FCC TEST REPORT

CATEGORY	:	Portable
PRODUCT NAME	:	PATEN Wireless Optical Travel Mouse
FCC ID.	:	03L-PT-04-MF
FILING TYPE	:	Certification
BRAND NAME	:	PATEN
MODEL NAME	:	PT-2004-MF
APPLICANT	:	**Paten Wireless Technology Inc.** 8F, No.407, Zui Kuang RD. NeiHu District, Taipei 114, Taiwan R.O.C.
MANUFACTURER	:	**Weifu and Plastic Mold Factory** DaBanDe, DaNing, Human, DongGuan, GuangDong, China.
ISSUED BY	:	**SPORTON INTERNATIONAL INC.** 6F, No. 106, Sec. 1, Hsin Tai Wu Rd., His Chih, Taipei Hsien, Taiwan, R.O.C.

Statements:

The test result in this report refers exclusively to the presented test model / sample.
Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

Certificate or Test Report could not be used by the applicant to claim the product endorsement by CNLA and any agency of U.S. government.

The test equipments used to perform the test are calibrated and traceable to NML/ROC or NIST/USA.

1190
ILAC MRA

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HISTORY OF THIS TEST REPORT

Received Date: Jan. 31, 2005
Test Date: Feb. 25, 2005
Original Report Issue Date: Mar. 18, 2005
Report No.: FR513102

■ No additional attachment.
☐ Additional attachment were issued as following record:

Attachment No.	Issue Date	Description

CERTIFICATE OF COMPLIANCE

with

47 CFR FCC Part 15 Subpart C

PRODUCT NAME	:	PATEN Wireless Optical Travel Mouse
BRAND NAME	:	PATEN
MODEL NAME	:	PT-2004-MF
APPLICANT	:	**Paten Wireless Technology Inc.** 8F, No.407, Zui Kuang RD. NeiHu District, Taipei 114, Taiwan R.O.C.
MANUFACTURER	:	**Weifu and Plastic Mold Factory** DaBanDe, DaNing, Human, DongGuan, GuangDong, China.

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 all test are performed according to 47 CFR FCC Part 15 Subpart C. Testing was carried out on Feb. 25, 2005 at SPORTON International Inc. LAB.

Dr. Alan Lane
Vice General Manager
Sporton International Inc.

1. General Description of Equipment under Test

1.1. Applicant

Paten Wireless Technology Inc.
8F, No.407, Zui Kuang RD. NeiHu District, Taipei 114, Taiwan R.O.C.

1.2. Manufacturer

Weifu and Plastic Mold Factory
DaBanDe, DaNing, Human, DongGuan, GuangDong, China.

1.3. Basic Description of Equipment under Test

The EUT includes 27MHz wireless mouse and its receiver with FSK modulation solution. The receiver used to be plugged on the USB port of the computer. The test report is only for Tx (Mouse). Please refer to "Features of Equipment under Test."

1.4. Features of Equipment under Test

Items	Description
Type of Modulation	FSK
Number of Channels	1
Frequency Band	27.045MHz
Carrier Frequency	See section 1.5 for details
Channel Bandwidth	25kHz
Antenna Type	Loop Antenna
Communication Type	Simplex
Testing Duty Cycle	100.00%
Power Rating (DC/AC, Voltage)	3 VDC by battery / 5 VDC by charger
Test Power Source	110.00V AC
Temperature Range (Operating)	0 ~ 55 °C

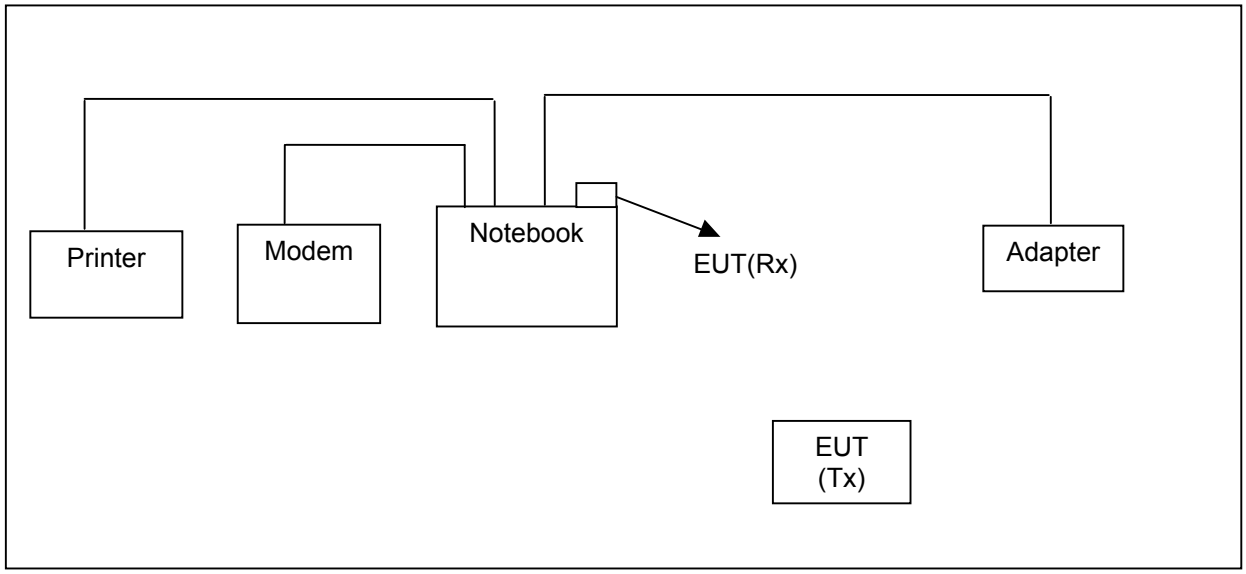
1.5. Table for Carrier Frequencies

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	27.045MHz	-	-	-	-	-	-

2. Test Configuration of the Equipment under Test

2.1. Connection Diagram of Test System

Tx powered by battery



2.2. The Test Mode Description

1. EUT is continuous transmitted data.
2. According to ANSI C63.4-2003: Frequency range of EUT is less than 1 MHz, so we only test the middle channel of EUT.

