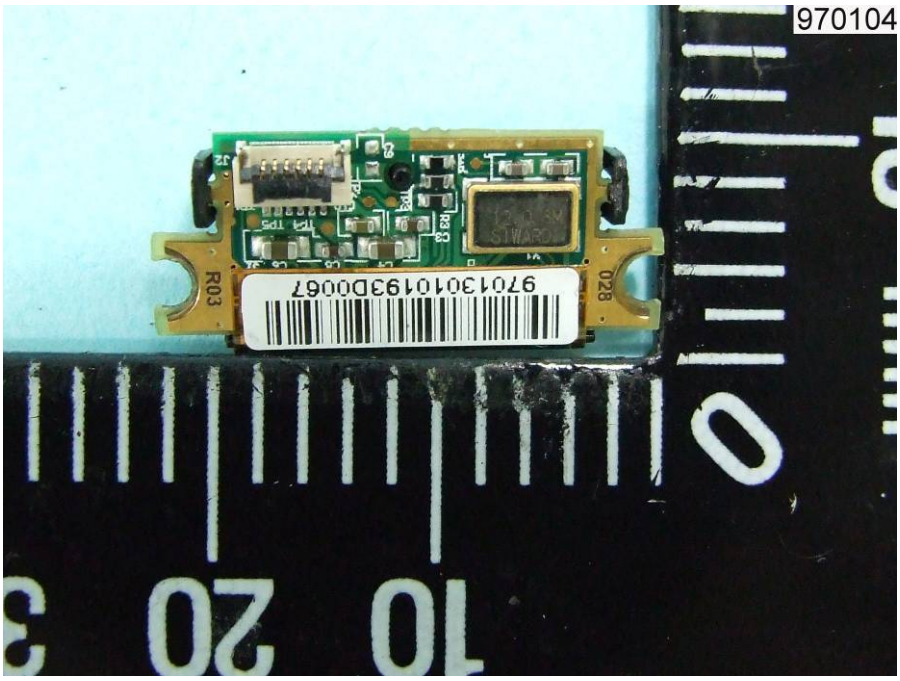
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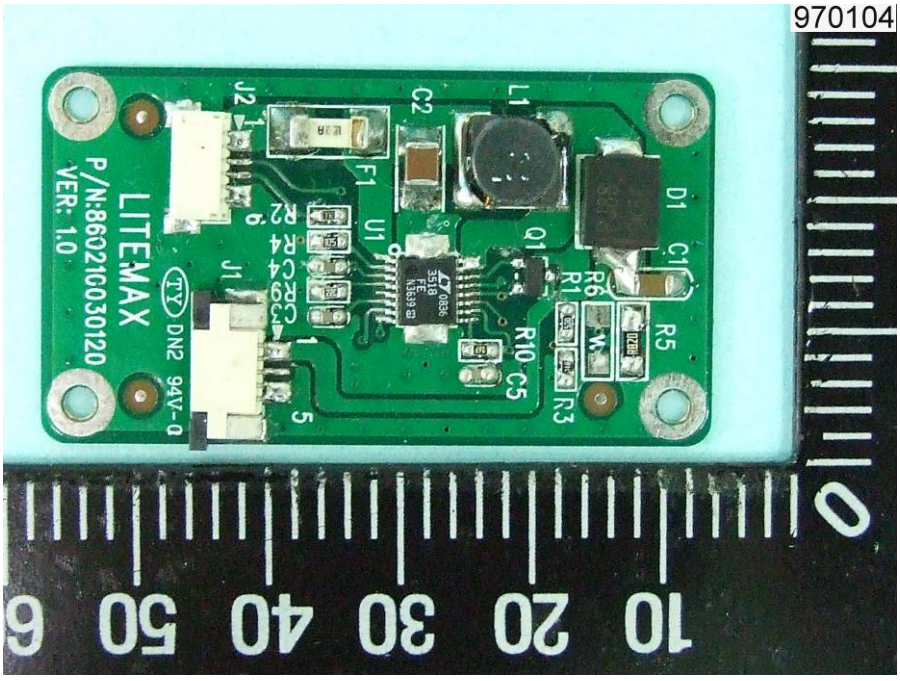
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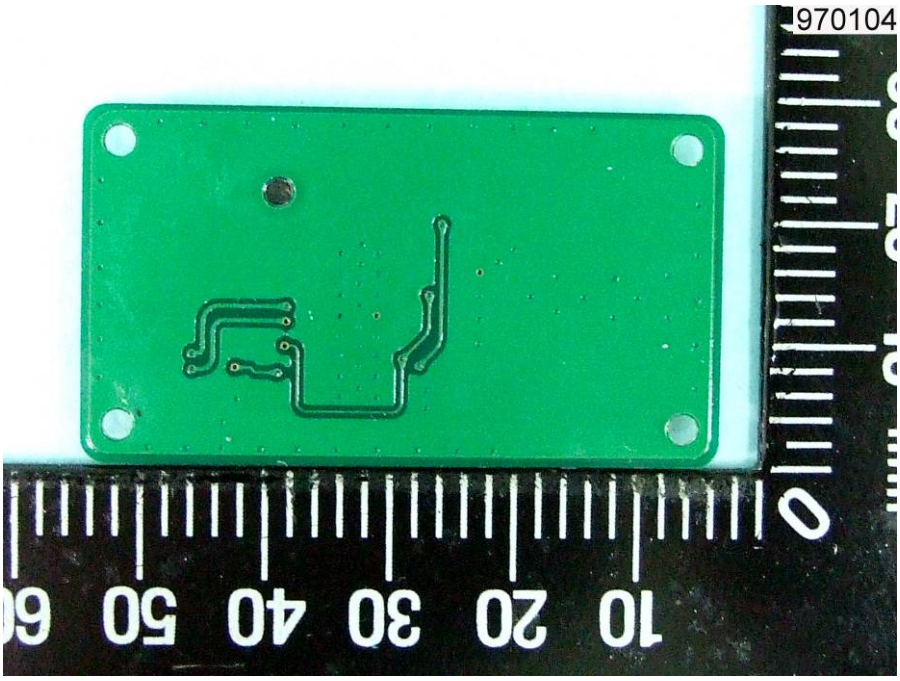
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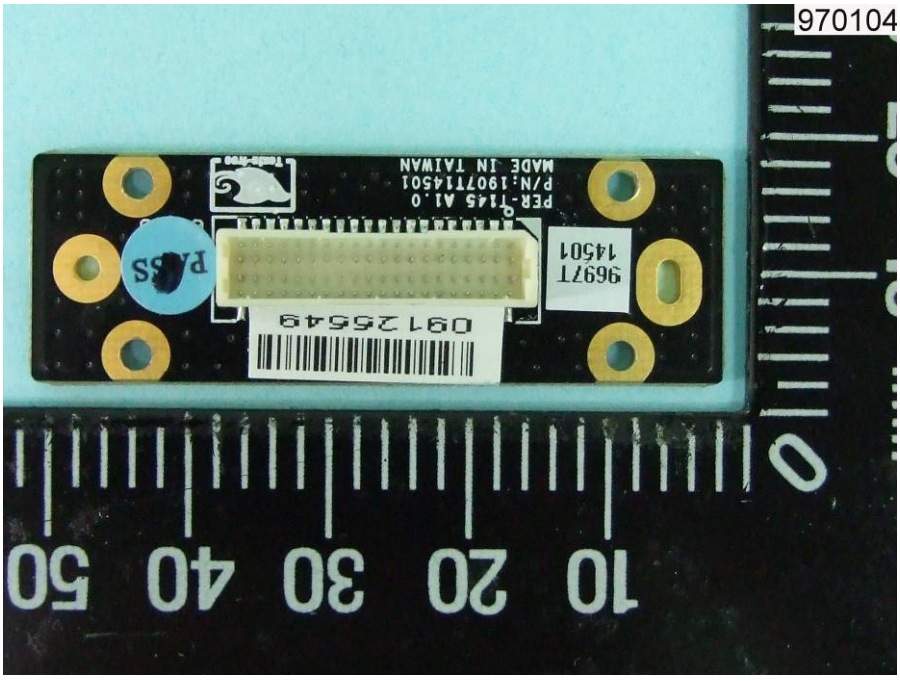
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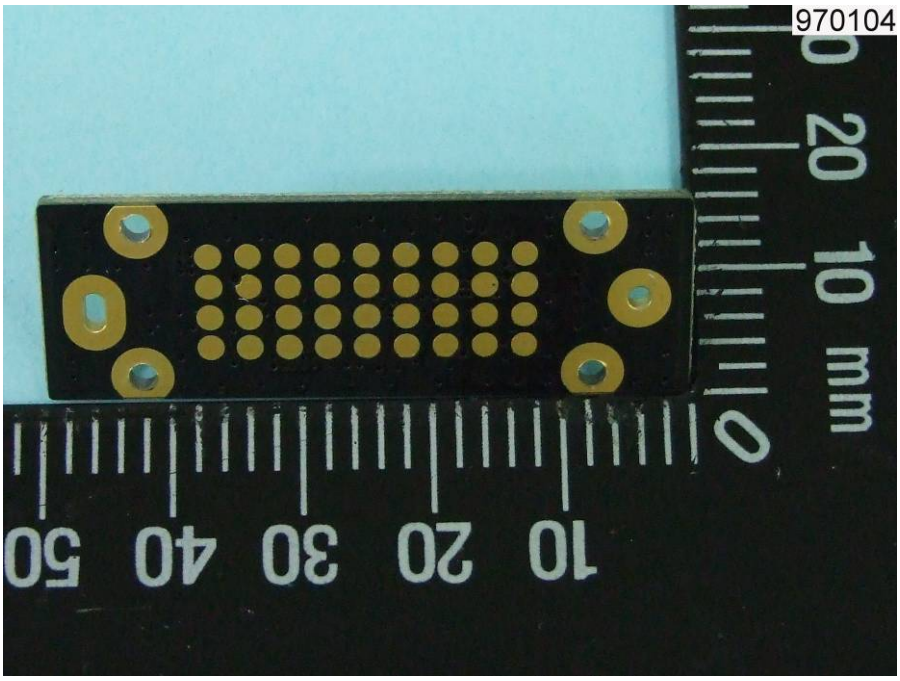
