

Test Report No.:  
**FCC2020-0037-H**

## **RF Test Report**

**EUT** : **Galaxy Lite Star Projector  
Speaker**  
**MODEL** : **POLT01B**  
**BRAND NAME** : **N/A**  
**CLIENT** : **Shenzhen LUBANG  
Technology Co . , Ltd.**  
**Classification Of Test** : **Commission Test**

**Vkan Certification & Testing Co., Ltd.**



# Vkan Certification & Testing Co., Ltd.

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<b>Client</b>		Name : Shenzhen LUBANG Technology Co . , Ltd. Address : 2103, block A, building 6, Shenzhen International Innovation Valley (Building 2, phase 6, Vanke Cloud City), Dashi Road, Xili Street, Nanshan District, Shenzhen	
<b>Manufacturer</b>		Name : Shenzhen LUBANG Technology Co . , Ltd. Address : 2103, block A, building 6, Shenzhen International Innovation Valley (Building 2, phase 6, Vanke Cloud City), Dashi Road, Xili Street, Nanshan District, Shenzhen	
<b>Equipment Under Test</b>		Name : Galaxy Lite Star Projector Speaker Model/Type: POLT01B Trade mark : N/A Serial NO.: N/A Sampe NO.: 1-1	
Date of Receipt.	2020.12.28	Date of Testing	2020.12.28~2021.01.26
<b>Test Specification</b>		<b>Test Result</b>	
FCC Part 2 (Section 2.1091) KDB 447498 D01 IEEE C95.1		PASS	
<b>Evaluation of Test Result</b>		The equipment under test was found to comply with the requirements of the standards applied.  <b>Issue Date: 2021.01.26</b>	
Tested by:  Robert Cheng Name Signature		Reviewed by:  Andy Zhu Name Signature	Approved by:  Sam Tung Name Signature
<b>Other Aspects: NONE.</b>			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.			



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**RELEASE CONTROL RECORD**

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2020-0037-H	Original release	2021.01.26



## 1. GERTIFICATION

FCC ID	2AZCBPOLT01B202102
PRODUCT	Galaxy Lite Star Projector Speaker
BRAND	N/A
MODEL	POLT01B
ADDITIONAL MODEL	N/A
APPLICANT	Shenzhen LUBANG Technology Co . , Ltd.
STANDARDS	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

For trading purposes, the product is available in three different exterior colors

## 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 <sup>2</sup> )	AVERAGE TIME (minutes)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
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/cm<sup>2</sup>

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**.



5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	-0.58	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	0	+2	-2	2
8DPSK	2402-2480	0	+2	-2	2

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-0.72
8DPSK	2441	0.22

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	2	-0.58	20	0.0002759	1.0



## Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

Address of the laboratory:

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