2.3. Description of Test Supporting Units

Support unit	Brand	Model No.	Serial No.	FCC ID	Data cable (m)
Notebook	DELL	PP01L	SP0005	DoC	-
Printer	EPSON	Stylus Color 680	SP0016	DoC	1.35
Modem	ACEEX	CM141	-	DoC	1.15

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 886-3-318-0055
Test Site No	:	03CH03-HY / CO01-HY

3.2. Standards for Methods of Measurement

Here is the list of the standards followed in this test report.

ANSI C63.4-2003

47 CFR FCC Part 15 Subpart C

3.3. DoC Statement

This EUT is also classified as a device of computer peripheral Class B which DoC has to be followed. It has been verified according to the rule of 47 CFR part 15 Subpart B, and found that all the requirements has been fulfilled.

3.4. Frequency Range Investigated

Radiated emission test: from 30 MHz to 10th carrier harmonic

3.5. Test Distance

The test distance of radiated emission (30MHz~1GHz) test from antenna to EUT is 3 M.
The test distance of radiated emission (1GHz~10th carrier harmonic) test from antenna to EUT is 3 M.

3.6. Test Software

During testing, there is no test software for the test.

4. List of Measurements

4.1. Summary of the Test Results

Applied Standard: 47 CFR FCC Part 15 Subpart C			
Paragraph	**FCC Section**	**Description of Test**	**Result**
5.1	15.227(a)	Maximum Field Strength of Fundamental	Pass
5.2	15.207	AC Power Line Conducted Emission	Pass
5.2.8	15.227(b)	Spurious Radiated Emission	Pass
5.4	15.203	Antenna Requirement	Pass

5. Test Result

5.1. Test of Maximum Field Strength of Fundamental

5.1.1. Applicable Standard

Section 15.227(a): The field strength of any emission within this band shall not exceed 10,000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

5.1.2. Measuring Instruments

Item 6~17 of the table is on section 6.

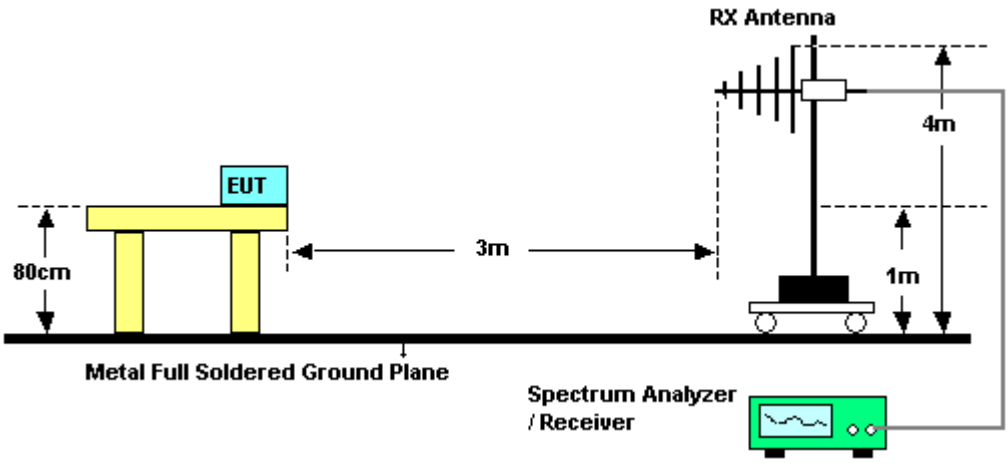
5.1.3. Description of Major Test Instruments Setting

- Test Receiver : (R&S ESCS 30)
  Attenuation : Auto
  Center Frequency : Carrier Frequency of EUT
  IF Bandwidth : 9 KHz

5.1.4. Test Procedures and Test Instruments Setting

1. Configure the EUT according to ANSI C63.4.
2. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
4. For carrier field strength emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. For carrier field strength emission, use 9kHz RBW of Receiver for reading under average and peak detector.

5.1.5. Test Setup Layout



5.1.6. Test Criteria

All test results complied with the requirements of 15.227(a). Measurement Uncertainty is 2.26dB.

5.1.7. Test Result of Maximum Field Strength

- Axis of Maximum Field Strength: X of X, Y, Z axes.
- Temperature: 22.8°C
- Relative Humidity: 52%
- Duty Cycle of the Equipment During the Test: 100%
- Test Engineer: Ted Chou

Channel No.	Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV/m)	Detector
01	27.045 MHz	41.37	-58.63	100.00	58.57	Peak
01	27.045 MHz	39.43	-40.57	80.00	57.14	Average

Note:

Correct Factor = Antenna Factor + Cable Loss - Preamp Factor.

Read Level = Level of Receiver or Spectrum.

Level = Read Level + Correct Factor.

