FCC-TEST REPORT

REPORT NO.: 25153/1/400F

FCC – Test Report Date: 2001-03-27

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FCC listed testlab acc. to Section 2.948 of the FCC - Rules

in compliance with the requirements of ANSI C63.4 - 1992

Product: R/C Snowboard -- 27 MHz

Transmitter

Model : 0203-27MHz

Applicant : WOWWEE LIMITED

Manufacturer: WOWWEE LIMITED

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LABORATORY - REPORT

APPLICANT: WOWWEE LIMITED
ADDRESS: Unit 301C, Energy Plaza

92 Granville Road

Tsimshatsui East, Kowloon

HONG KONG

DATE OF SAMPLE RECEIVED: 2001-01-04

DATE OF TESTING: 2001-03-27

DESCRIPTION OF SAMPLE:

Product: R/C Snowboard -- 27 MHz Transmitter

Manufacturer: WOWWEE LIMITED

Model number: 0203-27MHz

Rating: DC 9V ('6F22' Size Battery x 1)

Country of Origin: P.R. CHINA

INVESTIGATIONS Measurements to the relevant clauses of F.C.C. Rules and Regulations

REQUESTED: Part 15 Subpart C - Intentional Radiators

RESULTS: See the attached test sheets

CONCLUSIONS From the measurement data obtained, the tested sample was considered

to have COMPLIED with the requirements for the relevant clauses of Federal Communications Commission Rules as specified above.

Authorized Signature

Remark: Purpose of those tests in this report is to provide the applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under the FCC Equipment Authorization Program. The tests themselves are not Approval Tests

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Summary of Test Results

Interference Radiation:

Test result: O.K

Test data: See attached data sheet

Interference Voltage:

Test result: N.A. Test data: N.A.

Measurement of Emissions within Band Edges

Test result: O.K

Test data: See attached data sheet

PHOTOGRAPH OF THE SAMPLE



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TEST EQUIPMENT LIST

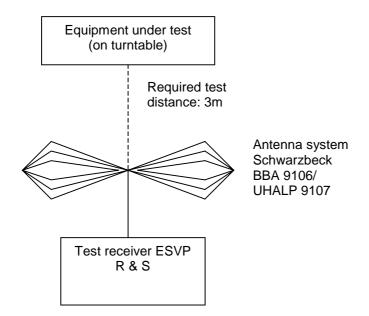
Equipment	Manufacturer	Model	Serial No.	Remark	
Test Receiver	Rohde & Schwarz	ESH 3	863497/015	10KHz – 30MHz	
Test Receiver	Rohde & Schwarz	ESVP	860688/022	25MHz – 1,300 MHz	
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127		2 x 10A, 50Ω, 50μH 10KHz-30MHz	
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107		30MHz – 1000MHz	
Antenna Mast System	Schwarzbeck	AM9104		Max. 4 meters height	
Spectrum Analyzer with Q. Peak	Tektronix	2712	B023006	9KHz – 1.8GHz	
Interface for Spectrum 2712					
Test Receiver	Rohde & Schwarz	ESH 3	892580/006	10KHz – 30MHz	
Test Receiver	Test Receiver Rohde & Schwarz ESVP		863512/012	25MHz – 1,300 MHz	
Impulse Limiter	Rohde & Schwarz	ESH-3-Z2			
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127		2 x 10A, 50Ω, 50μH 10KHz-30MHz	
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107		30MHz – 1000MHz	
Signal Generator	Rohde & Schwarz	SWS 2	879113/42	100KHz – 1040 MHz	
Digital Multimeter	Tektronix	DM2510G	DM- 2510GTW10555	10KHz – 30MHz	
Turntable with Controller	Drehtisch	DT312		ф120 cm	

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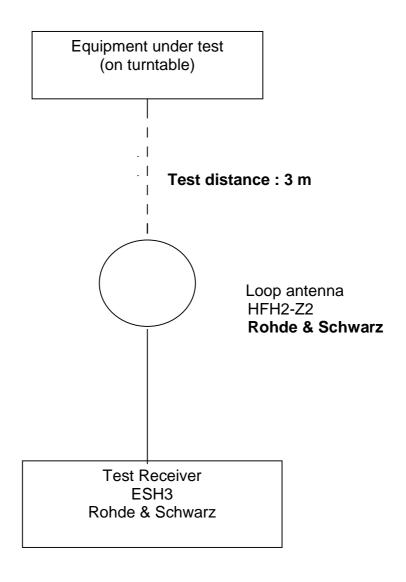
Radiated Emission Test Procedure



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Radiated Emission Test Procedure (< 30 MHz)



Interference Radiation

Measurement of Radiated Emissions (27MHz-1000MHz) Acc: FCC Part 15 Subpart C

IECC Ref:	24731/0/400F	Test Equipmen

 Model:
 6697
 Receiver: ESVP Rohde & Schwarz

 Applicant:
 CHI HONG TOY FACTORY LIMITED
 Antenna: Schwarzbeck BBA 9106 and UHALP 9107

Ser.Nr.: 1

Set under test: Radio Controlled Car

Connected sets:

Operating mode: Power "On"

