



SPORTON LAB.

Certificate No:EQ7D1802

CERTIFICATE

● **EQUIPMENT** : Neo 1973
TRADE NAME : FIC
MODEL NO. : GTA02
APPLICANT : FIC (First International Computer, Inc.)
1-9F., No. 300, Yang Guang, NeiHu, Taipei, Taiwan, 114



I HEREBY

CERTIFY THAT:

THE MEASUREMENTS SHOWN IN THIS TEST REPORT WERE MADE IN ACCORDANCE WITH THE PROCEDURES GIVEN IN **EUROPEAN COUNCIL DIRECTIVE 1999/5/EC**. THE EQUIPMENT WAS **PASSED** THE TEST PERFORMED ACCORDING TO **EN 300 440-2 V1.1.2 (2004-07)**. THE TEST WAS CARRIED OUT ON Dec. 21, 2007 AT **SPORTON INTERNATIONAL INC. LAB.**

Roy Wu
Manager

CE Radio Test Report

According to

EN 300 440-2 V1.1.2 (2004-07)

Equipment : Neo 1973

Trade Name : FIC

Model No. : GTA02

Applicant : FIC (First International Computer, Inc.)

1-9F., No. 300, Yang Guang, NeiHu, Taipei, Taiwan, 114

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- This test report is only applicable to European Community.
- Report Version: Rev. 01

SPORTON International Inc.

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

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CERTIFICATE OF COMPLIANCE

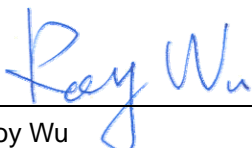
According to

EN 300 440-2 V1.1.2 (2004-07)

Equipment : Neo 1973
Trade Name : FIC
Model No. : GTA02
Applicant : FIC (First International Computer, Inc.)
1-9F., No. 300, Yang Guang, NeiHu, Taipei, Taiwan, 114

I **HEREBY** CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in **EUROPEAN COUNCIL DIRECTIVE 1999/5/EC**. The equipment was **passed** the test performed according to **EN 300 440-2 V1.1.2 (2004-07)**. The test was carried out on Dec. 21, 2007 at **SPORTON International Inc. LAB.**



Roy Wu
Manager

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

FIC (First International Computer, Inc.)
 1-9F., No. 300, Yang Guang, NeiHu, Taipei, Taiwan, 114

1.2 Manufacturer

First International Computer (Suzhou) Inc.
 No. 200, Central Suhong Road, SuZhou Industrial Park, China

1.3 Basic Description of Equipment under Test

Equipment	Neo 1973	
Trade Name	FIC	
Model Name	GTA02	
AC Adapter	Manufacture	AKII TECHNOLOGY CO., LTD.
	Brand Name	AKII Technology
	Model Name	A10P1-05MP
	Power Rating	I/P:100-240 Vac, 47-63 Hz, 0.3A; O/P: 5Vdc, 2.0A
	AC Power Cord Type	1.49 meter non-shielded cable without ferrite core
Battery	Manufacture	WELLDONE COMPANY
	Brand Name	FIC
	Model Name	GTC-01 / GTA-01
	Rating	3.7Vdc, 1200mAh
	Type	Li-ion
Earphone	Brand Name	Xport
	Model Name	Ko-11-1020a
	Signal line Type	1.42 meter non-shielded cable without ferrite core
USB Cable	Brand Name	Golden Bridge
	Model Name	AS52-0607007
	Signal Line Type	1.29 meter non-shielded cable without ferrite core

Remark: Above EUT's information was declared by manufacturer. Please refer to the specifications of manufacturer or User's Manual for more detailed features description.