5.2. Test of AC Power Line Conducted Emission

5.2.1. Applicable Standard

Section 15.207: For a Low-power Radio-frequency Device is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Frequency (MHz)	QP Limit (dBuV)	AV Limit (dBuV)
0.15~0.5	66~56	56~46
0.5~5	56	46
5~30	60	50

5.2.2. Measuring Instruments

Please reference item 1~5 in chapter 6 for the instruments used for testing.

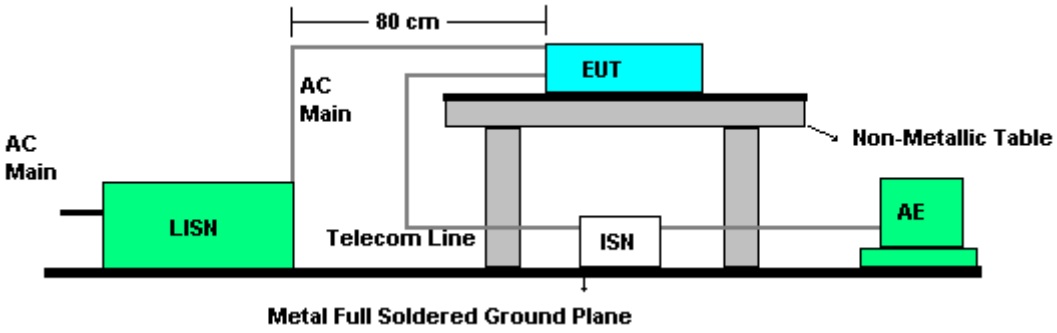
5.2.3. Description of Major Test Instruments Setting

- Test Receiver : R&S ESCS 30
  Attenuation : 10 dB
  Start Frequency : 0.15 MHz
  Stop Frequency : 30 MHz
  IF Bandwidth : 9 KHz

5.2.4. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN)
4. All the support units are connected to the other LISNs. The LISN should provides 50uH/50ohms coupling impedance.
5. The frequency range from 150 KHz to 30 MHz was searched.
6. Use the Channel & Power Controlling software to make the EUT working on selected channel and expected output power, then use the “H” Patter Generator software to make the supporting equipments stay on working condition.
7. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
8. The measurement has to be done between each power line and ground at the power terminal for each RF channel. Only one RF channel has to be investigated since this test is independent with the RF channel selection.

5.2.5. Test Setup Layout



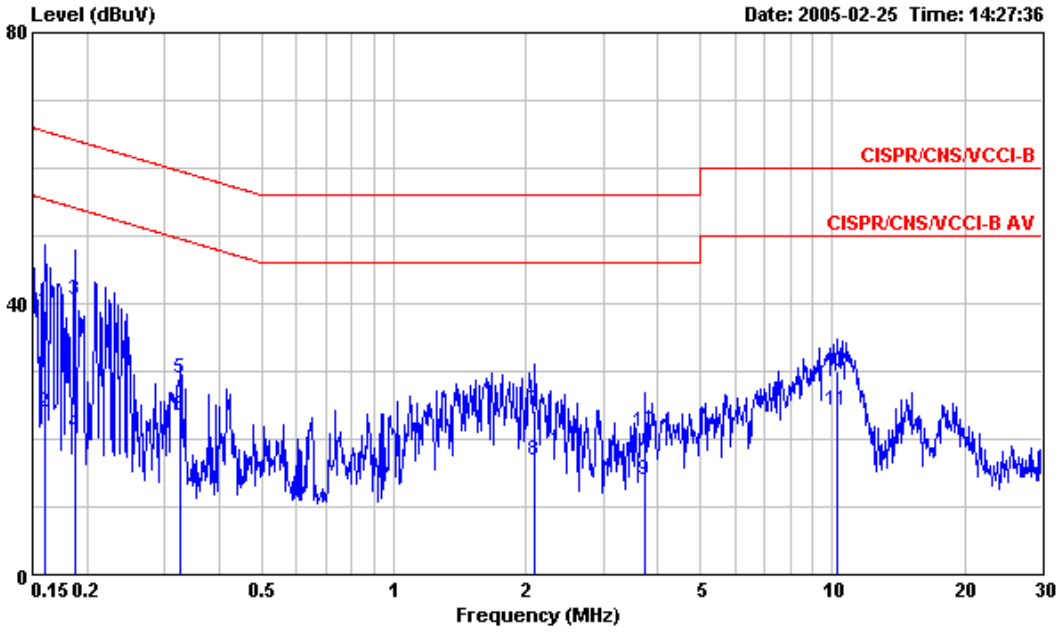
5.2.6. Test Criteria

All test results complied with the requirements of 15.207. Measurement Uncertainty is 2.54dB.