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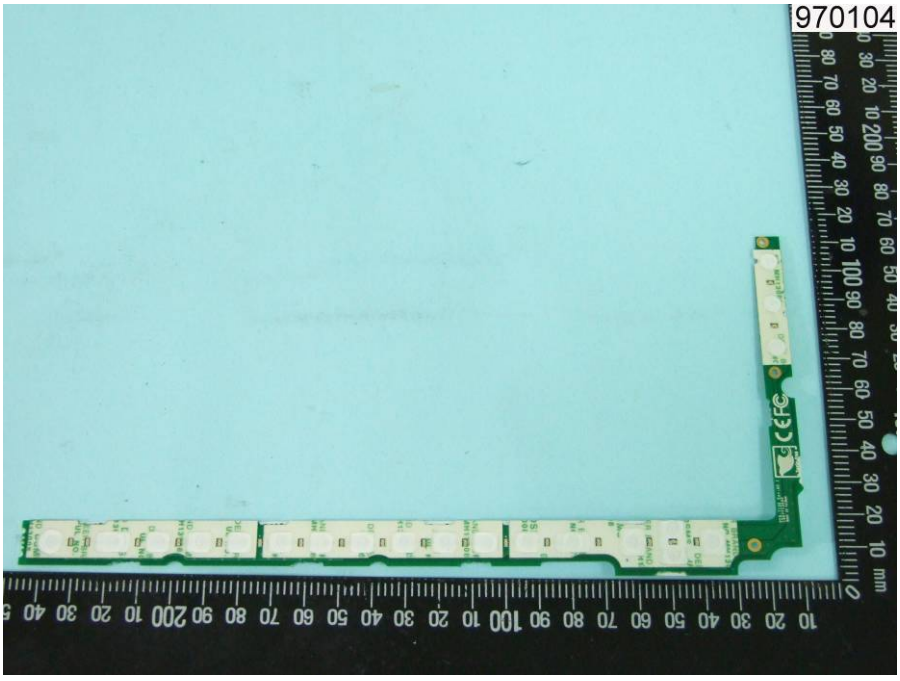
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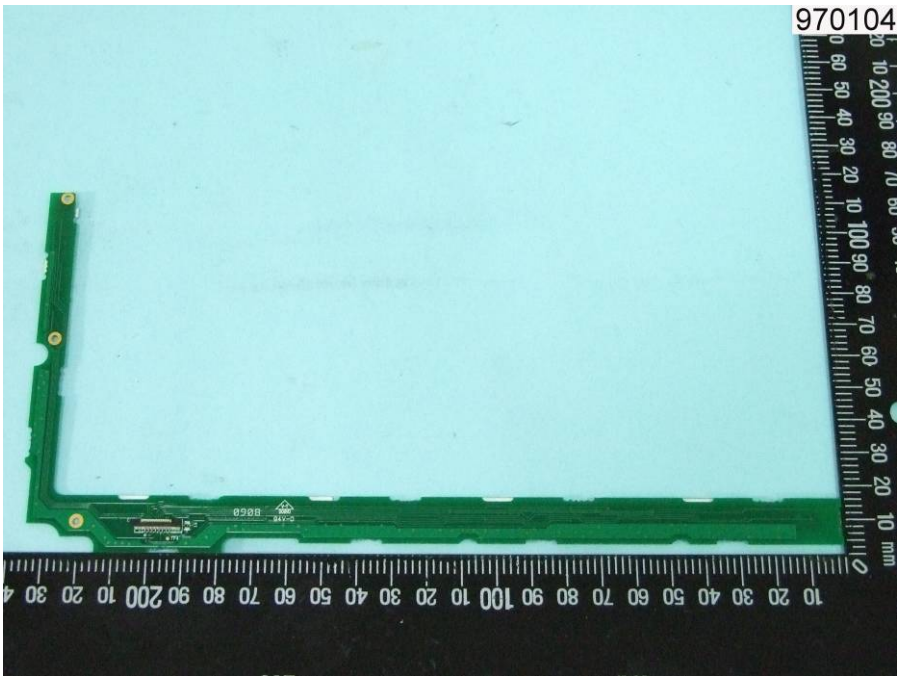
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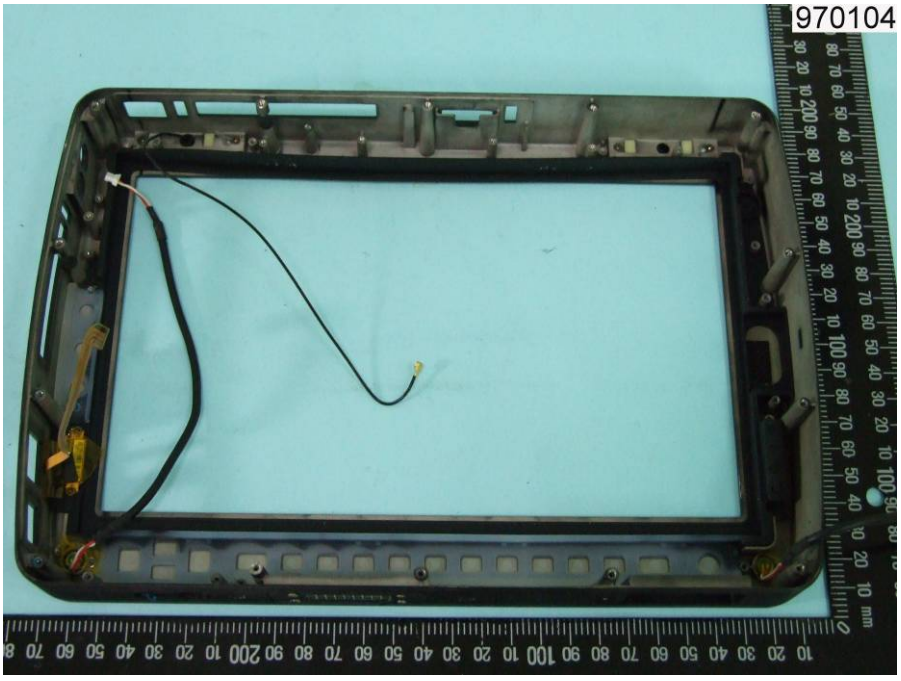
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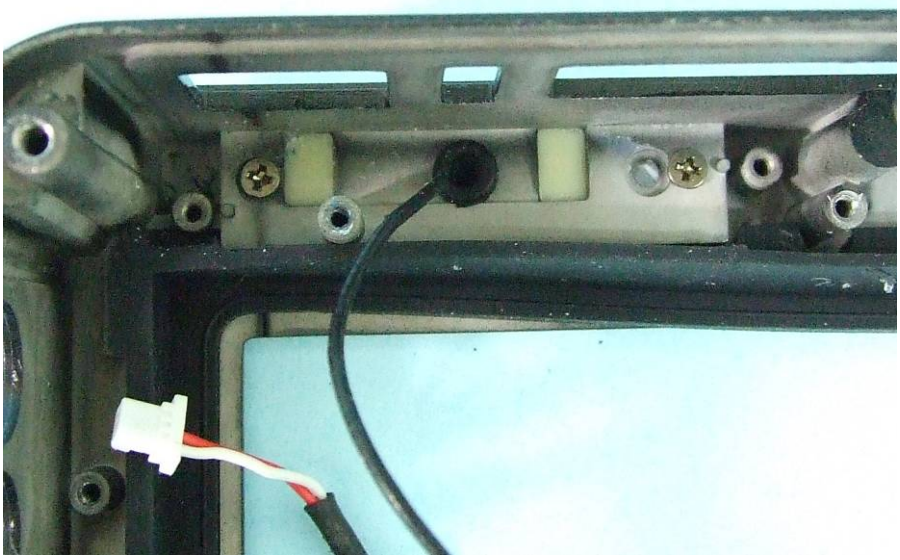

