FCC TEST REPORT

for

Yoostar USB Camera System

Model No. : YS-1000

FCC ID : W9SYS1000

Operating Frequency

2402-2481 MHz

Applicant : Yoostar Entertainment Group, Inc.

244W 54th Street, 9th Floor, New York, NY 10019

Regulation : FCC Part 15.249 Subpart C

Prepared by : AOV Testing Technology Co., Ltd

AOV Building, Xueyuan Road East, University City, Shenzhen

(Tanglang Village, Xili Town, Nanshan District), China

Test Date: April 10-July 20, 2009

Date of Report: July 21, 2009

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TEST REPORT DECLARATION

Applicant : Yoostar Entertainment Group, Inc.

Manufacturer : Keysbond Limited

EUT Description : Yoostar USB Camera System

Test Procedure Used: FCC Part 15.249 Subpart C

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 Part 15** limitations.

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

Date of Test:	April 10-July 20, 2009
Prepared by:	form.
ricpared by.	Project Engineer
Reviewer :	to
	Project Manager

1. GENERAL INFORMATION

1.1 General Information

Description : Yoostar USB Camera System

Number of Channels : 6 (2402MHz, 2415 MHz, 2428 MHz

2440 MHz, 2458 MHz, 2481 MHz)

Model No. : YS-1000

Applicant : Yoostar Entertainment Group, Inc.

244W 54th Street, 9th Floor, New York, NY 10019

Manufacturer : Keysbond Limited

Metro Center Phase 132 Lam Hing St. #301-310

Kowloon Bay, Hong Kong

1.2Test 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

1.3Test Instrument Used

No.	Equipment	Manufacturer	Model No.	S/N	Calculator date
1.	EMI Test Receiver	R&S	ESCI	100687	2009-2-22
2.	EMI Test Receiver	R&S	FSU	BCT-019	2009-2-22
3.	Amplifier	HP	8447D	1937A02492	2009-2-22
4.	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2009-2-22
5.	Horn Antenna	SCHWARZBECK	BBHA9120A	B08000991-00 01	2009-2-27
6.	High Field Biconical Antenna	ELECTRO-METRICS	EM-6913	166	2009-2-22
7.	Log Periodic Antenna	ELECTRO-METRICS	EM-6950	811	2009-2-22
8.	Remote Active Vertical Antenna	ELECTRO-METRICS	EM-6892	304	2009-2-22
9.	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	D-69250	2009-3-31
10.	Positioning Controller	C&C	CC-C-1F	MF7802113	2009-2-22
11.	Triple-Loop Antenna	EVERFINE	LLA-2	607004	2009-2-27
12.	10dB attenuator	SCHWARZBECK	MTAIMP-136	R65.90.0001#0	2009-2-22

2. RADIATION INTERFERENCE

2.1.Rules Part No.

15.249

2.2.Limits

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)	
902 - 928 MHz	50	500	
2400 - 2483.5 MHz	50 (94)	500 (54)	
5725 - 5875 MHz	50	500	
24.0 - 24.25 GHz	250	2500	

The field strength of any emissions radiated on any frequency outside of the fundamental band shall not exceed the general radiated emission limits in Section 15.209.

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)
	·

2.3.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 10th harmonic of the fundamental.

2.4.Test Result

PASS

Low Channel: 2402MHz

Field Strength of Fundamental:

Horizontal:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2402.4400	93.50	82.80(AV)	94.00	

Vertical:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2402.4400	95.70	81.30(AV)	94.00	

Field Strength of Spurious Emission:

Horizontal:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
47.4600	24.60		40.00	15.40
95.9600	24.00		43.50	19.50
103.7200	25.30		43.50	18.20
225.9400	24.40		46.00	21.60
544.1000	30.70		46.00	15.30
4731.9500	49.44	41.30(AV)	54.00	12.70
14681.9500	44.16	40.70(AV)	54.00	13.30
17843.5000	47.46	41.00(AV)	54.00	13.00

Vertical:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
51.3400	22.50		40.00	17.50
94.0200	22.70		43.50	20.80
101.7800	24.30		43.50	19.20
208.4800	22.80		43.50	20.70
540.2200	29.80		46.00	16.20
3996.8800	41.39	40.02(AV)	54.00	13.98
6883.0600	42.78	42.50(AV)	54.00	11.50
14152.0000	43.70	43.20(AV)	54.00	10.80

Middle Channel: 2440MHz

Field Strength of Fundamental:

