FCC TEST REPORT

for

PCWEE (HOLIBANG PC MOTION CONSOLE)

FCC ID	:	XG6PCWEE
Operating Frequency	:	2400-2483.5 MHz
Applicant	:	Shanghai Yue Wei Tang Network Technology Co., Ltd. 1F/12, NO. 470 GUIPING ROAD, SHANGHAI, CHINA
Regulation	:	***FCC Part 15.107 Subpart B*** ***FCC Part 15.109 Subpart B***
Prepared by	:	AOV Testing Technology Co., Ltd AOV Building, Xueyuan Road East, University City, Shenzhen (Tanglang Village, Xili Town, Nanshan District), China
Test Date	:	June 1-13, 2009
Date of Report	:	June 15, 2009

TABLE OF CONTENT

Description Page

Test Report Declaration

1. GENERAL INFORMATION 4
1.1 General Information 4
1.2 Test Facility 4
1.3 Test Instrument Used 5
1.4 Description of Test System 5
2. POWERLINE CONDUCTED EMISSION TEST 6
2.1. Test Standard 6
2.2. Limits 6
2.3. Test Procedure 6
2.4. Test Result 6
3. RADIATED EMISSION TEST 8
3.1. Rules Part No. 8
3.2. Limits 8
3.3. Test Procedure 8
3.4. Test Result 8
4. PHOTOGRAPH OF TEST 10
4.1. Photo of Power Line Conducted Emission Test 10
4.2. Photo of Radiated Emission Test 10

TEST REPORT DECLARATION

Applicant	:	Shanghai Yue Wei Tang Network Technology Co., Ltd.
Manufacturer	:	Shanghai Yue Wei Tang Network Technology Co., Ltd.
EUT Description	:	PCWEE (HOLIBANG PC MOTION CONSOLE)

Test Procedure Used:
FCC Part 15.107, 15.109 Subpart B

The E. U. T. listed below has been completed RFI testing by Shenzhen AOV Testing Technology Co., Ltd at the test site of Bontek Compliance Testing Laboratory Ltd. And the Interference emissions can pass **FCC CLASS B** limitations.

The test configurations and the facility comply with the radiated and AC line conducted test site criteria in **ANSI C63.4-2003**.

Date of Test: June 1-13, 2009

Prepared by: 

Project Engineer

Reviewer : 

Project Manager

1. GENERAL INFORMATION

1.1 General Information

Applicant : Shanghai Yue Wei Tang Network Technology Co., Ltd.
1F/12, NO. 470 GUIPING ROAD, SHANGHAI, CHINA

Manufacturer : Shanghai Yue Wei Tang Network Technology Co., Ltd.
1F/12, NO. 470 GUIPING ROAD, SHANGHAI, CHINA

1.2 Test Facility

Test Firm : Bontek Compliance Testing Laboratory Ltd.
Certificated by FCC, Registration No.: 338263
Address : FL.1, Building H-3, Hua Qiao Cheng East Industrial Area
Qiaocheng East Road, Nanshan, Shenzhen, P.R.China
Tel : 86-755-86337020
Fax : 86-755-86337028

1.3 Test Instrument Used

No.	Equipment	Manufacturer	Model No.	S/N	Calculator date
1.	EMI Test Receiver	R&S	ESPI7	100097	2009-2-22
2.	Single Power Conductor Module	FCC	FCC-LISN-5-50-1-01-CISPR25	07101	2009-2-22
3.	EMI Test Receiver	R&S	ESCI	100687	2009-2-22
4.	EMI Test Receiver	R&S	FSU	BCT-019	2009-2-22
5.	Amplifier	HP	8447D	1937A02492	2009-2-22
6.	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2009-2-22
7.	Horn Antenna	SCHWARZBECK	BBHA9120A	B08000991-0001	2009-2-27
8.	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	166	2009-2-22
9.	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	811	2009-2-22
10.	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	304	2009-2-22
11.	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	D-69250	2009-3-31
12.	Positioning Controller	C&C	CC-C-1F	MF7802113	2009-2-22
13.	Triple-Loop Antenna	EVERFINE	LLA-2	607004	2009-2-27
14.	10dB attenuator	SCHWARZBECK	MTAIMP-136	R65.90.0001#06	2009-2-22

1.4 Description of Test System

PC	HP	DX2290MT
Printer	EPSON	9330A
Monitor	DELL	OG335H
Keyboard	DELL	SK-8115
Mouse	DELL	MOC5UO

2. POWERLINE CONDUCTED EMISSION TEST

2.1.Test Standard

15.107

2.2.Limits

Frequency MHz	Limits (dBμV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes:

1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

2.3.Test Procedure

The EUT is put on the table that is 0.8m high above the ground and at least away from other Metallic surface 0.4m. The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohms coupling impedance for the testing equipment; and the peripheral equipment powers form other L.I.S.N. Please refer to the block diagram of the test setup and photographs. Both sides of AC line (Line & Neutral) are checked for maximum conducted interference. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables must be changed according to FCC part 15 B.

