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FCC EMC TEST REPORT

Applicant's company	Z-Com, Inc.
Applicant Address	7F-2, No. 9. Prosperity RD.I Science-Based Industrial, Park Hsinchu, 300
	Taiwan
Manufacturer's company	Z-Com, Inc.
Manufacturer Address	7F-2, No. 9. Prosperity RD.I Science-Based Industrial, Park Hsinchu, 300 Taiwan

Product Name	Wireless CF Module
Brand Name	ZCOM
Model Name	XG-880M
Test Standard	47 CFR FCC Part 15 Subpart B
Classification of ITE	Class B
Receive Date	Jun. 2, 2006
Final Test Date	Jun. 23, 2006
Submission Type	Original Equipment



Statement

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. The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.4-2003 and 47 CFR FCC Part 15 Subpart B. The test equipment used to perform the test is calibrated and traceable to NML/ROC.



Lab Code: 200079-0



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History of This Test Report

Original Issue Date: Jul. 1, 2006

Report No.: FD660211

No additional attachment.

Additional attachment were issued as following record:

Attachment No.	Issue Date	Description



Report No.: FD660211

1. CERTIFICATE OF COMPLIANCE

Product Name	:	Wireless CF Module
Brand Name	:	ZCOM
Model Name	:	XG-880M
Applicant	:	Z-Com, Inc.
Test Standard	:	47 CFR FCC Part 15 Subpart B

Sporton International as requested by the applicant to evaluate the EMI performance of the product sample received on Jun. 2, 2006 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMI nature.

Mandy hiz 4.7. 2006 Steven In 4.7. with

Prepared By: Mandy Liang / Specialist

Steven Lu / Engineer

Tested By:

har 4.2.06

Reviewed By: Wayne Hsu



2. SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart B						
Part	Rule Section	Description of Test	Result	Under Limit			
4.1	15.107	AC Power Line Conducted Emissions	Complies	14.74 dB			
4.2	15.109	Radiated Emissions	Complies	3.19 dB			

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.26dB	Confidence levels of 95%
Radiated Emissions	±3.72dB	Confidence levels of 95%



3. GENERAL INFORMATION

3.1. Product Details

Items	Description
Modulation	DSSS for IEEE 802.11b ; OFDM for IEEE 802.11g
Data Modulation	DSSS (BPSK / QPSK / CCK) ; OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	DSSS (1/ 2/ 5.5/11); OFDM (6/9/12/18/24/36/48/54)
Frequency Range	2400 ~ 2483.5MHz
Channel Number	11
Channel Band Width (99%)	11b: 13.91 MHz ; 11g: 16.44 MHz
Conducted Output Power	11b: 15.44 dBm ; 11g: 17.75 dBm
Carrier Frequencies	Please refer to section 3.3
Antenna	Please refer to section 3.4

3.2. Accessories

N/A

3.3. Table for Carrier Frequencies

Freqeuncy Band	Channel No.	Frequency	Channel No.	Frequency
	1	2412 MHz	7	2442 MHz
	2	2417 MHz	8	2447 MHz
2400 2482 5MH-	3	2422 MHz	9	2452 MHz
2400~2463.5IVIH2	4	2427 MHz	10	2457 MHz
	5	2432 MHz	11	2462 MHz
	6	2437 MHz		

3.4. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	WANSHIH	SAW-0008A	Dipole Antenna	Reversed-SMA	2.0



3.5. Table for Test Modes

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Antenna
AC Power Line Conducted Emissions	Normal Use	1
Radiated Emissions	CRX/Normal Use	1

Note: CRX=continuously receiving

3.6. Table for Testing Locations

Test Site No.	Site Category	Location	FCC Reg. No.	IC File No.	VCCI Reg. No
03CH03-HY	SAC	Hwa Ya	101377	IC 4088	-
CO04-HY	Conduction	Hwa Ya	101377	IC 4088	-

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC); Fully Anechoic Chamber (FAC). Please refer section 6 for Test Site Address.

