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FEDERAL COMMUNICATIONS COMMISSION
Registration number: 556682

TEST REPORT

Application No. :	SZEMO071002832RF(SGS SZ NO.: SZTYR071002605/EL)
Applicant:	GUANGDONG ALPHA ANIMATION AND CULTURE CO., LTD. (Former Name: GUANG DONG AULDEY TOY INDUSTRY CO., LTD.)
Manufacturer:	AULDEY
FCC ID:	VVAAD296700
Fundamental Frequency :	27.145MHz
Equipment Under Test (EUT):	
EUT Name:	HONDA Vivie TYPE-R / PEUGEOT 207 RCUP/SUZUKI SWIFT SPORRT / Lexus IS350
Item No.:	LC296680, LC296690, LC296720, LC296740, LC2296660, LC296670♣
♣	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
Labelled Age Grading:	AGE 6+
Country of Origin:	CHINA
Standards:	FCC PART 15, SUBPART C : 2007 Section 15.227
Date of Receipt:	16 October 2007
Date of Test:	16 October to 20 November 2007
Date of Issue:	21 November 2007
Test Result :	**PASS ***

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

Authorized Signature:

Robinson Lo
Laboratory Manager

2 Test Summary

Test	Test Requirement	Stanadard Paragraph	Result
Radiated Emission (30MHz to 1000MHz)	FCC PART 15 :2007	Section 15.227	PASS*
Occupied Bandwidth	FCC PART 15 :2007	Section 15.215	PASS

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radiated Frequency.

* The EUT passed the RE test after retest.

Remark:

Item No.: LC296680, LC296690, LC296720, LC296740, LC2296660, LC296670

Only the Item in the picture 5.3 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above items, with only difference being the outer decoration.

3 Contents

4 General Information

4.1 Client Information

Applicant Name:	GUANGDONG ALPHA ANIMATION AND CULTURE CO., LTD. (Former Name: GUANG DONG AULDEY TOY INDUSTRY CO., LTD.)
Applicant Address:	Auldey Ind Area, Wenguan Rd., (Central), Chenghai, Shantou, Guangdong, China

4.2 Details of E.U.T.

EUT Name:	HONDA Vivie TYPE-R / PEUGEOT 207 RCUP/SUZUKI SWIFT SPORRT / Lexus IS350
Item No.:	LC296680, LC296690, LC296720, LC296740, LC2296660, LC296670
Power Supply:	3.0V DC (2 * 1.5V 'AA' Size Batteries) for Tx. 3.0V DC (2 * 1.5V 'AA' Size Batteries) for Rx.
Power Cord:	N/A-

4.3 Description of Support Units

The EUT was tested as an independent unit: 27MHz radio transmitter.

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory, No.198 Kezhu Road, Science Town Economic & Technology Development District Guangzhou, China 510663

Tel: +86 20 8215 5555 Fax: +86 20 8207 5059

4.5 Other Information Requested by the Customer

None.

5 Test Results

5.1 Test Instruments

R&TTE RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (dd-mm-yy)**	**Cal.Due date (dd-mm-yy)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	16-06-2007	15-06-2009
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	14-12-2006	13-12-2007
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	01-06-2007	31-05-2008
5	Coaxial cable	SGS	N/A	SEL0027	20-10-2007	19-10-2008
6	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	03-04-2007	02-04-2008
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	27-06-2007	26-06-2008
8	Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	15-06-2007	14-06-2008

5.2 E.U.T. Operation

Input voltage:	3.0V DC (2 * 1.5V 'AA' Size Batteries)
Operating Environment:	
Temperature:	26.0 °C
Humidity:	51% RH
Atmospheric Pressure:	1004mbar
EUT Operation:	Test the EUT in transmitting mode.

5.3 Test Procedure & Measurement Data

5.3.1 Radiated Emissions

Test Requirement:	FCC Part15 C Section 15.227
Test Method:	ANSI C63.4-2003
Test Date:	16 October 2007(Initial Test) 08 November 2007(Retest)
Measurement Distance:	3m (Semi-Anechoic Chamber)
Requirements:	Carrier frequency will not exceed 80dBuV/m AT 3m. Out of band emissions shall not exceed: 40.0 dBμV/m between 30MHz & 88MHz 43.5 dBμV/m between 88MHz & 216MHz 46.0 dBμV/m between 216MHz & 960MHz 54.0 dBμV/m above 960MHz
Detector:	9kHz to 30MHz RBW=9KHz VBW=30KHz 30MHz to 1000MHz RBW=120KHz VBW=300KHz

Procedure:

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

7 27.145MHz Mode. For testing performed with the loop antenna, testing was performed in accordance to ANSI C63.4-2003 section 8.2.1. The The center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specied distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane.

Horizontal.

Test Frequency (MHz)	Peak (dBμV/m)			Limits (dBμV/m)	Margin (dB)		
	X	Y	Z		X	Y	Z
27.145	60.85	50.78	53.64	100.0	39.15	49.22	46.36

Test Frequency (MHz)	Average (dBμV/m)			Limits (dBμV/m)	Margin (dB)		
	X	Y	Z		X	Y	Z
27.145	55.55	46.28	50.16	80.0	24.45	33.72	29.84

Vertical.