5.2.7. Test Result of Conducted Emission CH 01 / 27.045 MHz

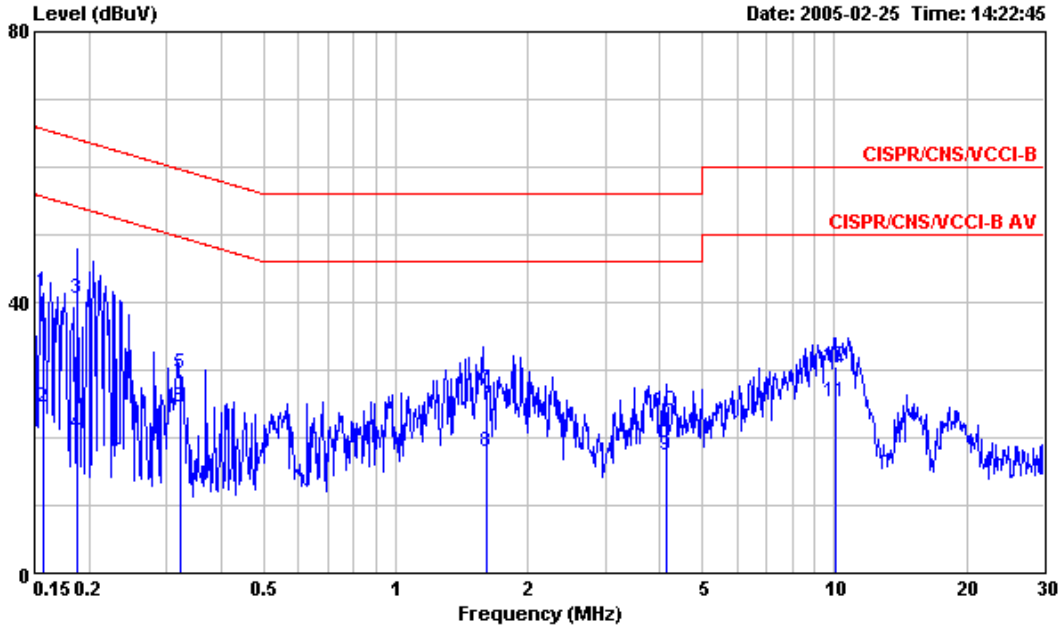
- Temperature: 24℃
- Relative Humidity: 53%
- Duty Cycle of the Equipment During the Test: 100%
- Test Engineer: Sky Wu
-

Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1606960	38.96	-26.47	65.43	38.44	0.06	0.46	
2	0.1606960	23.82	-31.61	55.43	23.30	0.06	0.46	Average
3	@0.1873850	40.44	-23.71	64.15	40.10	0.06	0.28	QP
4	0.1873850	20.76	-33.39	54.15	20.42	0.06	0.28	Average
5	0.3255660	28.86	-30.70	59.56	28.49	0.06	0.31	QP
6	0.3255660	23.31	-26.25	49.56	22.94	0.06	0.31	Average
7	2.100	24.30	-31.70	56.00	23.95	0.12	0.23	QP
8	2.100	16.94	-29.06	46.00	16.59	0.12	0.23	Average
9	3.741	14.07	-31.93	46.00	13.58	0.20	0.29	Average
10	3.741	20.98	-35.02	56.00	20.49	0.20	0.29	QP
11	10.290	24.29	-25.71	50.00	23.47	0.21	0.61	Average
12	10.290	29.92	-30.08	60.00	29.10	0.21	0.61	QP

Neutral

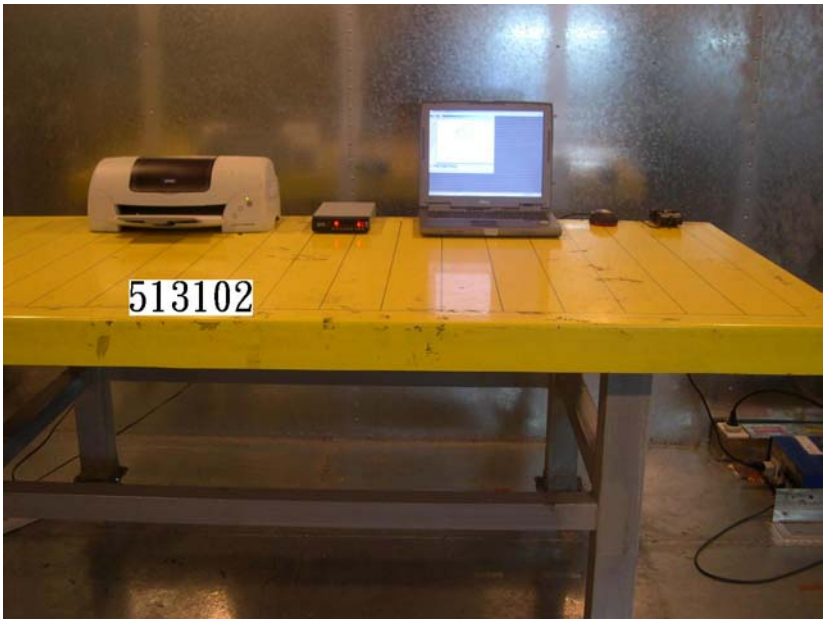


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1573850	41.55	-24.05	65.60	40.96	0.11	0.48	QP
2	0.1573850	24.57	-31.03	55.60	23.98	0.11	0.48	Average
3	@0.1873850	40.59	-23.56	64.15	40.20	0.11	0.28	QP
4	0.1873850	20.50	-33.65	54.15	20.11	0.11	0.28	Average
5	0.3233990	29.54	-30.08	59.62	29.12	0.11	0.31	QP
6	0.3233990	24.60	-25.02	49.62	24.18	0.11	0.31	Average
7	1.603	27.05	-28.95	56.00	26.47	0.23	0.35	QP
8	1.603	17.86	-28.14	46.00	17.28	0.23	0.35	Average
9	4.140	17.27	-28.73	46.00	16.74	0.23	0.30	Average
10	4.140	24.01	-31.99	56.00	23.48	0.23	0.30	QP
11	10.070	25.21	-24.79	50.00	24.31	0.33	0.57	Average
12	10.070	30.63	-29.37	60.00	29.73	0.33	0.57	QP