1.4 Feature of Equipment under Test

Product Feature & Specification			
1. Tx Frequency	GSM900 : 880-915MHz DCS1800 : 1710 ~ 1785MHz Bluetooth : 2400 ~ 2483.5MHz WLAN : 2400 ~ 2483.5MHz GPS : 1575.42MHz		
2. Rx Frequency	GSM900 : 925-960MHz DCS1800 : 1805 ~ 1880MHz Bluetooth : 2400 ~ 2483.5MHz WLAN : 2400 ~ 2483.5MHz GPS : 1575.42MHz		
3. Number of Channels	Bluetooth : 79 Channels WLAN : 11 Channels		
4. Carrier Frequency of Each Channel	Bluetooth : 2402+n*1 MHz; n=0~78 WLAN : 2412+(n-1)*5 MHz; n=1~11		
5. Antenna Type	GSM900 / DCS1800 : Monopole Antenna Bluetooth : Chip Antenna WLAN : Chip Antenna GPS : Ceramic Antenna		
6. Antenna Gain	GSM900 / DCS1800 : 0.07 dBi Bluetooth : -4.84 dBi WLAN : -3 dBi GPS: 0.5 dBi		
7. Power Rating	Battery : DC 3.7V Adapter : AC 100-240V		
8. HW Version	A5		
9. SW Version	Moko5		
10. Type of Modulation	GSM : GMSK Bluetooth : GFSK Bluetooth EDR : $\pi/4$ -DQPSK, 8-DPSK WLAN : DSSS, OFDM		
11. Type of Antenna Connector	N/A		
12. DUT Stage	Identical Prototype		
13. Function Type	Transmitter		Receiver V

1.5 List of Measurements

Clause	Test Parameter	Remarks
Transmitter parameters		
7.1	Equivalent isotropic radiated power (EIRP)	Not applicable
7.2	Permitted range of operating frequencies	Not applicable
7.3	Spurious emissions	Not applicable
7.4	Duty cycle	Not applicable
Receiver requirements		
8.1	Adjacent channel selectivity-in band	Not applicable
8.2	Adjacent band selectivity	Not applicable
8.3	Blocking or desensitization	Not applicable
8.4	Spurious radiations	Applicable

2 Test Configuration of Equipment under Test

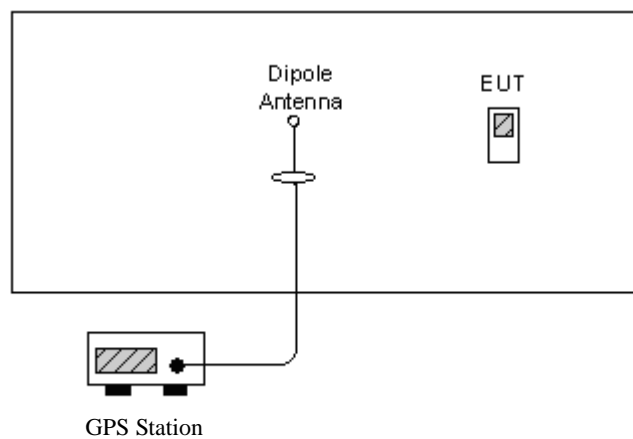
2.1 Test Manner

- a. During testing, the interface cables and equipment positions were varied according to European Standard EN 300 440-2 V1.1.2 (2004-07).
- b. Frequency range investigated: 25MHz to 16000MHz.

2.2 Description of Test System

Item	Equipment	Trade Name	Model Name	Data Cable / Power Cord
1.	GPS Station	T&E	GP-50	Unshielded, 1.8 m

2.3 Connection Diagram of Test System



3 General Information of Test

3.1 Test Facility

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park,
Kwei-Shan Hsiag, Tao Yuan Hsien, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-328-4978
Test Site No. : 05CH02-HY

3.2 Test Voltage

DC 4.01V

3.3 Standard for Methods of Measurement

EN 300 440-2 V1.1.2 (2004-07)

4 Transmitter requirements

4.1 Equivalent Isotropic Radiated Power (EIRP) (SUBCLAUSE 4.1.1)

This requirement is not applicable to this device.

4.2 Permitted Range of Operating Frequencies (SUBCLAUSE 4.1.2)

This requirement is not applicable to this device.

4.3 Spurious Emissions (SUBCLAUSE 4.1.3)

This requirement is not applicable to this device.

4.4 Duty Cycle (SUBCLAUSE 4.1.4)

This requirement is not applicable to this device.

5 Receiver requirements

5.1 Adjacent Channel Selectivity - In Band (SUBCLAUSE 4.2.1)

This requirement is not applicable to this EUT.

5.2 Adjacent Band Selectivity (SUBCLAUSE 4.2.2)

This requirement is not applicable to this EUT.