Test Frequency (MHz)	Peak (dBμV/m)			Limits (dBμV/m)	Margin (dB)		
	X	Y	Z		X	Y	Z
27.145	74.35	68.27	70.03	100.0	25.65	31.73	29.97

Test Frequency (MHz)	Average (dBμV/m)			Limits (dBμV/m)	Margin (dB)		
	X	Y	Z		X	Y	Z
27.145	69.35	59.94	63.67	80.0	10.65	20.06	16.33

Y: EUT as per photograph in application document(setup).

X: As Y, but rotate EUT by 90° clockwise.

Z: As X, but rotate EUT by 90° vertically.

Horizontal.

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Peak Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)
78.625	1.06	7.61	28.00	38.72	19.39	40.00	-20.61
105.925	1.22	8.81	27.82	38.32	20.53	43.50	-22.97
133.225	1.29	7.84	27.58	38.46	20.01	43.50	-23.49
160.525	1.34	9.59	27.38	37.03	20.58	43.50	-22.92
215.125	1.49	10.97	27.07	35.19	20.58	43.50	-22.92
242.425	1.64	12.07	26.95	37.13	23.89	46.00	-22.11
650.950	2.81	20.68	27.44	31.36	27.41	46.00	-18.59
678.250	2.86	21.44	27.35	30.85	27.80	46.00	-18.20

Vertical.

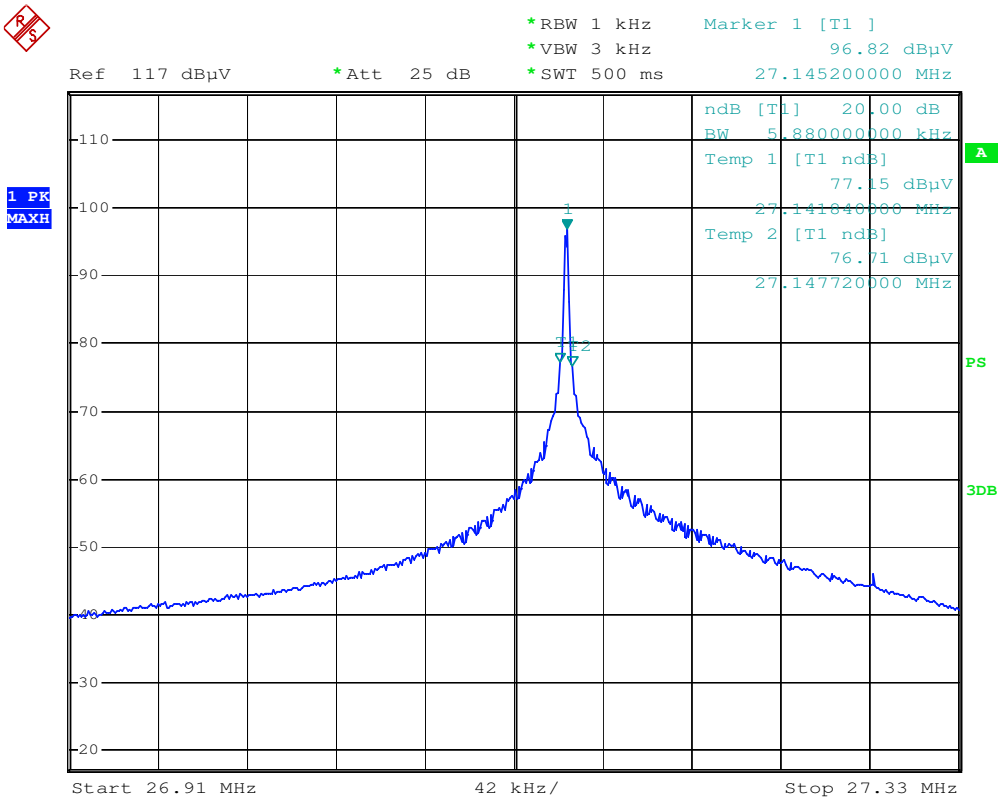
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Peak Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)
54.250	0.80	7.92	28.08	50.50	31.14	40.00	-8.86
78.625	1.06	7.61	28.00	43.23	23.90	40.00	-16.10
105.925	1.22	8.81	27.82	44.54	26.75	43.50	-16.75
160.525	1.34	9.59	27.38	46.20	29.75	43.50	-13.75
187.825	1.38	10.06	27.22	42.34	26.56	43.50	-16.94
215.125	1.49	10.97	27.07	50.91	36.30	43.50	-7.20
242.425	1.64	12.07	26.95	53.66	40.42	46.00	-5.58

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 Part 15 C Section 15.227 requirements.

5.3.2 Occupied Bandwidth

Test Requirement:	FCC Part 15 C Section 15.215 (C) and Section 15.227.
Test Method:	ANSI C63.4
	Operation within the band 26.960 – 27.280 MHz .
Test Date:	16 October 2007
Detector:	Peak
26.960–27.280MHz Mode.	
Requirements:	Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the 20 dB bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.
Method of measurement:	The useful radiated emission from the EUT was detected by the spectrum analyser with peak detector. The vertical Scale is set to 10dB per division. The horizontal scale is set to42KHz per division.



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Date: 16.OCT.2007 10:07:11

The results: The unit does meet the FCC Part 15 C Section 15.215 requirements