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FEDERAL COMMUNICATIONS COMMISSION
Registration number: 282399

Report No.: 03.10.1957EF
Page: 1 of 10
FCC ID: RP7JT600960

FCC TEST REPORT

Application No. : 03.10.1957E

Applicant : JUNGLETAC INTERACTIVE CO., LTD

FCC ID : RP7JT600960

Fundamental Frequency : 443.869Hz

Equipment under Test (EUT):

Name : TV MOTORBIKE

Model : RX-600, VR-960♣

♣ Please refer to section 3 of this report which indicates which model was actually tested and which are electric identical.

Standards : FCC PART 15, SUBPART C : 2002

Date of Receipt : 03 November 2003

Date of Test : 12 to 15 November 2003

Date of Issue : 26 December 2003

Test Result :

PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Kent Hsu
Laboratory Manager
SGS-CSTC Co., Ltd.

This report refers to the General Conditions for Inspection and Testing Services, printed overleaf

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the SGS PRODUCT CERTIFICATION MARK.. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



2 Contents

	Page
1 COVER PAGE.....	1
2 CONTENTS	2
3 GENERAL INFORMATION.....	3
3.1 CLIENT INFORMATION	3
3.2 DETAILS OF E.U.T.	3
3.3 DESCRIPTION OF SUPPORT UNITS.....	3
3.4 TEST LOCATION	3
3.5 OTHER INFORMATION	3
3.6 TEST FACILITY	4
4 TEST RESULTS.....	5
4.1 TEST INSTRUMENTS	5
4.2 E.U.T. OPERATION	5
4.3 TEST PROCEDURE & MEASUREMENT DATA.....	6
4.3.1 Radiated Emissions	6
5 PHOTOGRAPHS - TEST SETUP.....	8
6 PHOTOGRAPHS - EUT CONSTRUCTIONAL DETAILS.....	9-10

3 General Information

3.1 Client Information

Applicant: JUNGLETAC INTERACTIVE CO., LTD

Address of Applicant: No. 23 UG/F., Wing On Plaza, 62 Mody Road, Tsim Sha Tsui, Kowloon, H.K

3.2 Details of E.U.T.

Product Name: TV MOTORBIKE

Model: RX-600,VR-960♣

♣ Only one model was been tested since the models RX-600, VR-960. Their electrical circuit design, layout, components used and internal wiring are identical. Only the product description, model no. and the outer are different. Please refer to the facsimile from JUNGLETAC INTERACTIVE CO., LTD date 28 November 2003.

Power Supply: 6.0Vdc (4 x 'AA' Batteries)

3.3 Description of Support Units

The EUT was tested as an independent unit: a 433MHz radio transmitter.

3.4 Test Location

All tests were performed at:-

SGS-CSTC Standards Technical Services Ltd., Guangzhou Safety & EMC Laboratory, 1/F, Building No. 1, Agriculture Machinery Materials Company Warehouse Ltd., Wushan Road Shipai, Tianhe District, Guangzhou, China. P.C. 510630.

Tel: +86 20 3848 1001

Fax: +86 20 3848 1006

3.5 Other Information

The EUT passed the tests after modification.

3.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **NVLAP – Lab Code: 200611-0**
SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 2000611-0. Effective through February 2, 2003.
- **ACA**
SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our NVLAP accreditation.
- **VCCI**
The 3m Semi-anechoic chamber and Shielded Room (11.5m x 4m x 4m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-1599 and C-1706 respectively.
Date of Registration: February 28, 2003. Valid until May 30, 2005
- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FINKO**
Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.
- **CNAL – LAB Code: L0141**
SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAL/AC01:2002 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:1999 General Requirements) for the Competence of Testing Laboratories.
- **FCC – Registration No.: 282399**
SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 282399, May 31, 2002. With the above and NVLAP, SGS-CSTC is an authorized test laboratory for the DoC process.