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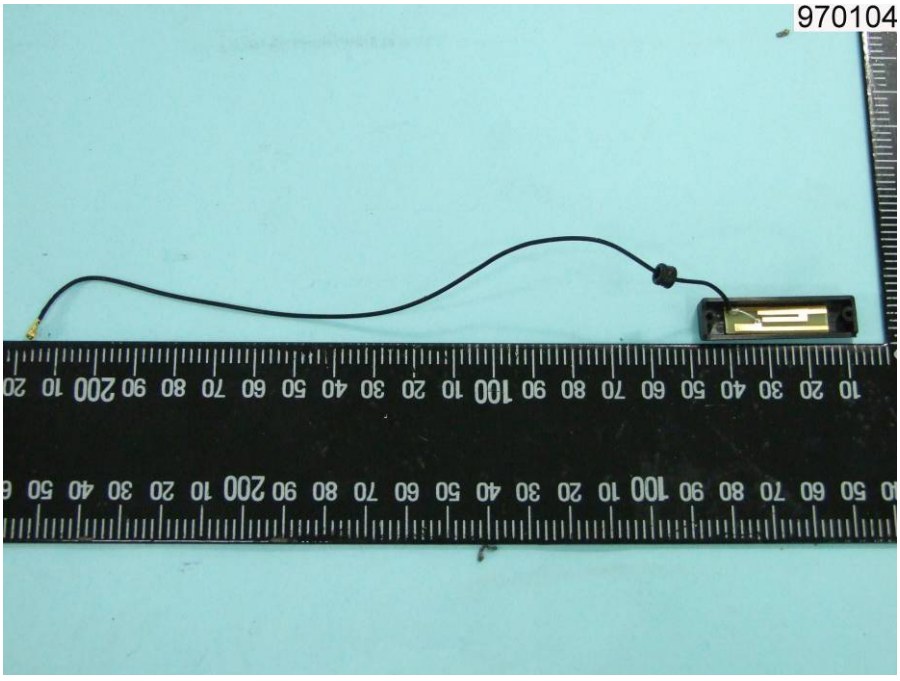

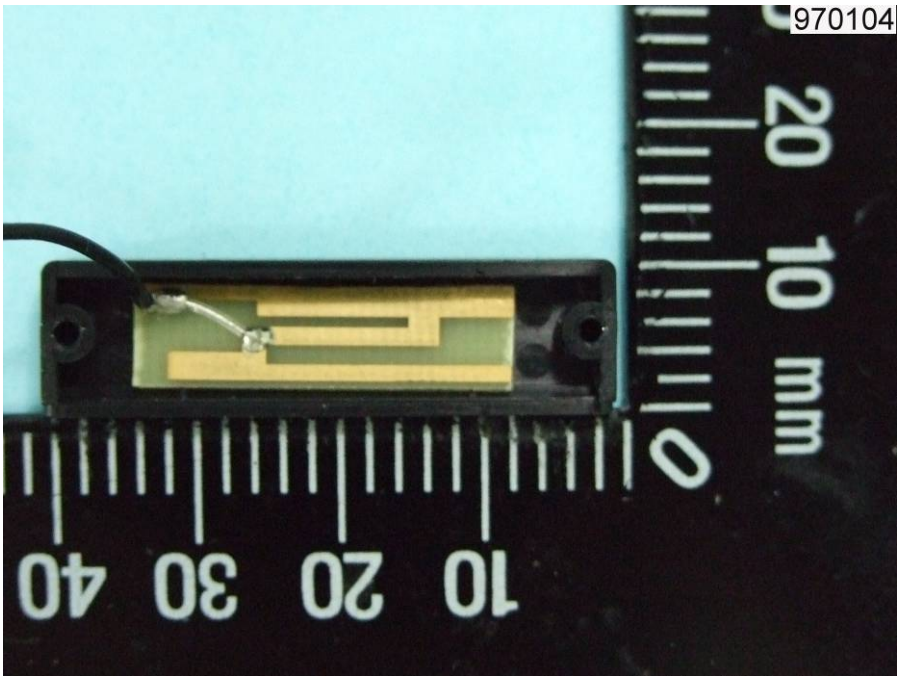
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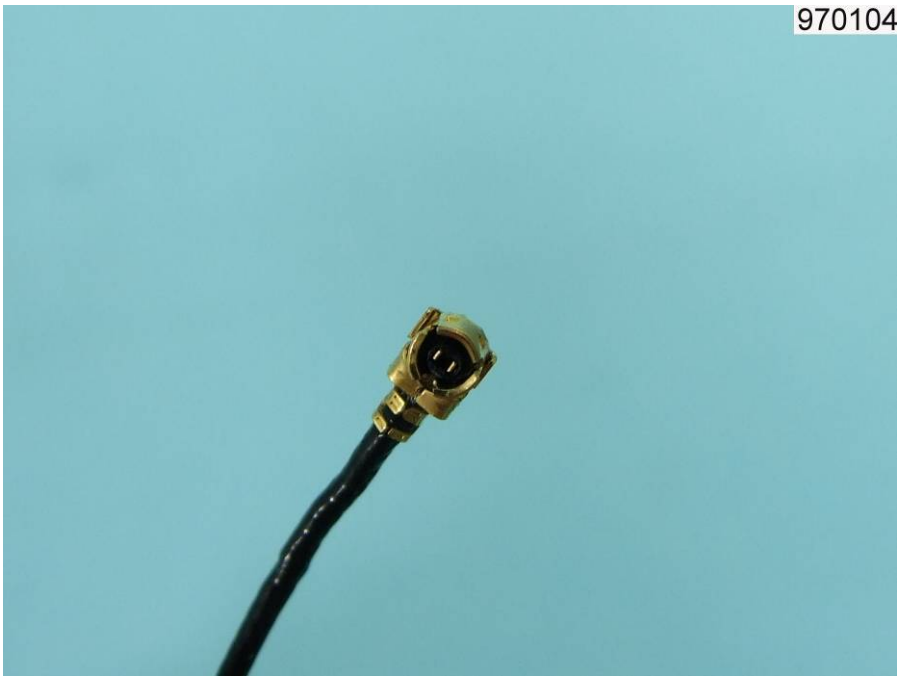
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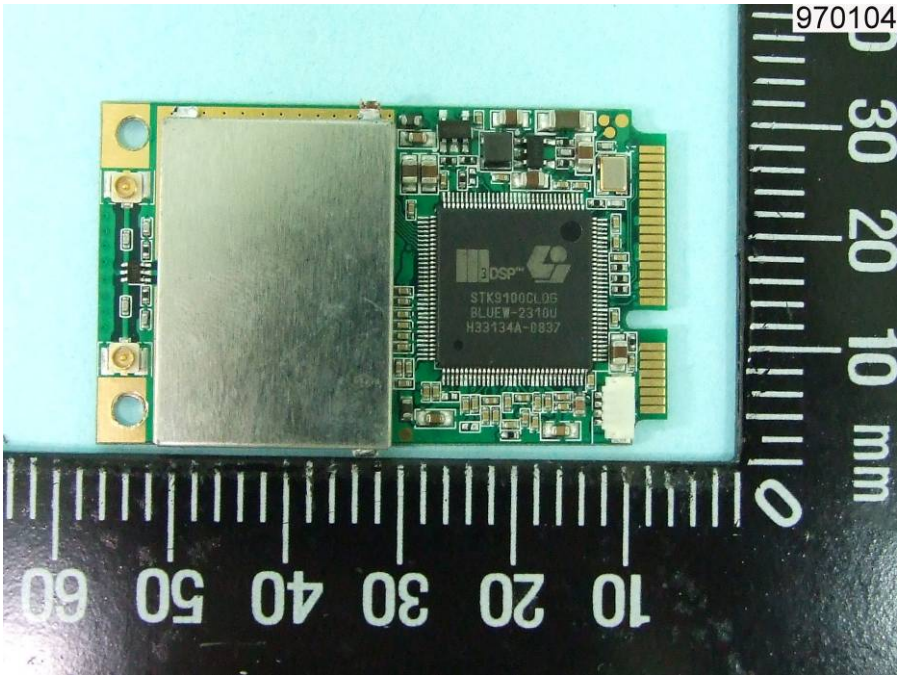
