



BUREAU
VERITAS

TEST REPORT No: (5216)140-1033(D)(Revision)
Supersede Technical Report No.: (5216)140-1033(D)

RF EXPOSURE REPORT

To:	SILVERLIT TOYS MANFACTORY LTD
Attn:	Ms. May Choi
Address:	17 th Floor Word Trade Centre, 280 Gloucester Road, Causeway Bay, Hong Kong
Fax:	852-29162932
E-mail:	may@silverlit.com
Folder No.:	--

To:	-
Attn:	-
Address:	-
Fax:	-
E-mail:	-

Factory name:	SILVERLIT TOYS MANFACTORY LTD
Location:	17 th Floor Word Trade Centre, 280 Gloucester Road, Causeway Bay, Hong Kong
Product:	2.4 G Xcelsior MODEL: 84747RX

Please see exhibits – External Photo	Sample No:	(5216)140-1033
	Date of Receipt:	July 05, 2016
	Test date:	July 06, 2016 to August 01, 2016
	Test Requested:	FCC Part 2 (sction 2.1091)
	Test Method:	KDB 447498 D01 IEEE C95.1
	FCC ID:	OYK-FCC84747

The results given in this report are related to the tested specimen of the described electrical apparatus.

CONCLUSION: The submitted sample was found to COMPLY with requirement of FCC Part 15 Subpart C.

Authorized Signature:

	
Reviewed by: Keith Yeung	Approved by: Law Man Kit
Date: August 22, 2016	Date: August 22, 2016

BUREAU VERITAS HONG KONG LIMITED –
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
(5216)140-1033(D)	Original release	August 12, 2016
(5216)140-1033(D)(Revision)	Update product information	August 22, 2016

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1. CERTIFICATION

FCC ID:	OYK-FCC84747
PRODUCT:	2.4 G Xcelsoir
BRAND NAME:	Silverlit
MODEL NO.:	84747RX
ADDITIONAL NO.:	N/A
TEST SAMPLE:	Engineering Sample
APPLICANT:	Silverlit Toys Manfactory Ltd
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

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2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm ²)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout*G) / (4*pi*r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

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5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2.5	Wire Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	26.546	2.5	20	0.009391	1.0

--- END ---

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