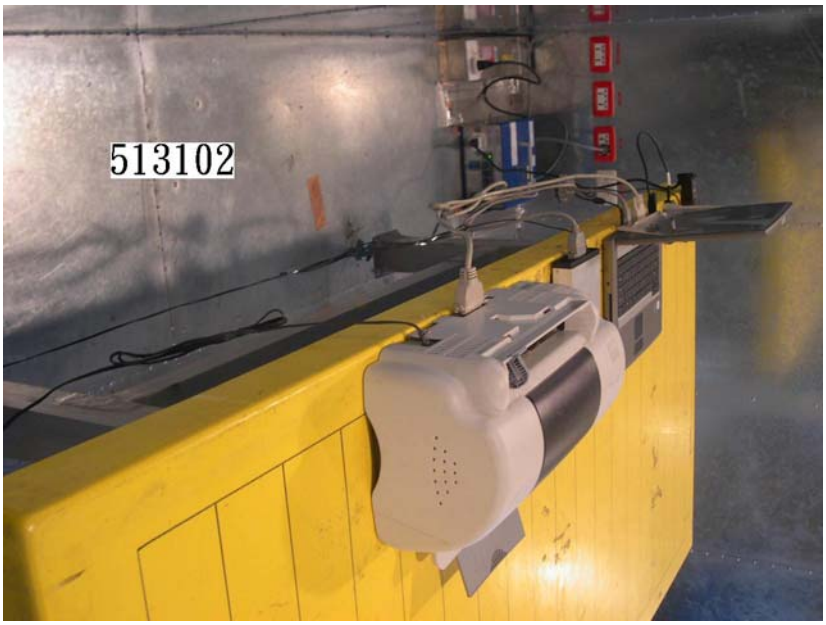
5.2.8. Photographs of Conducted Emission Test Configuration

Powered by system

FRONT VIEW



REAR VIEW



5.3. Test of Spurious Radiated Emission

5.3.1. Applicable Standard

Section 15.227(b): The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in Section 15.209.

5.3.2. Measuring Instruments

Please reference item 1~17 in chapter 6 for the instruments used for testing.

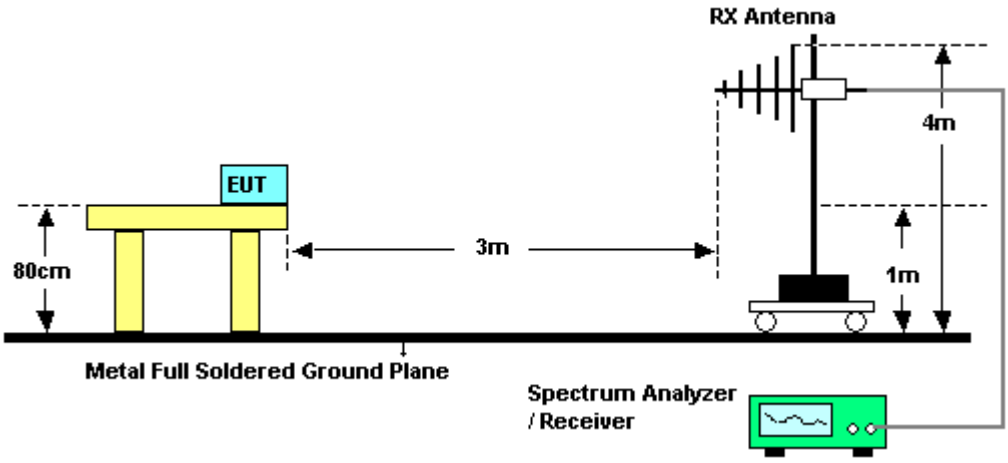
5.3.3. Description of Major Test Instruments Setting

- Test Receiver : R&S ESCS 30
  Attenuation : Auto
  Start Frequency : 30 MHz
  Stop Frequency : 10th carrier harmonic
  RB : 120 KHz for QP or PK

5.3.4. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT was placed on the top of the turntable 0.8 meter above ground.
3. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
4. Power on the EUT and all the supporting units.
5. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
6. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
7. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
8. Set the test-receiver system to peak or quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.

5.3.5. Test Setup Layout



5.3.6. Test Criteria

All test results complied with the requirements of 15.227(b). Measurement Uncertainty is 2.26dB.

5.3.7. Test Results for CH 01 / 27.045 MHz (for emission below 1GHz)

- Temperature: 22.8°C
- Relative Humidity: 52%
- Duty Cycle of the Equipment During the Test: 100%
- Test Engineer: Ted Chou

(A) Polarization: Horizontal

Tx powered by battery

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	80.490	21.14	-18.86	40.00	42.45	7.69	1.81	30.81	Peak	---	---
2	135.300	26.07	-17.43	43.50	42.23	12.18	2.25	30.59	Peak	---	---
3	189.300	23.25	-20.25	43.50	41.75	9.27	2.66	30.43	Peak	---	---
1	458.900	22.02	-23.98	46.00	31.88	16.17	4.02	30.05	Peak	---	---
2	540.100	24.26	-21.74	46.00	31.98	17.47	4.49	29.68	Peak	---	---
3	777.400	27.54	-18.46	46.00	30.33	21.30	5.04	29.13	Peak	---	---

Tx powered by system

		Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	!	108.300	40.70	-2.80	43.50	57.61	11.74	2.02	30.67	QP	---	---
2	!	135.300	43.25	-0.25	43.50	59.41	12.18	2.25	30.59	QP	---	---
3		189.300	37.09	-6.41	43.50	55.59	9.27	2.66	30.43	Peak	---	---
1		399.400	39.76	-6.24	46.00	50.77	15.69	3.70	30.40	Peak	---	---
2		631.800	33.79	-12.21	46.00	38.84	19.35	5.13	29.53	Peak	---	---
3		931.400	39.08	-6.92	46.00	39.99	21.40	6.19	28.50	Peak	---	---