3.7. Table for Supporting Units

Support Unit	Brand	Model	FCC ID
Notebook	IBM	1829	DoC
Printer	EPSON	LQ-300	DoC

3.8. EUT Operation during Test

An executive program, EMCTEST.EXE under WIN XP, 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 NB sends "H" messages to the panel, and the panel displays "H" patterns on the screen.
- c. The NB sends "H " messages to the printer, then the printer prints them on the paper.

At the same time, the following programs was executed:

At the same time, "DutApiCf8385p" was executed the test program to control the EUT continuously receier RF signal.



3.9. Test Configurations

3.9.1. Radiation Emissions Test Configuration



3.9.2. AC Power Line Conduction Emissions Test Configuration





4. TEST RESULT

4.1. AC Power Line Conducted Emissions Measurement

4.1.1. Limit

For a Low-power Radio-frequency Device which 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

4.1.2. Measuring Instruments and Setting

Please refer to section 5 in this report. The following table is the setting of the receiver.

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

4.1.3. Test Procedures

- 1. The EUT or host of 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.
- 2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
- 4. The frequency range from 150 KHz to 30 MHz was searched.
- 5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. The measurement has to be done between each power line and ground at the power terminal.



4.1.4. Test Setup Layout



ISN = Impedance stabilization network

- 1. If cables, which hang closer than 40 cm to the horizontal metal groundplane, cannot be shortened to appropriate length, the excess shall be folded back and forth forming a bundle 30 cm to 40 cm long.
- 2. Excess mains cord shall be bundled in the centre or shortened to appropriate length.
- 3. EUT is connected to one artificial mains network (AMN). All AMNs and ISNs may alternatively be connected to a vertical reference plane or metal wall.
- 4. All other units of a system are powered from a second AMN. A multiple outlet strip can be used for multiple mains cords.
- 5. AMN and ISN are 80 cm from the EUT and at least 80 cm from other units and other metal planes.
- 6. Mains cords and signal cables shall be positioned for their entire lengths, as far as possible, at 40 cm from the vertical reference plane.
- 7. Cables of hand operated devices, such as keyboards, mouses, etc. shall be placed as for normal usage.
- 8. Peripherals shall be placed at a distance of 10 cm from each other and from the controller, except for the monitor which, if this is an acceptable installation practice, shall be placed directly on the top of the controller.
- 9. I/O signal cable intended for external connection.
- 10. The end of the I/O signal cables which are not connected to an AE may be terminated, if required, using correct terminating impedance.
- 11. If used, the current probe shall be placed at 0,1 m from the ISN.





4.1.5. Test Deviation

There is no deviation with the original standard.

4.1.6. Results of AC Power Line Conducted Emissions Measurement

Temperature	26 ℃	Humidity	65%
Test Engineer	Rush Kao	Phase	Line
Configuration	Normal Link		