5.3 Blocking or Desensitization (SUBCLAUSE 4.2.3)

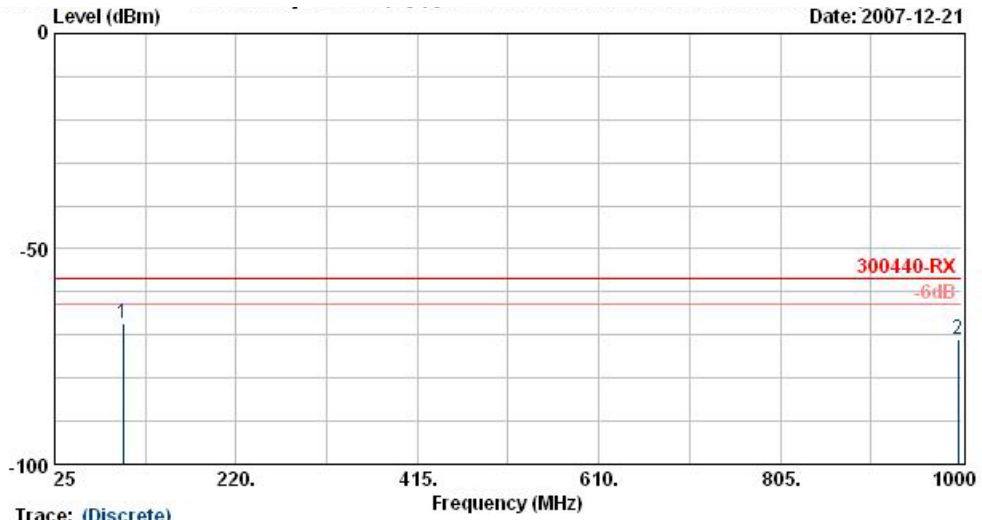
This requirement is not applicable to this EUT.

5.4 Spurious Radiations (SUBCLAUSE 4.2.4)

Ambient Temperature: 21~25°C

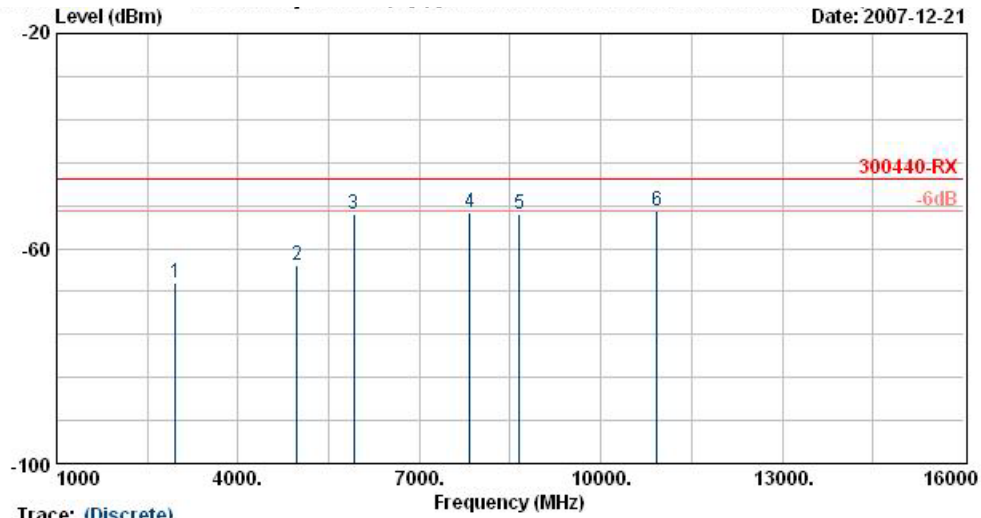
Relative Humidity: 51~54%

5.4.1 Polarization: Horizontal



Trace: (Discrete)
 Site : 05CH02-HV
 Condition : 300440-RX ETRP-LF-070915 HORIZONTAL
 EUT : Mobile Phone
 Power : Real Battery(4.01V)
 Model : EQ 7D1802
 Mode : GPS Rx