		Frequency (MHz)	Rea	orz. ading ε(μV)	R	Vert. eading IB(µV)	Antenna Factor (dB)	Н	loriz. Test Result (µV/m)	Vert. Test Result (μV/m)	Limit (μV/m)
Harm.	2	54.28		16		25	10.2		20	58	100
Harm.	3	81.42	<	16		20	7.1	<	14	23	100
Harm.	4	108.56		16		20	11.6		24	38	150
Harm.	5	135.7	<	16	<	16	14.3	<	33	< 33	150
Harm.	6	162.84	<	16	<	16	15.6	٧	38	< 38	150
Harm.	7	189.98	<	16	<	16	16.3	<	41	< 41	150
Harm.	8	217.12	<	16	<	16	16.9	٧	44	< 44	200
Harm.	9	244.26	<	16	<	16	17.6	<	48	< 48	200
Harm.	10	271.4	<	16	<	16	18.5	٧	53	< 53	200
Harm.	11	298.54	<	16	<	16	19.9	<	62	< 62	200
Harm.	12	325.68	<	16	<	16	16.8	٧	44	< 44	200
Harm.	13	352.82	<	16	<	16	17.5	٧	47	< 47	200
Harm.	14	379.96	<	16	<	16	18.0	٧	50	< 50	200
Harm.	15	407.1	<	16	<	16	18.4	٧	53	< 53	200
Harm.	16	434.24	<	16	<	16	18.8	٧	55	< 55	200
Harm.	17	461.38	<	16	<	16	19.2	٧	57	< 57	200
Harm.	18	488.52	<	16	<	16	19.5	٧	60	< 60	200
Harm.	19	515.66	<	16	<	16	19.9	٧	62	< 62	200
Harm.	20	542.8	<	16	<	16	20.1	<	64	< 64	200
Harm.	21	569.94	<	16	<	16	20.5	٧	67	< 67	200
Harm.	22	597.08	<	16	<	16	20.9	٧	70	< 70	200
Harm.	23	624.22	<	16	<	16	21.2	٧	73	< 73	200
Harm.	24	651.36	<	16	<	16	21.6	<	76	< 76	200
Harm.	25	678.5	<	16	<	16	22.1	٧	80	< 80	200
Harm.	26	705.64	<	16	<	16	22.5	<	84	< 84	200
Harm.	27	732.78	<	16	<	16	22.8	<	88	< 88	200
Harm.	28	759.92	<	16	<	16	23.2	<	91	< 91	200
Harm.	29	787.06	<	16	<	16	23.5	<	95	< 95	200
Harm.	30	814.2	<	16	<	16	23.9	٧	99	< 99	200
Harm.	31	841.34	<	16	<	16	24.3	٧	103	< 103	200
Harm.	32	868.48	<	16	<	16	24.6	٧	107	< 107	200
Harm.	33	895.62	<	16	<	16	24.9	<	112	< 112	200
Harm.	34	922.76	<	16	<	16	25.4	<	117	< 117	200
Harm.	35	949.9	<	16	<	16	25.8	<	123	< 123	200
Harm.	36	977.04	<	16	<	16	26.2	<	128	< 128	500

Radiation Measurement below 30 MHz (using loop antenna):

Frequency (MHz)	Maximum Test Re	esult (dB(µV/m))	Limit (dB(µV/		
	<u>Peak</u>	<u>Average</u>	Peak	Average	
27.14	52	50	100	80	

Date:		

Operator: ___

■ O.K.

Test result:

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Notes for Radiation Measurement

1. Measurement facility:

Measurement facility located at Fanling (Hong Kong), placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules.

2. Distance between the EUT and measuring antenna:

3 meters.

3. Measuring instrumentations:

Rohde & Schwarz ESVP Test Receiver (20 - 1300 MHz) with a CISPR weighting QP detector, 6 dB bandwidth set at 120 KHz.

In the frequency range above 1000 MHz Spectrum Analyzer FMSM26 and Analyzer Display Unit FSA-D are used, bandwidth set at 100 kHz.

4. Measuring antenna:

Broad-band antenna for the frequency range 30 - 300 MHz and frequency range 300 - 1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the Antenna Factor for measurement data. The antennas are capable of measuring both horizontal and vertical polarizations.

In the frequnecy range above 1 GHz horn-antenna RGA 50/60 is used.

5. Frequency range scanned:

The frequency range 30 - 5000 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

6. Arrangement of EUT:

During the test, the sample was operated at rated supply voltage and arranged for maximum emissions.

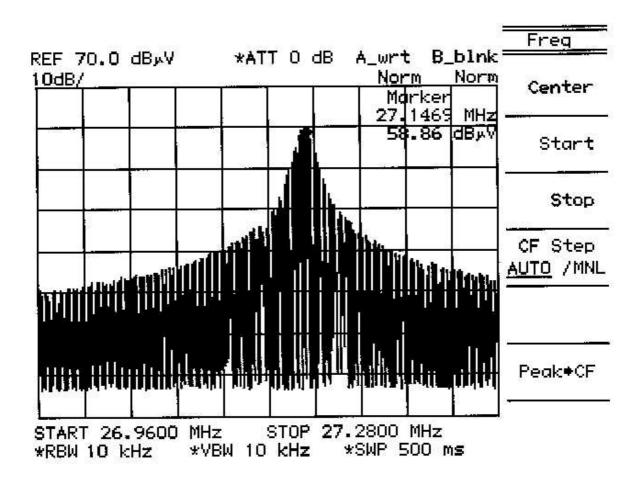
7. Measuring Procedure:

In accordance with the relevant sections of the American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'.

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Measurement Data of Emissions within Band Edges



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Notes for Measurement of Emissions within Band Edges

1. Measurement facility:

Measurement facility located at Fanling (Hong Kong) placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules.

2. Measuring instrumentations:

Spectrum Analyzer: Tektronix 2712

3. Frequency range scanned:

The frequency range acc. to FCC rules and regulations part 15 subpart C - Intentional Radiators.

4. Arrangement of EUT:

During the test, the sample was operated.

5. Measuring Procedure:

In accordance with the relevant sections of American National Standards Institute (ANSI) C63.4 - 1992 'Methods of Measurement od Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz'.