(B) Polarization: Vertical

Tx powered by battery

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	91.020	17.56	-25.94	43.50	36.89	9.56	1.86	30.75	Peak	---	---
2	135.300	19.11	-24.39	43.50	35.27	12.18	2.25	30.59	Peak	---	---
3	243.300	18.68	-27.32	46.00	34.65	11.38	3.01	30.36	Peak	---	---
1	486.200	21.69	-24.31	46.00	30.90	16.40	4.27	29.88	Peak	---	---
2	634.600	24.55	-21.45	46.00	29.56	19.39	5.14	29.54	Peak	---	---
3	861.400	27.51	-18.49	46.00	29.23	21.48	5.49	28.69	Peak	---	---

Tx powered by system

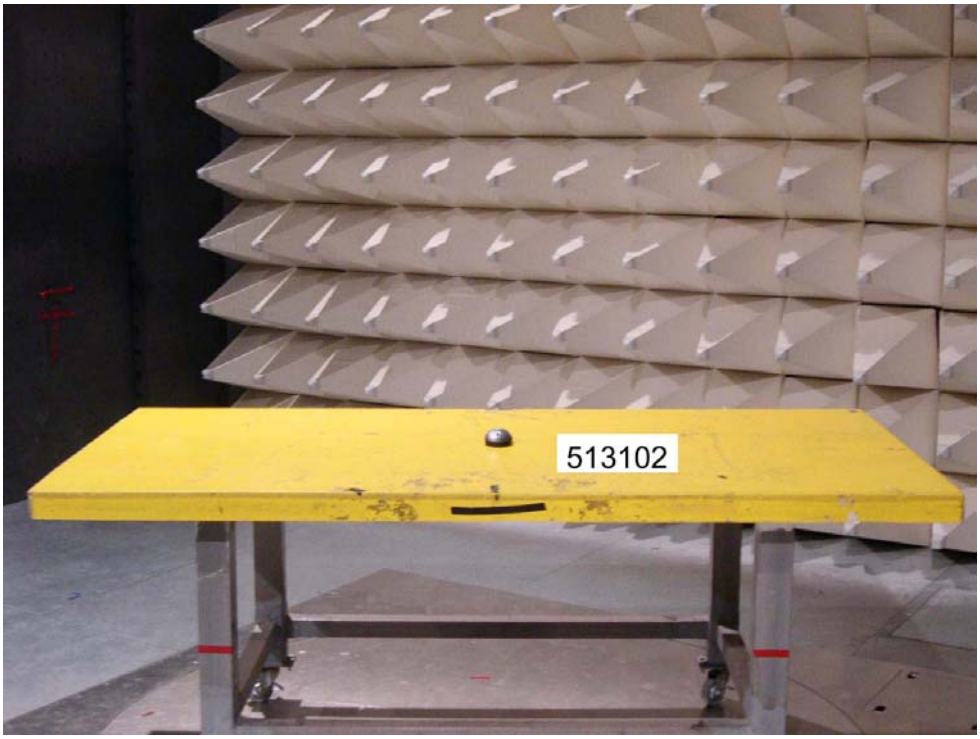
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	108.300	36.47	-7.03	43.50	53.38	11.74	2.02	30.67	Peak	---	---
2	135.300	36.64	-6.86	43.50	52.80	12.18	2.25	30.59	Peak	---	---
3	231.690	39.98	-6.02	46.00	56.47	10.95	2.93	30.37	Peak	---	---
1	455.400	36.18	-9.82	46.00	46.08	16.15	4.02	30.07	Peak	---	---
2	631.800	34.65	-11.35	46.00	39.70	19.35	5.13	29.53	Peak	---	---
3	786.500	38.53	-7.47	46.00	41.07	21.43	5.11	29.08	Peak	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

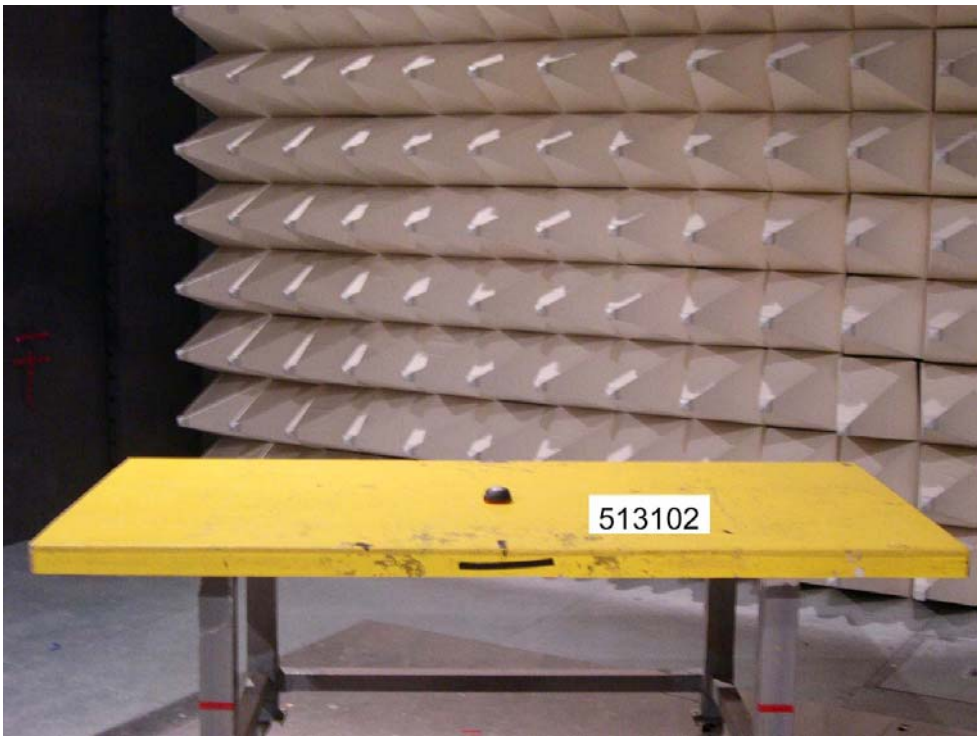
5.3.8. Photographs of Radiated Emission Test Configuration