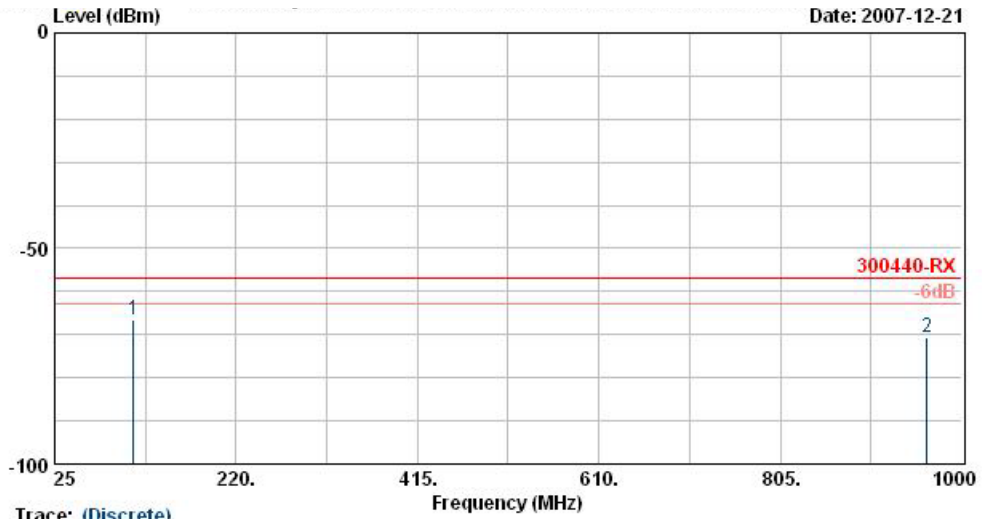
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
			dB	dBm	dBm	dB	
1	98.43	-67.27	-10.27	-57.00	-62.35	-4.92	HORIZONTAL
2	995.80	-71.04	-14.04	-57.00	-76.10	5.06	HORIZONTAL



Trace: (Discrete)
 Site : 05CH02-HV
 Condition : 300440-R7 ETRP-NOHFP-070505 HORIZONTAL
 EUT : Mobile Phone
 Power : Real Battery(4.01V)
 Model : EQ 7D1802
 Mode : GPS Rx

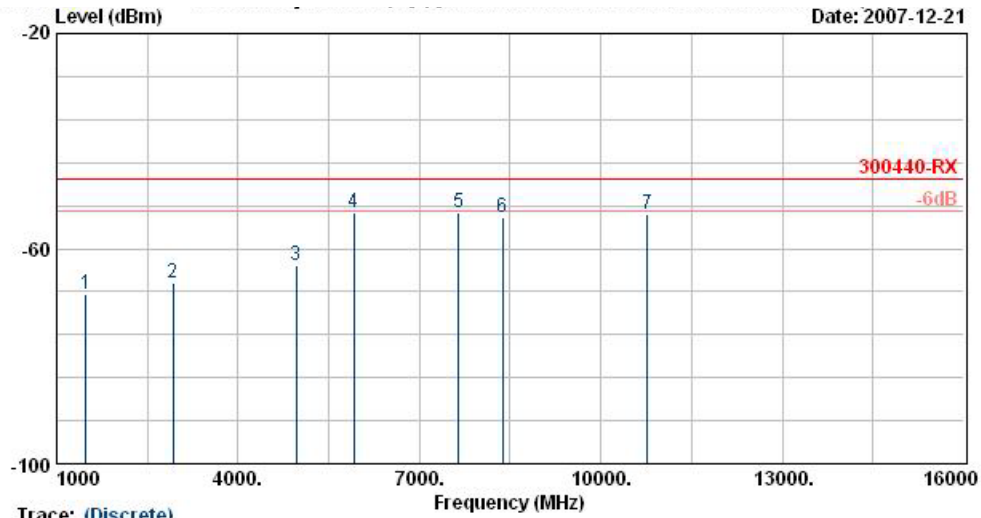
	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
			dB	dBm	dBm	dB	
1	2958.00	-66.37	-19.37	-47.00	-76.00	9.63	HORIZONTAL
2	4978.00	-63.08	-16.08	-47.00	-80.07	16.99	HORIZONTAL
3	5912.00	-53.68	-6.68	-47.00	-73.51	19.84	HORIZONTAL
4	7832.00	-53.40	-6.40	-47.00	-79.26	25.86	HORIZONTAL
5	8658.00	-53.49	-6.49	-47.00	-79.96	26.47	HORIZONTAL
6 @	10927.00	-53.15	-6.15	-47.00	-81.69	28.54	HORIZONTAL