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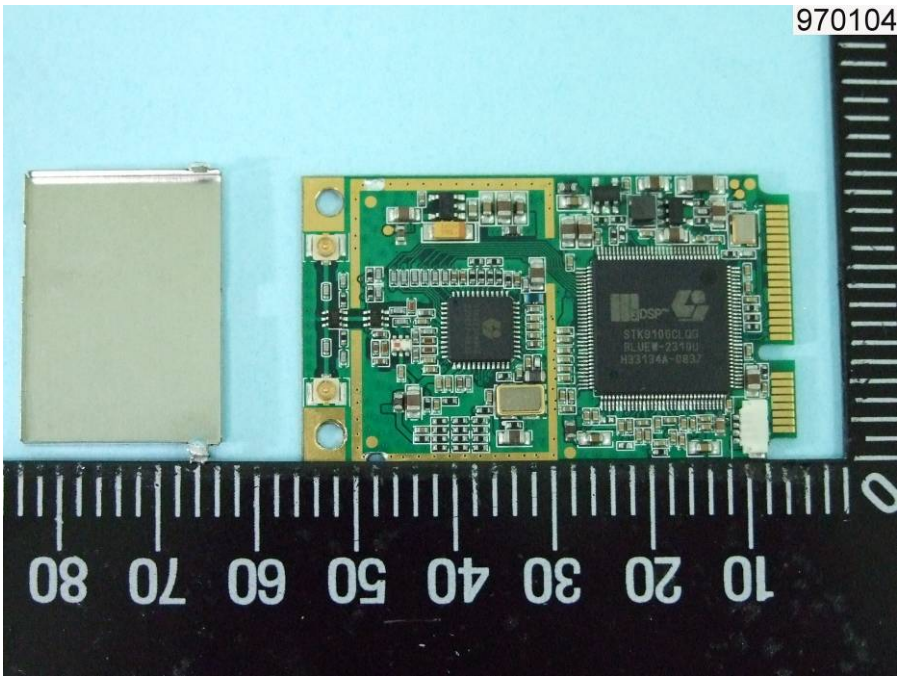
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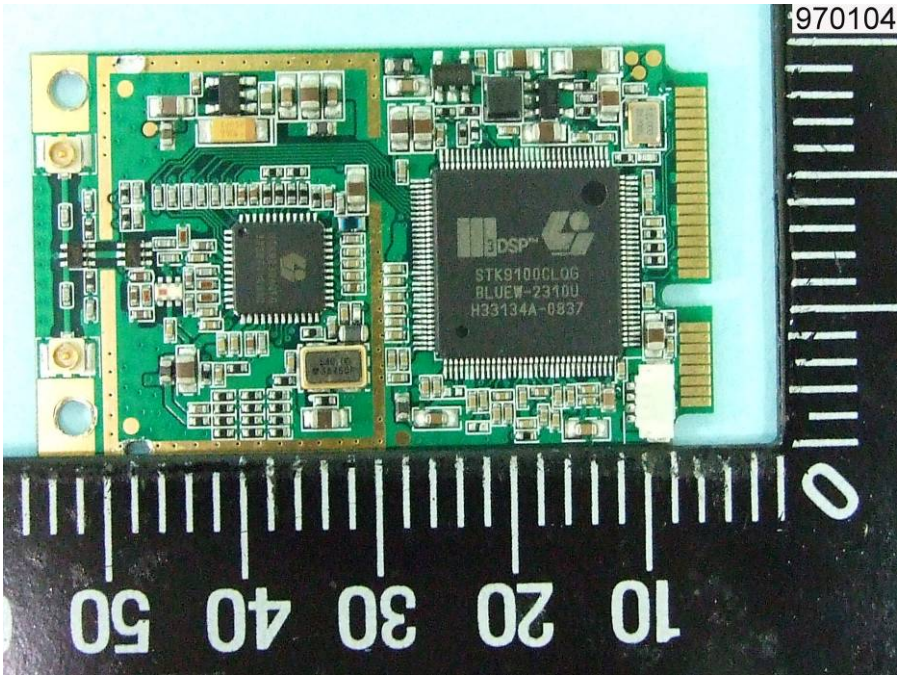
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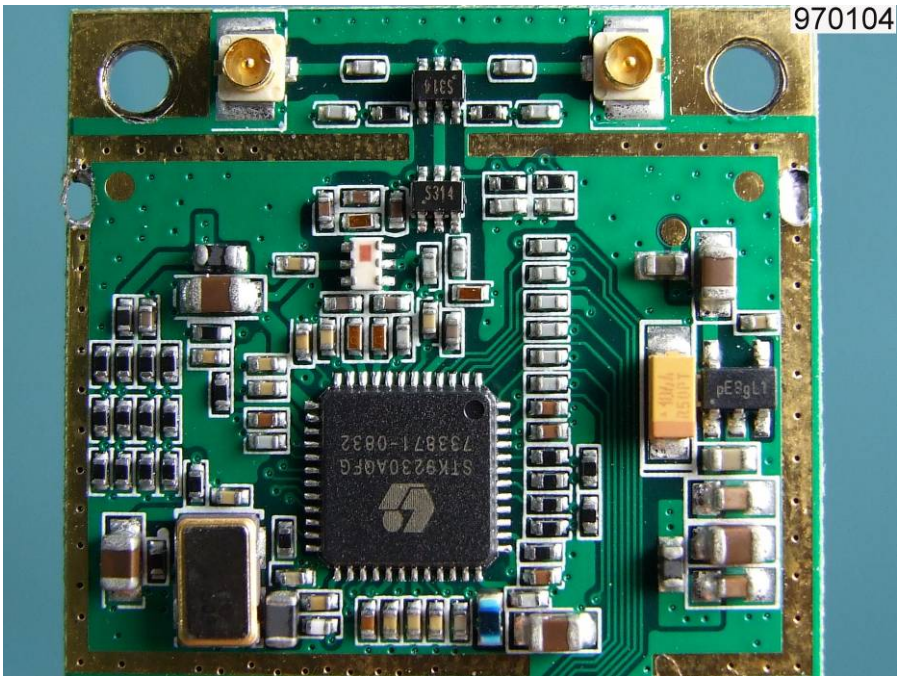
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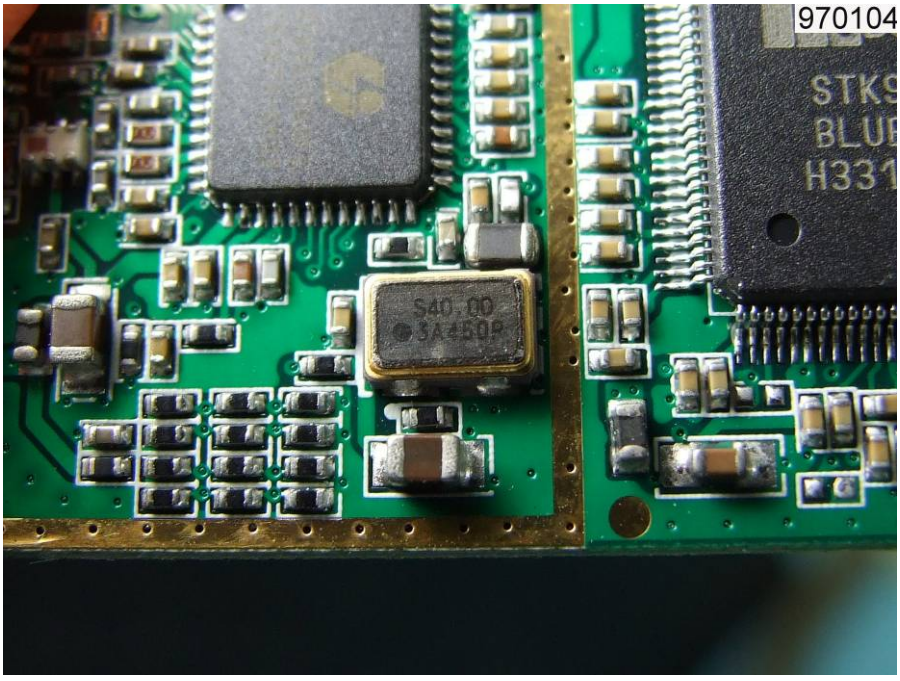