Powered by battery

FRONT VIEW

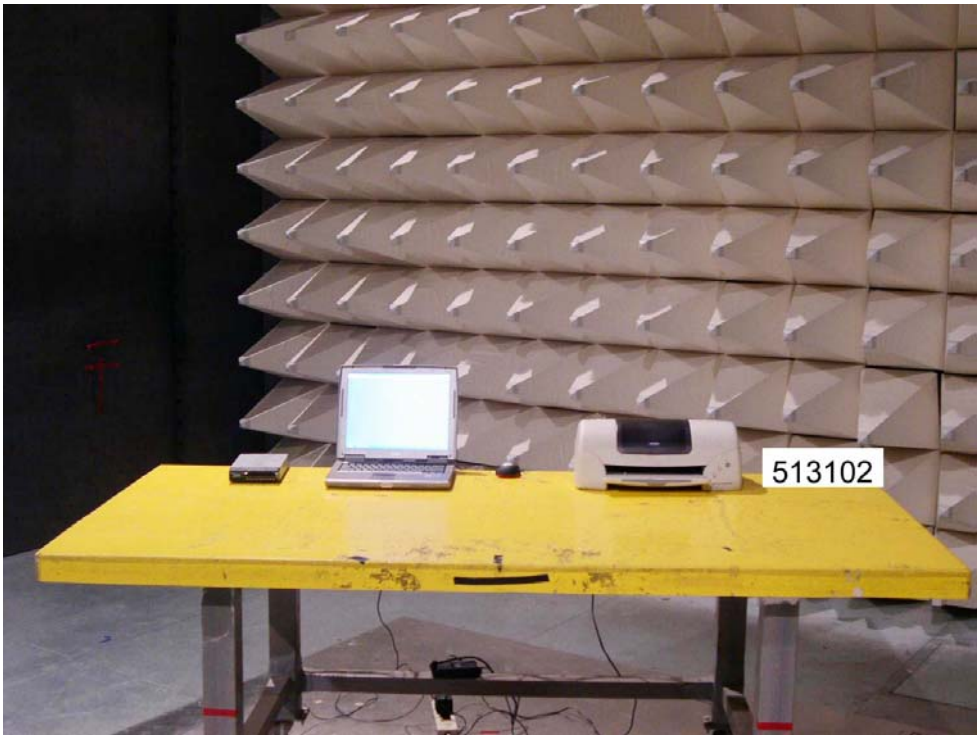


REAR VIEW

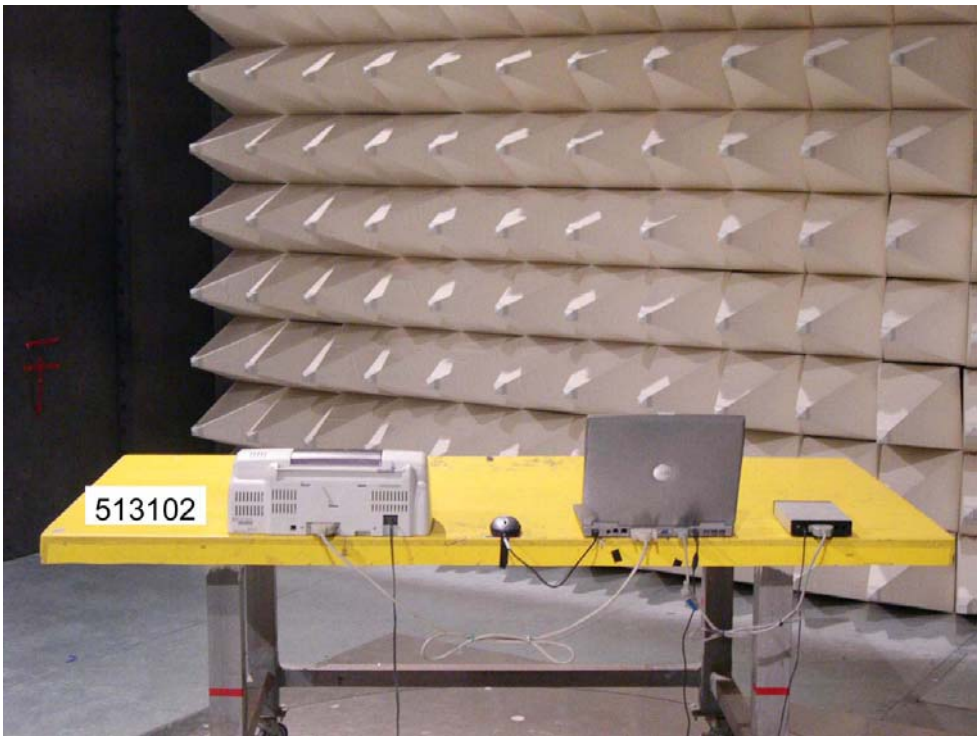


Powered by system

FRONT VIEW



REAR VIEW



5.4. Antenna Requirements

5.4.1. Standard Applicable

Section 15.203: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

5.4.2. Antenna Connected Construction

There is no antenna connector for loop antenna.