5.4.2 Polarization: Vertical



Trace: (Discrete)
 Site : 05CH02-HY
 Condition : 300440-RX ETRP-LF-070915 VERTICAL
 EUT : Mobile Phone
 Power : Real Battery(4.01V)
 Model : EQ 7D1802
 Mode : GPS Rx

	Freq	Level	Over	Limit	Read	Factor	Pol/Phase
	MHz	dBm	Limit	Line	Level	dB	
			dB	dBm	dBm		
1	109.43	-66.55	-9.55	-57.00	-62.90	-3.65	VERTICAL
2	962.90	-70.57	-13.57	-57.00	-75.45	4.88	VERTICAL



Trace: (Discrete)
 Site : 05CH02-HV
 Condition : 300440-R7 ETRP-NOHFP-070505 VERTICAL
 EUT : Mobile Phone
 Power : Real Battery(4.01V)
 Model : EQ 7D1802
 Mode : GPS Rx

	Freq	Level	Over	Limit	Read		
	MHz	dBm	Limit	Line	Level	Factor	Pol/Phase
			dB	dBm	dBm	dB	
1	1478.00	-68.35	-21.35	-47.00	-70.00	1.65	VERTICAL
2	2918.00	-66.47	-19.47	-47.00	-76.09	9.63	VERTICAL
3	4964.00	-63.07	-16.07	-47.00	-79.97	16.90	VERTICAL
4	5912.00	-53.26	-6.26	-47.00	-73.10	19.84	VERTICAL
5 @	7646.00	-53.20	-6.20	-47.00	-78.66	25.46	VERTICAL
6	8378.00	-54.12	-7.12	-47.00	-80.50	26.37	VERTICAL
7	10762.00	-53.46	-6.46	-47.00	-81.56	28.10	VERTICAL

Remark: There is no more obvious spurious emission except the listings above.

LIMITS: SUBCLAUSE 8.4.5

Frequency range	25MHz to 1000MHz	Above 1GHz
Power limits	2 nW/-57dBm	20 nW/-47dBm