	0ver	Limit	Read	LISN	Cable	
req Level	l Limit	Line	Level	Factor	Loss	Remark
MRz dBu	l dB	dBuV	dBuV	dB	dB	2
077 47.0	3 -16.50	63.58	45.59	1.29	0.20	QP
077 36.5:	L -17.07	53.58	35.02	1.29	0.20	AVERAGE
908 32.00	0 -24.00	56.00	31.40	0.40	0.20	QP
908 14.7	7 -31.23	46.00	14.17	0.40	0.20	AVERAGE
969 27.40	0 -28.60	56.00	26.90	0.30	0.20	QP
969 15.6:	L -30.39	46.00	15.11	0.30	0.20	AVERAGE
411 23.44	-32.56	56.00	23.02	0.30	0.12	QP
411 12.4	3 -33.57	46.00	12.01	0.30	0.12	AVERAGE
364 26.40	5 -29.54	56.00	25.89	0.30	0.27	QP
364 19.30	5 -26.64	46.00	18.79	0.30	0.27	AVERAGE
944 31.6:	L -28.39	60.00	30.81	0.30	0.50	QP
944 26.44	4 -23.56	50.00	25.64	0.30	0.50	AVERAGE
	Image Level MHz dBut 0077 47.03 0077 36.53 908 14.77 9969 27.44 9969 15.63 411 23.44 364 26.44 364 26.44 944 31.63	Over Inne Down MHz Level Limit 0077 47.08 -16.50 0077 36.51 -17.07 908 32.00 -24.00 9098 14.77 -31.23 969 27.40 -28.60 969 15.61 -30.39 411 23.44 -32.56 411 12.43 -33.57 364 26.46 -29.54 364 19.36 -26.64 944 31.61 -28.39 944 26.44 -23.56	Over Limit Irreg Level Limit Lime MHz dBuV dB dBuV 0077 47.08 -16.50 63.58 0077 36.51 -17.07 53.58 908 32.00 -24.00 56.00 908 14.77 -31.23 46.00 9969 27.40 -28.60 56.00 9969 15.61 -30.39 46.00 411 23.44 -32.56 56.00 364 26.46 -29.54 56.00 364 19.36 -26.64 46.00 944 31.61 -28.39 60.00	Over Imit Limit Read Level MHz dBuV dB dBuV dBuV 0077 47.08 -16.50 63.58 45.59 0077 36.51 -17.07 53.58 35.02 908 32.00 -24.00 56.00 31.40 908 14.77 -31.23 46.00 14.17 9969 15.61 -30.39 46.00 15.11 411 23.44 -32.56 56.00 23.02 411 12.43 -33.57 46.00 12.01 364 19.36 -26.64 46.00 18.79 944 31.61 -28.39 60.00 30.81 944 26.44 -23.56 50.00 25.64	Over Limit Read LISN Irreg Level Limit Line Level Factor MHz dBuV dB dB dBuV dBuV dB dB 0077 47.08 -16.50 63.58 45.59 1.29 0077 36.51 -17.07 53.58 35.02 1.29 908 32.00 -24.00 56.00 31.40 0.40 908 14.77 -31.23 46.00 14.17 0.40 908 15.61 -30.39 46.00 15.11 0.30 9411 23.44 -32.56 56.00 23.02 0.30 364 26.46 -29.54 56.00 25.89 0.30 944 31.61 -28.39 60.00 30.81 0.30 944 26.44 -23.56 50.00 25.64 0.30	Over Limit Read LISN Cable Imreg Level Limit Line Level Factor Loss MHz dBuV dB dBuV dBuV dBuV dB dBuV dBuV dB dB 0077 47.08 -16.50 63.58 45.59 1.29 0.20 0077 36.51 -17.07 53.58 35.02 1.29 0.20 908 32.00 -24.00 56.00 31.40 0.40 0.20 908 14.77 -31.23 46.00 14.17 0.40 0.20 908 14.77 -31.23 46.00 15.11 0.30 0.20 909 15.61 -30.39 46.00 15.11 0.30 0.20 9196 15.61 -30.39 46.00 12.01 0.30 0.12 411 12.43 -33.57 46.00 12.01 0.30 0.27 964 26.46 <t< td=""></t<>



Temperature	26 ℃	Humidity	65%
Test Engineer	Rush Kao	Phase	Neutral
Configuration	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	4 <u>7 - 17</u> 9
1	0.20833	34.14	-19.13	53.27	32.82	1.12	0.20	AVERAGE
2	0.20833	48.22	-15.05	63.27	46.90	1.12	0.20	QP
3	0.30188	34.73	-15.46	50.19	33.93	0.60	0.20	AVERAGE
4 @	0.30188	45.45	-14.74	60.19	44.65	0.60	0.20	QP
5	0.56709	35.22	-20.78	56.00	34.72	0.30	0.20	QP
6	0.56709	18.42	-27.58	46.00	17.92	0.30	0.20	AVERAGE
7	0.68626	36.08	-19.92	56.00	35.58	0.30	0.20	QP
8	0.68626	17.89	-28.11	46.00	17.39	0.30	0.20	AVERAGE
9	1.388	35.11	-20.89	56.00	34.69	0.30	0.12	QP
10	1.388	20.37	-25.63	46.00	19.95	0.30	0.12	AVERAGE
11	2.396	30.61	-25.39	56.00	30.13	0.28	0.20	QP
12	2.396	20.17	-25.83	46.00	19.69	0.28	0.20	AVERAGE
13	3.090	29.75	-26.25	56.00	29.23	0.30	0.22	QP
14	3.090	22.84	-23.16	46.00	22 32	0.30	0.22	AVERAGE