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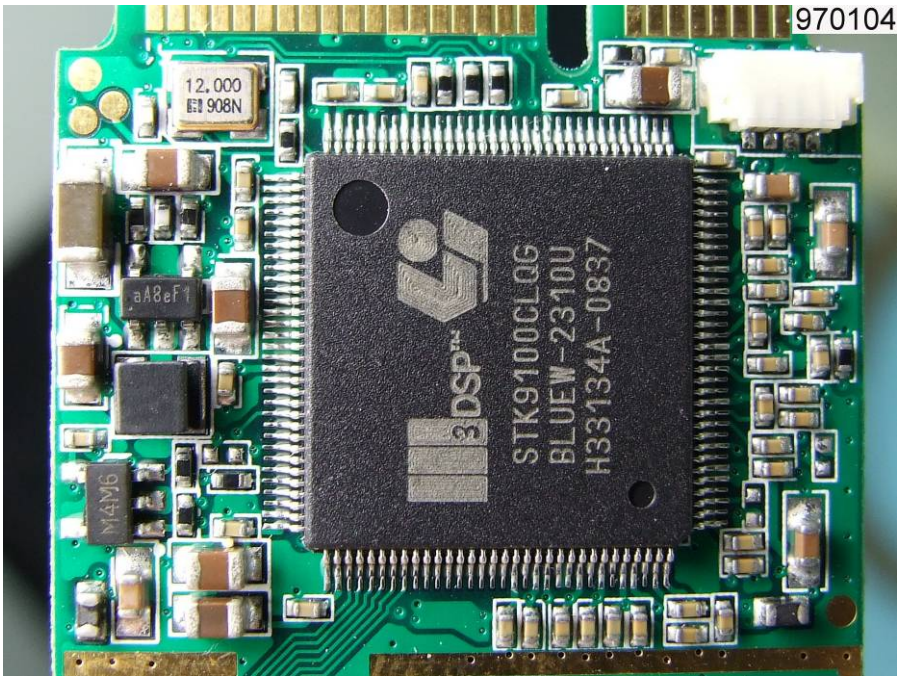
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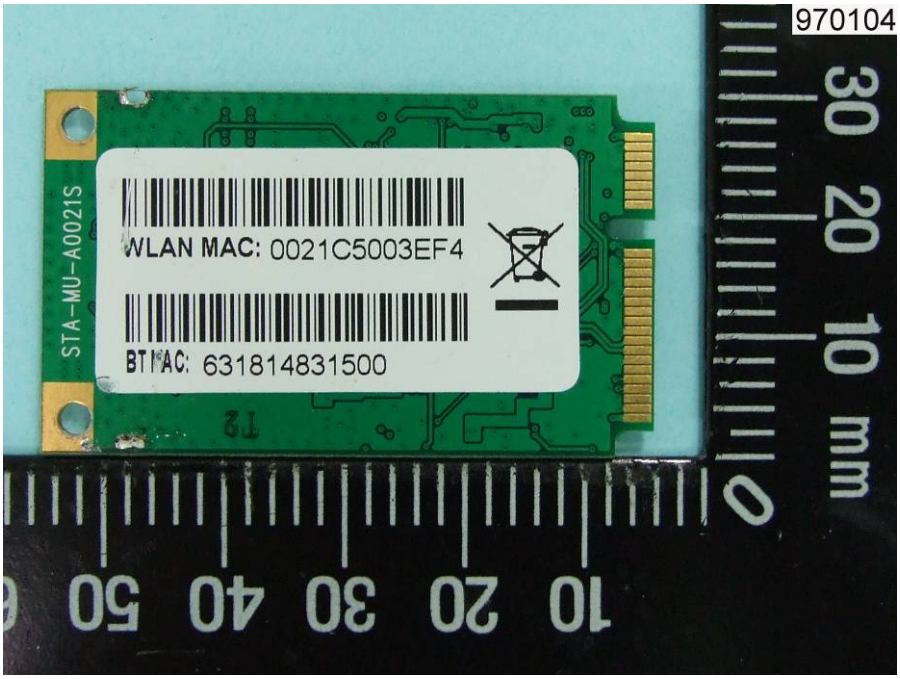
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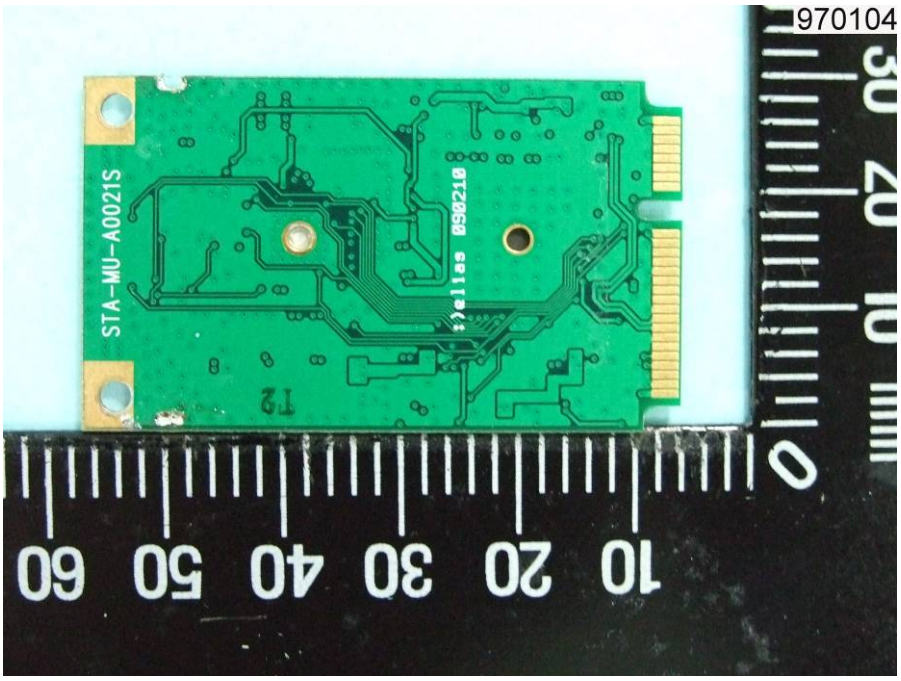
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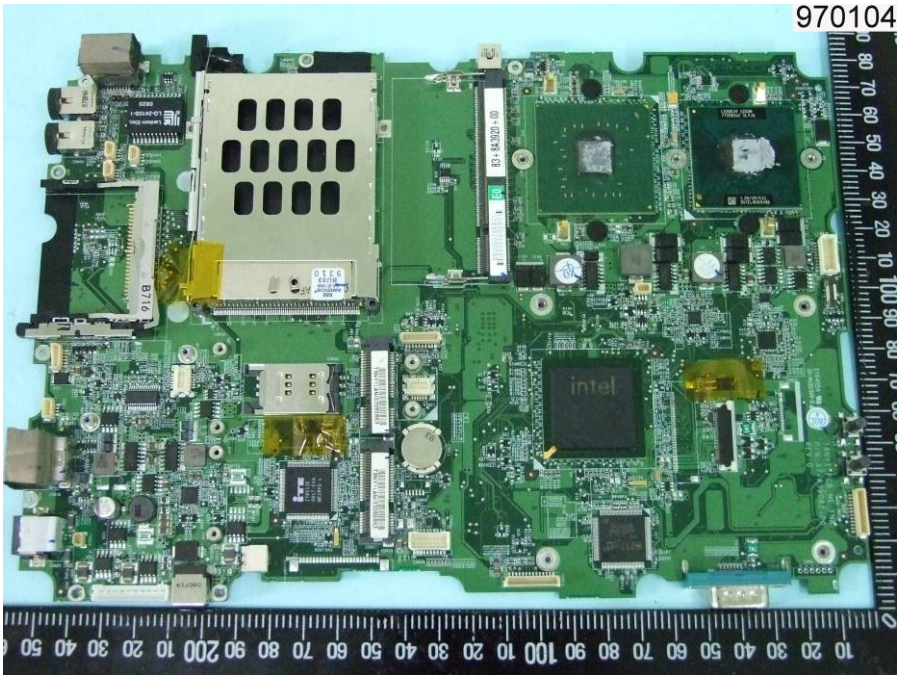
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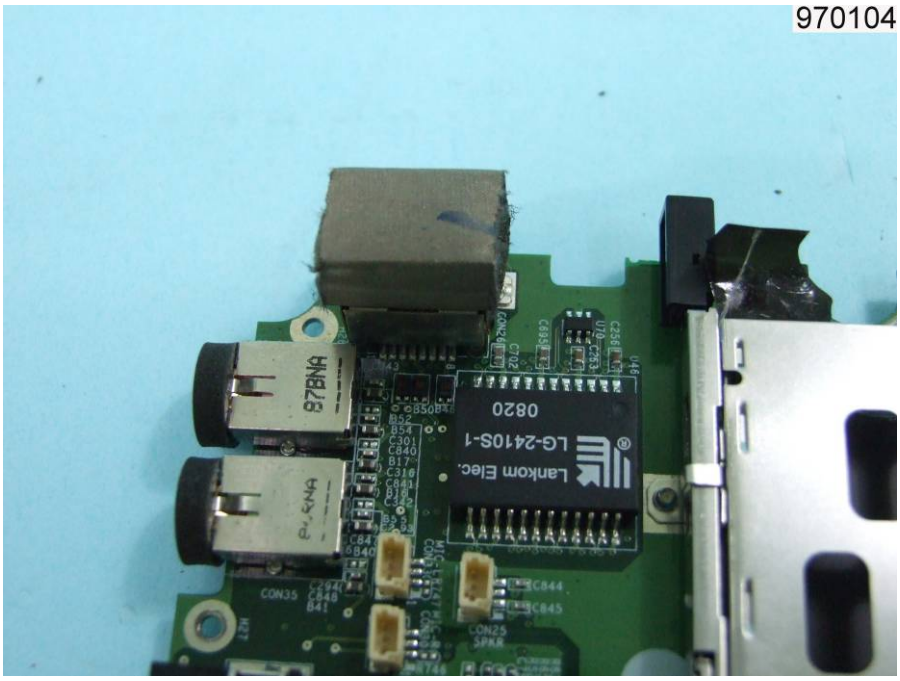