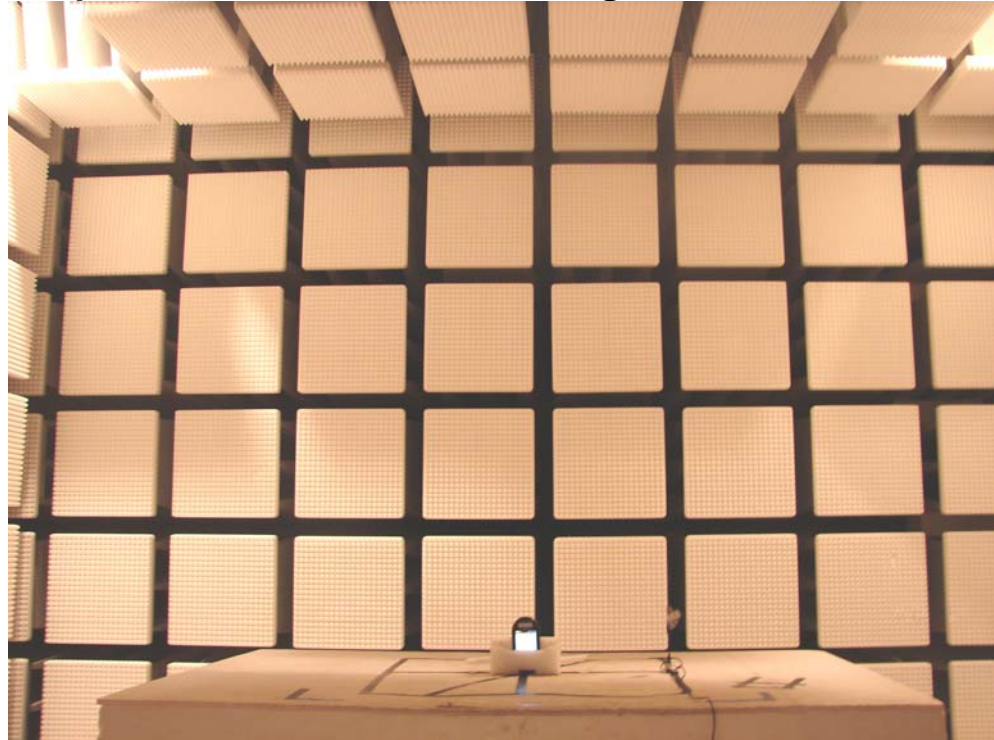
Limit kept

Yes

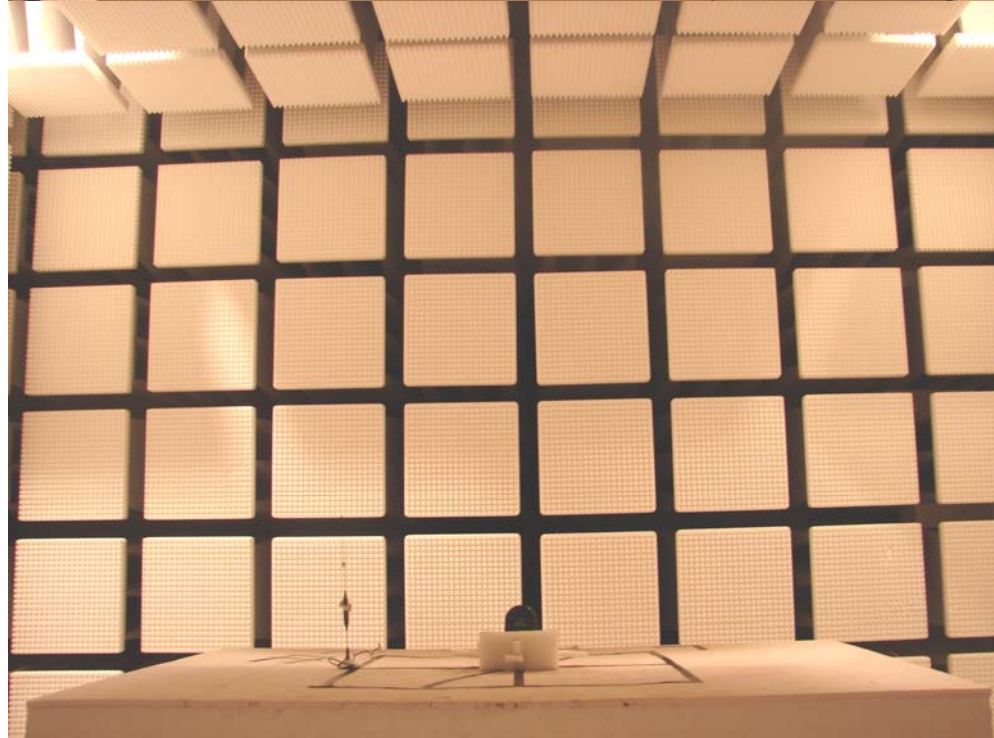
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6 Photographs of Spurious Emissions Test Configuration

Front View



Rear View



7 List of Measuring Equipment Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
Spectrum Analyzer	Agilent	E4408B	MY44211028	9KHz-26.5GHz	Jul. 27, 2006	Jul. 26, 2008	Radiation (05CH02-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2892	25MHz -2GHz	Jul. 20, 2006	Jul. 19, 2008	Radiation (05CH02-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071027	1G-18G	Apr. 14, 2007	Apr. 13, 2009	Radiation (05CH02-HY)
Double Ridge Horn Antenna	Training Research	AF-0801	95119	8G~18G	Nov. 27, 2006	Nov. 26, 2008	Radiation (05CH02-HY)
Amplifier	Mini Circuit	ZKL-2	D072104	30~2000MHz	Nov. 20, 2007	Nov. 19, 2008	Radiation (05CH02-HY)
Amplifier	Agilent	8449B	3008A02321	1G~26.5G	Dec. 18, 2007	Dec. 17, 2008	Radiation (05CH02-HY)
DC Power Supply	Topward	3303D	740889	N/A	N/A	N/A	Radiation (05CH02-HY)

Appendix A. Photographs of EUT