Note:

Level = Read Level + LISN Factor + Cable Loss.



4.2. Radiated Emissions Measurement

4.2.1. Limit

Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30 MHz to 5th harmonic of highest frequency. The quasi-peak measuring receiver shall be in accordance with clause 2 of CISPR 16-1. Receivers with peak detectors shall be in accordance with clause 3 of CISPR 16-1, and shall have a 6 dB bandwidth in accordance with clause 2 of CISPR 16-1.

Frequency of Emission (MHz)	Field Strength QP Limit (dBuV/m) at 3m
30~88	40
88~216	43.5
216~960	46
Above 960	54

4.2.2. Measuring Instruments and Setting

Please refer to section 5 in this report. The following table is the setting of spectrum analyzer and receiver.

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Spectrum Parameter	Setting
Start Frequency	1000 MHz
Stop Frequency	5th harmonic of highest frequency
RB / VB	1 MHz / 1 MHz for Peak ; 1 MHz / 10Hz for Average

4.2.3. Test Procedures

- The EUT was placed on the top of the turntable 0.8 meter above ground. 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.
- 2. Power on the EUT and all the supporting units. 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 emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, 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. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.



4.2.4. Test Setup Layout



4.2.5. Test Deviation

There is no deviation with the original standard.



4.2.6. Results of Radiated Emissions (30MHz~1GHz)

Temperature	perature 26°C		lumidity	65%		
Test Engineer	Jordan Hsiao	(Configurations	802.11g Chan	nel 6	
Vertical						
97	el (dBuV/m)		Da	te: 2006-06-23 Time	: 10:55:26	
				1.001.1.1	No. of Concession	
251.0				FCCRUA	SISAB SAD	
49		2				
	1		5	6		
		A MARINE	hall A data	h latera .	and der all	
Lake .	ALL NUM		MART AN MUTATION	polar the polar war	IND STUD . MA	
YT	Ama. Internet					
0 30	224.	418.	612.	806.	1000	
		Freque	ncy (MHz)			

	Freq	Level	Over Limit	LimitA Line	intenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	3		deg
1	191.020	36.71	-6.79	43.50	9.58	1.09	29.96	56.00	Peak		
2	362.710	36.33	-9.67	46.00	15.61	1.51	30.56	49.78	Peak		
3	431.580	39.92	-6.08	46.00	16.94	1.64	30.42	51.77	Peak		222
4	497.540	36.77	-9.23	46.00	17.77	1.77	30.54	47.77	Peak		222
5	560.590	35.71	-10.29	46.00	18.68	1.88	30.68	45.83	Peak		
6	730.340	38.67	-7.33	46.00	19.94	2.15	30.20	46.78	Peak		





Horizontal



	Freq	Level	Over Limit	Limit) Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos	
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	9		deg	
10	195.870	40.31	-3.19	43.50	9.98	1.10	29.98	59.21	QP			
2	319.060	38.86	-7.14	46.00	14.44	1.41	30.39	53.40	Peak			
3 !	362.710	41.55	-4.45	46.00	15.61	1.51	30.56	55.00	Peak			
4 !	432.550	41.80	-4.20	46.00	16.96	1.64	30.43	53.63	Peak			
5	498.510	39.61	-6.39	46.00	17.78	1.77	30.53	50.60	Peak			
6	730.340	39.71	-6.29	46.00	19.94	2.15	30.20	47.82	Peak			

Note:

1

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

Pol. : V is Vertical Polarization ; H is Horizontal Polarization.