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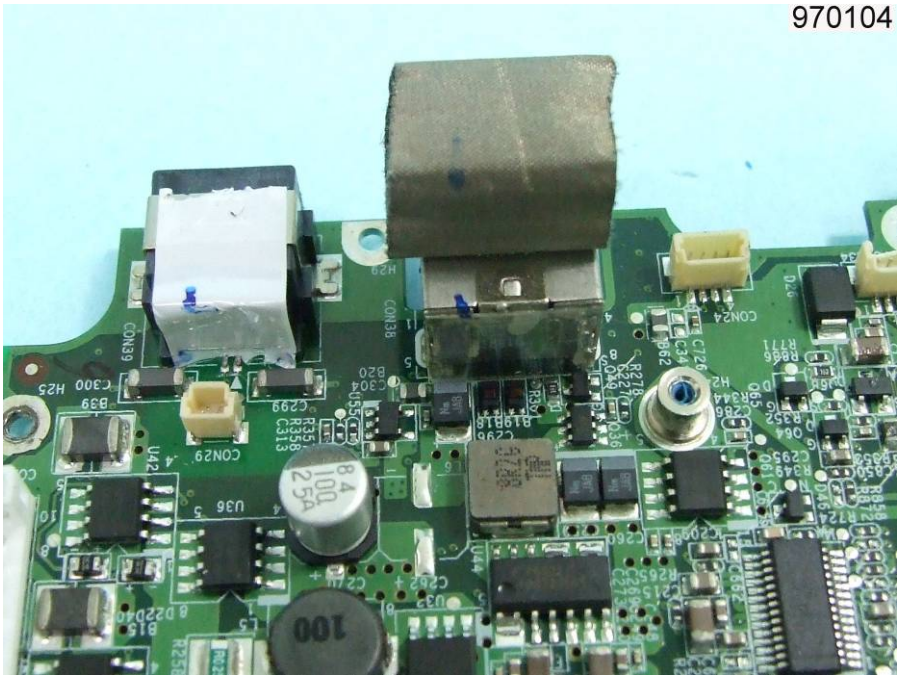


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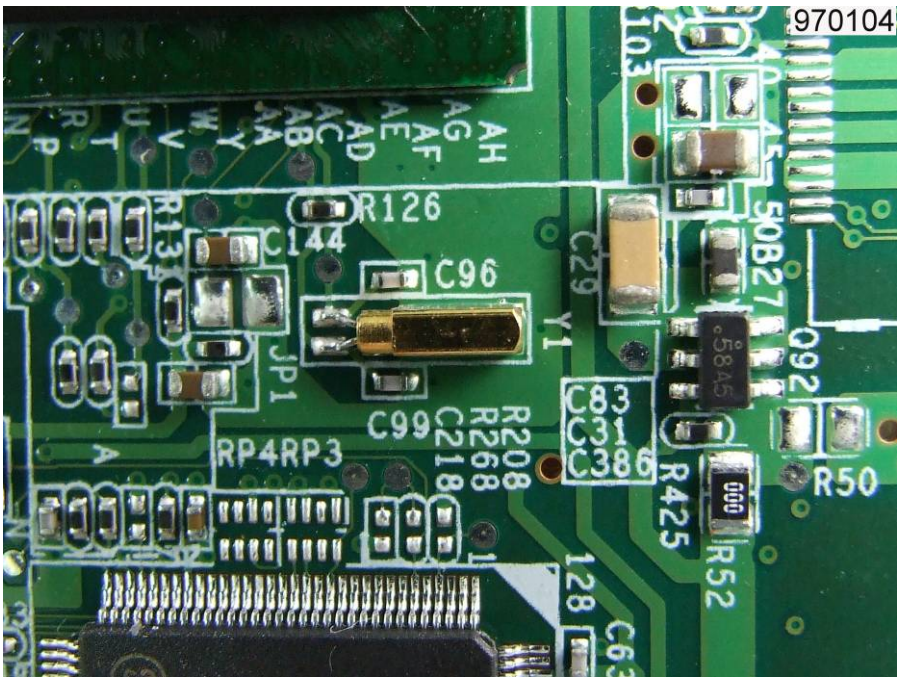
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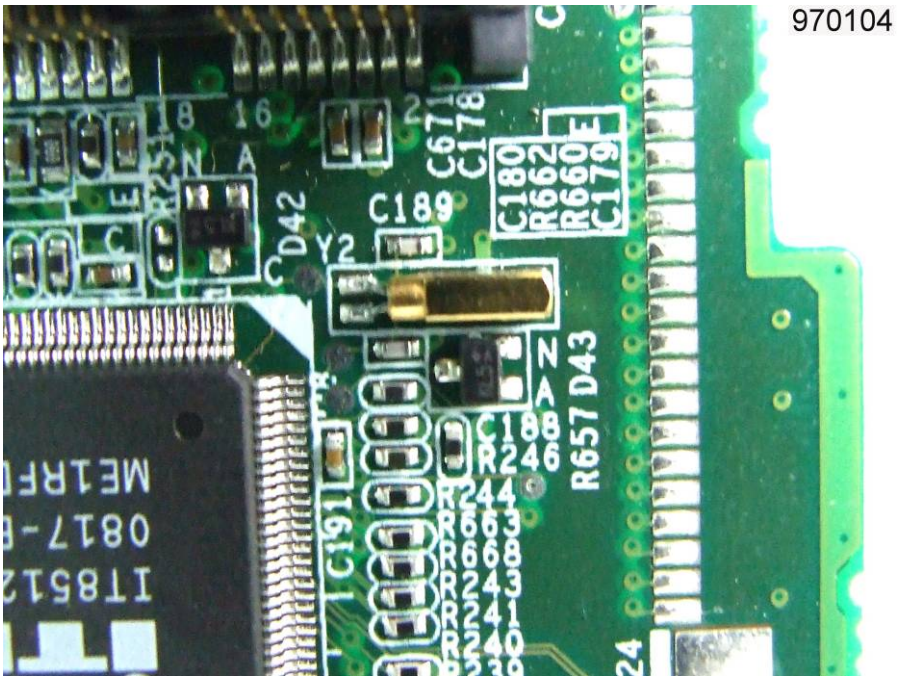
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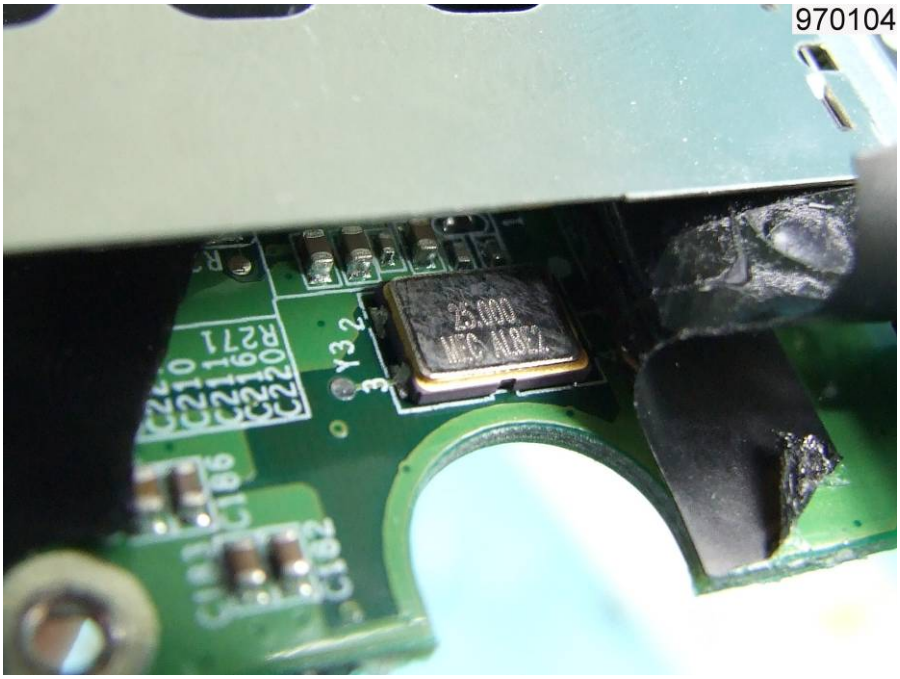
