TEST REPORT

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No.: HM102145

APPLICANT: (CODE : NEB001)

NEW BRIGHT INDUSTRIAL CO., LTD. New Bright Building, 11 Sheung Yuet Road, Kowloon Bay, Hong Kong.

DATE OF SAMPLES RECEIVED: 2000-01-28

DATE OF TESTING: 2000-02-08

DESCRIPTION OF SAMPLE(S):

A sample of product said to be:Product:RADIO CONTROL TOY VEHICLE TRANSMITTERSManufacturer:NEW BRIGHT INDUSTRIAL CO., LTD.Model Number:TX-9244HBrand Name:NEW BRIGHTRating:3.0Vd.c. ("AA" size battery × 2)Origin:CHINA

INVESTIGATIONS REQUESTED:

Measurement to the relevant clauses of F.C.C. Rules and Regulations Part 15 Subpart C - Intentional Radiator.

RESULT/ REMARK:Please see attached sheet(s).

CONCLUSION:

From the measurement data obtained, the tested sample was considered to have COMPLIED with the clause 15.235 of Federal Communications Commission Rules and Regulations Part 15.

TEST EQUIPMENT AUDIT: Please see Appendix A

Law Man Kit

Testing Engineer

Kitty Choy Verify by Patrick Wong Patrick Wong for Managing Director

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TEST SUMMARY

*** INTENTIONAL RADIATOR ***

(1)	Measurement of Emission of RF energy on the carrier frequencySatisfactory
(2)	Measurement of the out-of band emissions including harmonicsSatisfactory
(3)	Measurement of Emission Within Band EdgesSatisfactory
(4)	Measurement of Line-Conducted Voltage onto AC Power LineNot applicable

<u>TEST DATA</u>

Please refer to the attached result sheets.

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*** INTENTIONAL RADIATOR ***

(1) Measurement of Radiated Interference

TEST REFERENCE	:	FCC Rules Part 15 Section 15.235(49.82-49.90 MHz)
TEST CONDITION	:	Normal
TEST DATE	:	2000-02-08

Emission of RF energy on the carrier frequency -- 49.860 MHz (PEAK VALUE)

Emission	Meter	Polarization		Antenna	Field Streng	FCC	
Frequency	Reading			Factor		-	Limit
MHz	dB(µV)	H-V		dB	dB(µV/m)	μV/m	μV/m
49.9	60.8	V	+	15.0	75.8	6165.9	100000

Emission of RF energy on the carrier frequency -- 49.860 MHz (AVERAGE VALUE)

Emission	Meter	Polarization		Antenna	Field Streng	FCC	
Frequency	Reading			Factor			Limit
MHz	dB(µV)	H-V		dB	dB(µV/m)	μV/m	μV/m
49.9	47.5	V	+	15.0	62.5	1333.5	10000

... to be continued

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*** INTENTIONAL RADIATOR ***

(1) <u>Measurement of Radiated Interference</u> ... Continued ...

TEST REFERENCE	:	FCC Rules Part 15 Section 15.235(49.82-49.90 MHz)
TEST CONDITION	:	Normal
TEST DATE	:	2000-02-08

The out-of-band emissions, including harmonics (25-1000 MHz) (CISPR VALUE)

Emission	Meter	Polarization		Antenna	Fie	eld Stren	gth (a	t 3m)	FCC Limit
Frequency	Reading			factor					
MHz	dB(µV)	H-V		dB		dB(µV)		μV/m	μV/m
99.7	20.6	Н	+	12.2		32.8		43.7	150
149.5	< 1.0		+	9.8	<	10.8	<	3.5	150
199.3	< 1.0		+	11.5	<	12.5	<	4.2	150
249.2	< 1.0		+	15.9	<	16.9	<	6.9	200
299.0	< 1.0		+	17.0	<	18.0	<	7.9	200
348.8	< 1.0		+	17.2	<	18.2	<	8.1	200
398.6	< 1.0		+	18.8	<	19.8	<	9.8	200
448.5	< 1.0		+	19.7	<	20.7	<	10.8	200
498.3	< 1.0		+	20.6	<	21.6	<	12.0	200
543.1	< 1.0		+	22.2	<	23.2	<	14.5	200
598.1	< 1.0		+	23.4	<	24.4	<	16.6	200
647.8	< 1.0		+	23.5	<	24.5	<	16.8	200
697.4	< 1.0		+	25.0	<	26.0	<	20.0	200
747.8	< 1.0		+	26.2	<	27.2	<	22.9	200
797.7	< 1.0		+	27.2	<	28.2	<	25.7	200
847.5	< 1.0		+	27.2	<	28.2	<	25.7	200
897.4	< 1.0		+	27.2	<	28.2	<	25.7	200
947.2	< 1.0		+	27.8	<	28.8	<	27.5	200
997.1	< 1.0		+	28.5	<	29.5	<	29.9	500

All data is within limits

Broad-band Antennas were used and both polarizations of emissions were measured. polarizations at highest reading indicated as:

H -- Horizontal

V -- Vertical

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*** INTENTIONAL RADIATOR ***

(2) Measurement of Emissions Within Band Edges.

TEST REFERENCE: FCC Rules Part 15 Section 15.235(49.82-49.90 MHz) TEST CONDITION: Normal TEST DATE : 2000-02-08

Please see exhibit of bandwidth

RESULTS AND NOTES

L: FCC Lower Band Ed	lge	> 49.820MHz				
H: FCC Higher Band E	dge	> 49.900MHz				
C: Unmodulated carrier	at frequency	> 49.860MHz				
D: No. of dB from unm	odulated carrier	> 59.20dB				
SPECTRUM ANALY	ZER SETTINGS					
Resolution bandwidth	: 1.0KHz					
Frequency span	: 10.0KHz/div					
No. of dB/div	: 10.0dB/div					
FCC Limit						
Minimum No. of dB from unmodulated carrier required : 26.0dB						

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NOTES FOR THE RADIATION MEASUREMENT

(1) <u>Test site facility:</u>

Open field test site located at Taipo (Hong Kong) with a metal ground plane on filed with the FCC pursuant to section 2.948 of the FCC rules.

- (2) <u>Distance between the EUT and measuring antenna:</u> 3 meters.
- (3) <u>Measuring instrumentations:</u>

CISPR Quasi-peak type field strength meter (25 MHz - 1000 MHz). 6 dB bandwidth set at 120KHz. Also, <u>peak</u> level of the fundamental emissions was measured in order to determine compliance with the 20dB peak to average limit specified in Section 15.35(b) of the FCC new Rules.

(4) <u>Measuring antenna:</u>

Broad band antenna for the frequency range 25-1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable. included in the Antenna Factor for measurement data. The antenna are capable of measuring both horizontal and vertical polarizations.

(5) Frequency range scanned:

The frequency range from 25 MHz to 1000 MHz had been searched. Readings of the highest emissions relating to the limit were reported as above.

- (6) <u>Arrangement of EUT:</u> During the test, the sample was operated at rated supply voltage and arranged for maximum emissions.
- (7) <u>Measuring Procedure:</u> In accordance with the relevant clauses of the FCC Rules Part 15 section 15.235.
- (8) <u>Measuring Uncertainty:</u> The calculated uncertainty for measurement performed at 3M test distance are:-30MHz to 300MHz = ± 3.7 dB, 300MHz to 1000MHz = ± 3.0 dB/-2.7dB.

Remark: Purpose of this test is to provide the Applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under FCC Equipment Authorization Program. This test itself is not an Approval Test.

*** End of Document ***