4.2.7. Results for Radiated Emissions (1GHz~5th harmonic of highest frequency)

Temperature	26 ℃		Humidity	65%			
Test Engineer	Jordan Hsiao		Configurations	802.11g Channel 6			
Vertical	-						
120 Leve	l (dBuV/m)		D	ate: 2006-06-15 Tim	ie: 23:02:17		
				FCO	-6dB		
60							
00				FCC CL	ASS-B AV		
1					-6dB		
f							
0 1000	6000.	11000.	16000.	21000.	26000		
		Free	quency (MHz)				

Free	[Level	Over Limit	LimitA Line	intenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
MH	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	3		deg
1093.48	44.03	-29.97	74.00	24.04	1.77	34.60	52.81	PEAK	100	92
1093.56	41.61	-12.39	54.00	24.09	1.77	34.60	50.35	AVERAGE	100	92

1 2







	Freq	Level	Over Limit	Limit) Line	Antenna Factor	Cable Loss	Preamp Factor	Read Level	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	dBuV	3 		deg
1	1093.600	41.86	-12.14	54.00	24.09	1.77	34.60	50.60	AVERAGE	136	53
2	1093.800	46.26	-27.74	74.00	24.09	1.77	34.60	55.00	PEAK	136	53

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

Pol. : V is Vertical Polarization ; H is Horizontal Polarization.



5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SIDT FRANKONIA SAC-3M 03CH03-HY 30 MHz - 1 GH		30 MHz - 1 GHz 3m	Jun. 15, 2006	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	CPA9231A	3565	9 kHz - 2 GHz	Jan. 18, 2006	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	May 29, 2006	Radiation (03CH03-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	26.5 GHz - 40 GHz	Jan. 24, 2006*	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004/040	9 kHZ - 40 GHz	Sep. 30, 2005	Radiation (03CH03-HY)
Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30 MHz - 200 MHz	Jul. 22, 2005	Radiation (03CH03-HY)
Log Antenna	SCHWARZBECK	ZBECK VUSLP 9111 221 200 MHz - 1		200 MHz - 1 GHz	Jul. 22, 2005	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115 6903		1GHz ~ 18GHz	Mar. 15, 2006	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	BBHA9170154 15 GHz - 40 GHz		Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec.02, 2005	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec.02, 2005	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	Antenna Mast HD		240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
EMC Receiver	R&S	ESCS 30	100174 9kHz – 2.75GHz		Feb. 22, 2006	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Dec. 19, 2005	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9708-1839	9kHz – 30MHz	Mar. 18, 2006	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2006	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)

Note: Calibration Interval of instruments listed above is one year.

Note: *Calibration Interval of instruments listed above is two year.



6. SPORTON 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.

6.1. Test Location

SHIJR	ADD	:	6FI., 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., 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	:	7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL	:	02-8227-2020
	FAX	:	02-8227-2626
NEIHU	ADD	:	4FI., No. 339, Hsin Hu 2 nd Rd., Taipei 114, Taiwan, R.O.C.
	TEL	:	02-2794-8886
	FAX	:	02-2794-9777
JHUBEI	ADD	:	No.8, Lane 728, Bo-ai St., Jhubei City, Hsinchu County 302, Taiwan, R.O.C.
	TEL	:	03-656-9065
	FAX	:	03-656-9085



7. NVLAP CERTIFICATE OF ACCREDITATION



NVLAP-01C (REV. 2005-05-19)



APPENDIX A. Photographs of EUT











SPORTON International Inc. TEL : 886-2-2696-2468 FAX : 886-2-2696-2255





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Appendix B. Test Photos





1. Photographs of Conducted Emissions Test Configuration



FRONT VIEW



REAR VIEW





SIDE VIEW



2. Photographs of Radiated Emissions Test Configuration



FRONT VIEW



REAR VIEW