4 Test Results

4.1 Test Instruments

Test Equipment	Manufacturer	Model	Asset No.	Cal. Due Date
Temperature, Humidity & Barometer	Oregon Scientific	BA-888	EMC0003	24-07-2004
3m Semi- Anechoic Chamber	Frankonia	N/A	EMC0501	04-12-2004
EMI Test Receiver	ROHDE & SCHWARZ	ESCS30	EMC0506	04-11-2004
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 30	EMC0521	01-04-2004
Bilog Type Antenna	Schaffner Chase	CBL6143	EMC0519	01-12-2004
Horn Antenna	ROHDE & SCHWARZ	HF906	EMC0517	01-04-2004
Peramplifier	Agilent	8449B	EMC0520	30-06-2004
Coaxial cable	SGS	N/A	EMC0514	30-06-2004

4.2 E.U.T. Operation

Input voltage: 6.0Vdc (4 x 'AA' Batteries)

Operating Environment:

Temperature: 24.0 °C
Humidity: 50 % RH
Atmospheric Pressure: 1006 mbar

EUT Operation:

Test in transmitting mode.

4.3 Test Procedure & Measurement Data

4.3.1 Radiated Emissions

4.3.1.1 Test in transmitting mode

Test Requirement: FCC Part15 C

Test Method: Based on FCC Part15 C Section 15.209

Test Date: 12 December 2003

Measurement Distance: 3m (Semi-Anechoic Chamber)

Frequency range 30 MHz – 5.0GHz for transmitting mode.

Limit:

40.0 dB μ V/m between 30MHz & 88MHz
43.5 dB μ V/m between 88MHz & 216MHz
46.0 dB μ V/m between 216MHz & 960MHz
54.0 dB μ V/m above 960MHz

Test instrumentation resolution bandwidth 120 kHz (30 MHz - 1000 MHz)

1 MHz (1000 MHz – 25GHz)

Receive antenna scan height 1 m - 4 m, polarization Vertical/Horizontal

Test Procedure: The procedure used was ANSI Standard C63.4-2000. The receiver was scanned from 30MHz to 5.0GHz. When an emission was found, the table was rotated to produce the maximum signal strength. An initial pre-scan was performed for in peak detection mode using the receiver. The EUT was measured for both the Horizontal and Vertical polarities and performed a pre-test three orthogonal planes.

The field strength is calculated by adding the Antenna Factor, Cable Factor & Peramplifier . The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Peramplifier Factor

The following test results were performed on the EUT on 12 December 2003:

1. Fundamental emission

Test Frequency (MHz)	Peak (dBuV/m)		Limits (dBuV/m)	Margin (dB)	
	Vertical	Horizontal		Vertical	Horizontal
433.860	43.8	42.9	66.0	22.2	23.1

Test Frequency (MHz)	Avergae (dBuV/m)		Limits (dBuV/m)	Margin (dB)	
	Vertical	Horizontal		Vertical	Horizontal
433.860	42.5	41.0	46.0	3.5	5.0

2. Harmonics & Spurious Emissions

Test Frequency (MHz)	Quasi-Peak (dBuV/m)		Limits (dBuV/m)	Margin (dB)	
	Vertical	Horizontal		Vertical	Horizontal
867.720	36.0	34.2	46.0	10.0	11.8

Test Frequency (MHz)	Avergae (dBuV/m)		Limits (dBuV/m)	Margin (dB)	
	Vertical	Horizontal		Vertical	Horizontal
1301.580	32.1	30.6	54.0	21.9	23.4
1735.440	33.8	34.0	54.0	20.2	20.0
2169.300	34.2	35.0	54.0	19.8	19.0
2603.160	35.7	36.2	54.0	18.3	17.8
3037.020	37.3	36.8	54.0	16.7	17.2
3470.880	37.0	36.5	54.0	17.0	17.5
3904.740	38.2	38.0	54.0	15.8	16.0
4338.600	37.8	37.2	54.0	16.2	16.8

Remark:

According to 15.35 (b) When average radiated emission measurements are specified in the regulations, including emission measurements below 1000 MHz, there is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules, e.g., see Section 15.255.

TEST RESULTS: The unit does meet the FCC requirements.