Horizontal:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2440.7300	92.90	81.00(AV)	94.00	13.00

Vertical:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2440.7000	97.10	82.50(AV)	94.00	11.50

Field Strength of Spurious Emission:

Horizontal:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
39.7000	23.70		40.00	16.30
95.9600	24.10		43.50	19.40
123.1200	26.50		43.50	17.00
179.3800	24.30		43.50	19.20
551.8600	31.20		46.00	14.80
4801.9500	49.34	42.02(AV)	54.00	11.98
14596.7400	46.05	40.18(AV)	54.00	13.82
17895.5200	45.60	43.30(AV)	54.00	10.70

Vertical:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
30.0000	21.30		40.00	18.70
92.0800	24.30		43.50	19.20
123.2000	25.10		43.50	18.40
179.3800	24.80		43.50	18.70
542.1600	30.70		46.00	15.30
4801.9600	47.60	40.40(AV)	54.00	13.60
11768.2200	45.30	40.10(AV)	54.00	13.90
14596.7400	46.08	43.00(AV)	54.00	11.00

High Channel: 2481MHz

Field Strength of Fundamental:

Horizontal:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2481.3900	93.83	83.00(AV)	94.00	

Vertical:

Frequency	PK	Read Level	Limit	Margin
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)
2481.3900	93.03	82.50(AV)	94.00	11.50

Field Strength of Spurious Emission:

Horizontal:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
51.3400	22.60		40.00	17.40
95.9600	23.30		43.50	20.20
97.9000	23.40		43.50	20.10
210.4200	24.00		43.50	19.50
547.9800	30.00		46.00	16.00
4945.8800	44.26	40.82(AV)	54.00	13.18
6671.2500	46.26	43.16(AV)	54.00	10.84
14554.3100	49.13	42.44(AV)	54.00	11.56

Vertical:

Frequency (MHz)	PK (dBuV/m)	Read Level (dBuV/m)	Limit (dBuV/m)	Margin (dBuV/m)
47.4600	24.00		40.00	16.00
95.9600	23.80		43.50	19.70
99.8400	24.90		43.50	18.60
204.6000	24.20		43.50	19.30
544.1000	31.20		46.00	14.80
4945.8800	46.24	42.70(AV)	54.00	11.30
9768.0300	46.25	40.00(AV)	54.00	14.00
11768.2200	47.30	42.80(AV)	54.00	11.20

3. BAND EDGE

3.1.Rules Part No.

15.249

3.2.Limits

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 50dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

3.3.Test Procedure

Record the respond of frequency waveform when the EUT was working by a spectrum analyzer or EMI Receiver. Low and high channel were tested

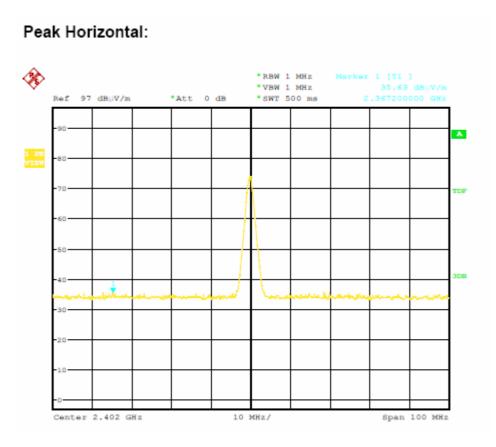
Set 1MHz RBW and 1MHz VBW when use PK detector.

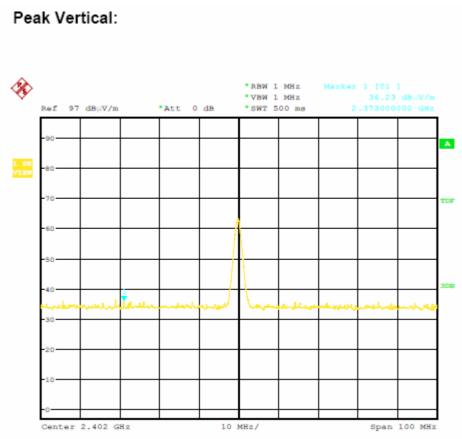
Set 1MHz RBW and 10 Hz VBW when use AV detector.