5.4.3. Test Criteria

All test results complied with the requirements of 15.203.

6. List of Measuring Equipments Used

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
1	EMC Receiver	R&S	ESCS 30	100132	9 KHz – 2.75 GHz	Jun. 23, 2004	Conduction (CO01-HY)
2	LISN	MessTec	NNB-2/16Z	2001/008	9 KHz – 30 MHz	May 03, 2004	Conduction (CO01-HY)
3	LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9 KHz – 30 MHz	Apr. 19, 2004	Conduction (CO01-HY)
4	EMI Filter	LINDGREN	LRE-2060	1004	< 450 Hz	N/A	Conduction (CO01-HY)
5	EMI Filter	LINDGREN	N6006	201052	0 ~ 60 Hz	N/A	Conduction (CO01-HY)
6	RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9KHz~30MHz	Dec. 23, 2004	Conduction (CO01-HY)
7	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	Jun. 21, 2004	Radiation (03CH03-HY)
8	Spectrum analyzer	R&S	FSP40	100004	9KHZ~40GHz	Aug. 31, 2004	Radiation (03CH03-HY)
9	Amplifier	HP	8447D	2944A09072	100KHz – 1.3GHz	Nov. 04, 2004	Radiation (03CH03-HY)
10	Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30MHz –200MHz	Jul. 28, 2004	Radiation (03CH03-HY)
11	Log Antenna	SCHWARZBECK	VUSLP 9111	221	200MHz -1GHz	Jul. 28, 2004	Radiation (03CH03-HY)
12	RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	Dec. 02, 2004	Radiation (03CH03-HY)
13	Amplifier	MITEQ	AFS44	849984	100MHz~26.5GHz	Mar. 26, 2004	Radiation (03CH03-HY)
14	Horn Antenna	EMCO	3115	6741	1GHz – 18GHz	Apr. 07, 2004	Radiation (03CH03-HY)
15	Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
16	Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
17	Horn Antenna	Schwarzbeck	BBHA9170	154	18GHz~40GHz	Jun. 09, 2004	Radiation (03CH03-HY)
18	RF Cable-HIGH	Jye Bao	RG142	CB030-HIGH	1GHz~29.5GHz	Dec. 04, 2004	Radiation (03CH03-HY)

※ Calibration Interval of instruments listed above is one year.

7. Company Profile

SPORTON Lab. was established in 1986 with one shielded room: the first private EMI test facility, offering local manufacturers an alternative EMI test familial apart from ERSO. In 1988, one 3M and 10M/3M open area test site were setup and also obtained official accreditation from FCC, VCCI and NEMKO. In 1993, a Safety laboratory was founded and obtained accreditation from UL of USA, CSA of Canada and TUV (Rhineland & PS) of Germany. In 1995, one EMC lab, including EMI and EMS test facilities was setup. In 1997, SPORTON Group has provided financial expense to relocate the headquarter to Orient Scientific Park in Taipei Hsien to offer more comprehensive, more qualified and better service to local suppliers and manufactures. In 1999, Safety Group and Component Group were setup. In 2001, SPORTON has established 3M/10M chamber in Hwa Ya Technology Park.

7.1. Certificate of Accreditation

Taiwan	BSMI, CNLA, DGT
USA	FCC, NVLAP, UL
EU	Nemko, TUV
Japan	VCCI
Canada	Industry Canada

7.2. Test Location

SHIJR	ADD：	6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
	TEL：	02-2696-2468
	FAX：	02-2696-2255
HWA YA	ADD：	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
	TEL：	03-327-3456
	FAX：	03-318-0055
LINKOU	ADD：	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
	TEL：	02-2601-1640
	FAX：	02-2601-1695
DUNGHU	ADD：	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
	TEL：	02-2631-4739
	FAX：	02-2631-9740
JUNGHE	ADD：	7Fl., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL：	02-8227-2020
	FAX：	02-8227-2626
NEIHU	ADD：	4Fl., No. 339, Hsin Hu 2nd Rd., Taipei 114, Taiwan, R.O.C.
	TEL：	02-2794-8886
	FAX：	02-2794-9777

8. CNLA Certificate of Accreditation

Test Lab.	:	Sporton International Inc.
Accreditation Number	:	1190
Originally Accredited	:	2003/12/15
Effective Period	:	2003/12/15~2006/12/14
Accredited Scope	:	47 CFR FCC Part 15 Subpart C (9kHz~40GHz)

Taiwan Accreditation Foundation
Chinese National Laboratory Accreditation
Certificate of Accreditation

Accreditation Criteria:	ISO 17025
Accreditation Number:	1190
Organization/Laboratory:	EMC & Wireless Communications Laboratory,Sporton International Inc.
Originally Accredited:	December 15, 2003
Effective Period:	December 15, 2003 To December 14, 2006
Accredited Scope:	Electrical Testing Field, 7 items, details shown in the following pages.
Specific Accreditation Program:	Recognition and Approval of Designated Laboratory for Commodities Inspection

President, Taiwan Accreditation Foundation
Date:July 19, 2004

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