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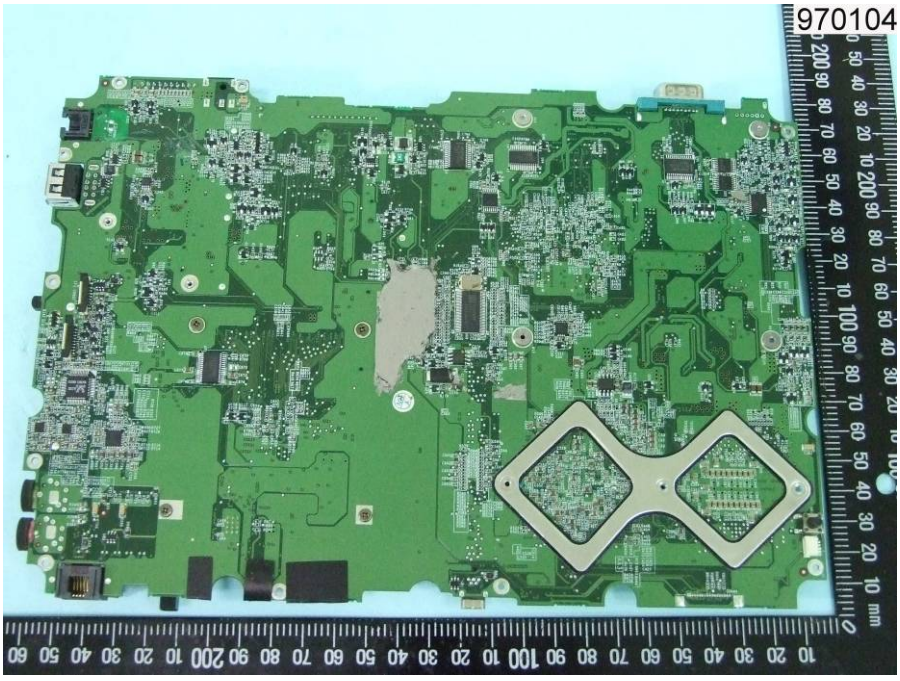
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970104
LI SHIN INTERNATIONAL ENTERPRISE CORP.
AC ADAPTER 交流适配器/電源供應器
MODEL : 型号/型號: 0335A2065
INPUT : 輸入/輸入: 100-240V~,50-60Hz 1.7A
OUTPUT : 輸出/輸出: 20V ⎓ 3.25A
WARNING: 注意:
RISK OF ELECTRIC SHOCK DO NOT OPEN
For Indoor Use Only 仅限室内设备使用/ 僅限室內設備使用
"Apparatet må tilkoples jordet stikkontakt"
"Apparaten skall anslutas till jordat uttag"
"Laite on liitettävä suojamaadoitus-koskettimilla varustettuun pistorasiaan"
For IEC60950-1 products only
45XK
LISTED E193430 LR114321
I.T.E. POWER SUPPLY
Q031514
N136 R43011 BZ02
A30847089256
MADE IN CHINA 中国制造/中國製造 TY03
20035LF-A618


970104