2.4.Test Result

PASS

Detailed information, Please refer to the following page.

Connect to PC

Line:

Frequency (MHz)	AV Read Level (dBuV)	AV Limit (dBuV)	AV Margin (dBuV)
0.1500	46.40	56.00	9.60
0.2130	45.50	53.00	7.50
4.3400	30.40	46.00	15.60

Frequency (MHz)	QP Read Level (dBuV)	QP Limit (dBuV)	QP Margin (dBuV)
0.1500	46.40	66.00	19.60
0.2130	45.30	63.00	17.70
4.9245	34.30	56.00	21.70

Neutral:

Frequency (MHz)	AV Read Level (dBuV)	AV Limit (dBuV)	AV Margin (dBuV)
0.1500	46.20	56.00	9.80
0.2130	45.10	53.00	7.90
4.4340	30.90	46.00	15.10

Frequency (MHz)	QP Read Level (dBuV)	QP Limit (dBuV)	QP Margin (dBuV)
0.1500	46.10	66.00	19.90
3.7050	32.10	56.00	23.90
4.9380	34.80	56.00	21.20

3. RADIATED EMISSION TEST

3.1. Rules Part No.

15.109

3.2. Limits

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency of (MHz)	Emission Field Strength (microvolts/meter)
30 - 88	100 (40)
88 - 216	150 (43.5)
216 - 960	200 (46.0)
Above 960	500 (54.0)

3.3. Test Procedure

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES:

The EUT is placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (log periodical antenna and horn antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The resolution bandwidth was 100 kHz and the video bandwidth was 300 kHz.

The spectrum was scanned from 30 MHz to 1000MHz.

3.4. Test Result

PASS

Connected to PC:

Horizontal:

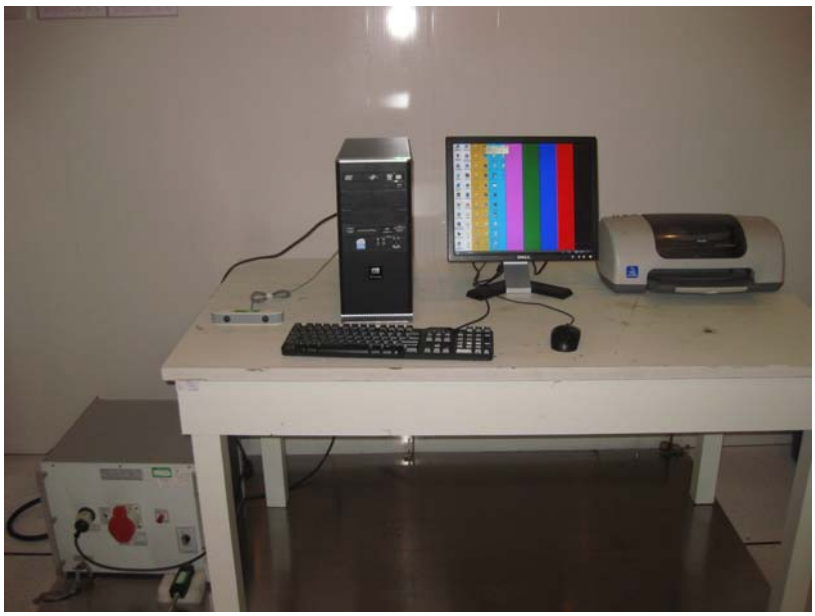
Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
68.8000	30.10	---	40.00	9.90
130.8800	32.20	---	43.50	11.30
198.7800	29.00	---	43.50	14.50
214.3000	28.90	---	43.50	14.60
631.4000	34.70	---	46.00	11.30
1000.0000	38.90	---	54.00	15.10

Vertical:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
31.9400	32.40	---	40.00	7.60
68.8000	28.70	---	40.00	11.30
119.2400	28.90	---	43.50	14.60
200.7200	27.50	---	43.50	16.00
367.560	33.50	---	46.00	12.50
1000.0000	38.40	---	54.00	15.60

4. PHOTOGRAPH OF TEST

4.1.Photo of Power Line Conducted Emission Test



4.2.Photo of Radiated Emission Test