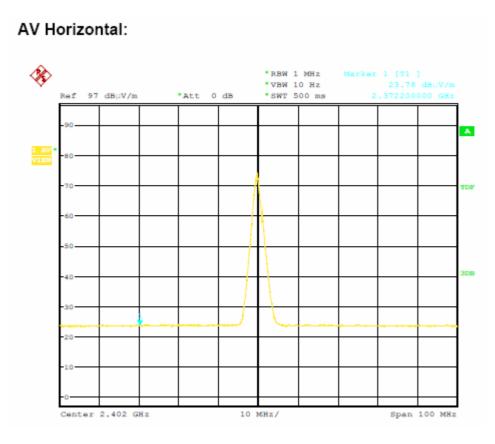
3.4.Test Result

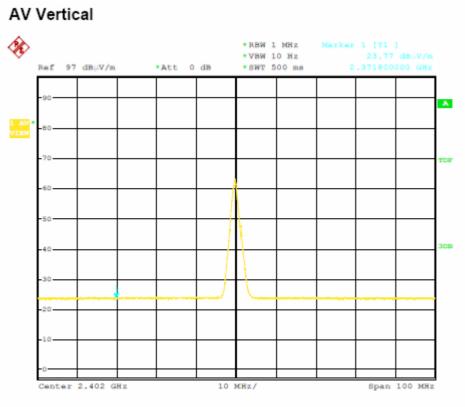
PASS

Low Channel: 2402MHz

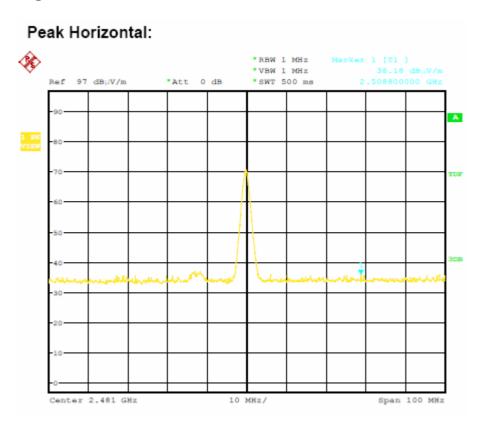


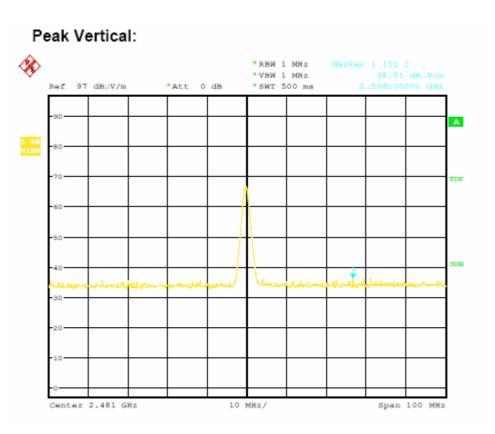


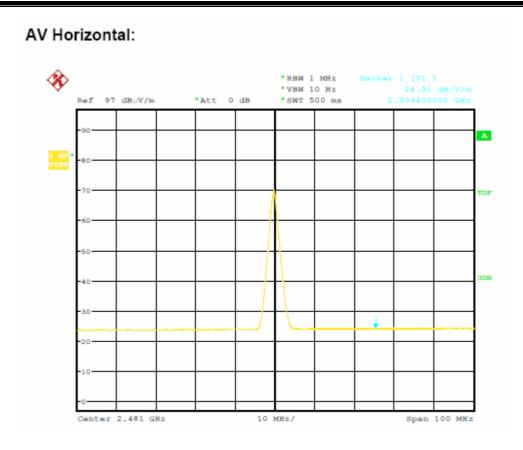


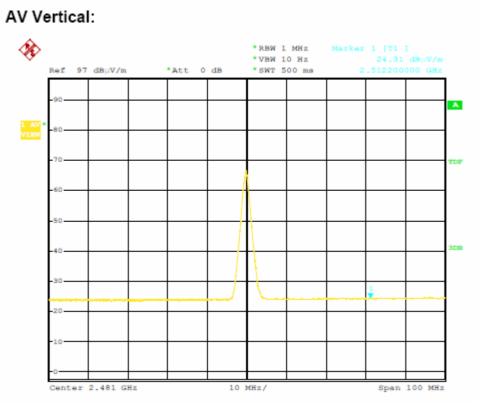


High Channel: 2481MHz









4. ANTENNA REQUIREMENT

According to 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 EUT has no antenna connector for printed antenna. Therefore the EUT complies with Section 15.203 of the FCC rules.

5. PHOTOGRAPH OF TEST

Radiated Emission test

(Below 1GHz)



(Above 1GHz)

