



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

RF EXPOSURE REPORT

To:	SILVERLIT TOYS MANFACTORY LTD	To:	-
Attn:	Ms. May Choi	Attn:	-
Address:	17 th Floor Word Trade Centre, 280 Gloucester Road, Causeway Bay, Hong Kong	Address:	-
Fax:	852-29162932	Fax:	-
E-mail:	may@silverlit.com	E-mail:	-
Folder No.:	--		
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 (section 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 <u>COMPLY</u> 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 –
Kowloon Bay Office
 1/F Pacific Trade Centre,
 2 Kai Hing Road, Kowloon Bay,
 Kowloon, HONG KONG
 Tel: +852 2331 0888
 Fax: +852 2331 0889
www.cps.bureauveritas.com

This report is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. Our report is limited to the test samples identified herein. The results set forth in this report are not necessarily indicative or representative of the statistical quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof. You shall have thirty days from receipt of this report to request additional testing of the samples or to notify us of any errors or omissions relating to our report, provided, however, such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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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 Xcelsior
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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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

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