



Report No.: PTC24080808201E-FC02

FCC TEST REPORT

FCC ID: 2BGP6-JG183-B36

Product	:	Bathroom mirror cabinet
Model Name	:	JG183-B36
Brand	:	LUVODI
Report No.	:	PTC24080808201E-FC02
Prepared for		
Shenzhen Lanbaosi Technology Co.,ltd		
Room 301,Building 14,Shen'ao Cultural Industrial Park,Bantian Street,Longgang District,Shenzhen,Guangdong,China		
Prepared by		
Precise Testing & Certification Co., Ltd.		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.		



Report No.: PTC24080808201E-FC02

TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Lanbaosi Technology Co.,Ltd

Address : Room 301,Building 14,Shen'ao Cultural Industrial Park,Bantian Street,Longgang District,Shenzhen,Guangdong,China

Manufacture's name : Shenzhen Lanbaosi Technology Co.,Ltd

Address : Room 301,Building 14,Shen'ao Cultural Industrial Park,Bantian Street,Longgang District,Shenzhen,Guangdong,China

Product name : Bathroom mirror cabinet

Model name : JG183-B36

Test procedure : FCC CFR47 Part 1.1307(b)(1)

Test Date : Aug. 15, 2024 to Sep. 11, 2024

Date of Issue : Sep. 19, 2024

Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of PTC, this document may be altered or revised by PTC, personal only, and shall be noted in the revision of the document.

Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



Contents

	Page
2 TEST SUMMARY	4
3 GENERAL INFORMATION	5
3.1 GENERAL DESCRIPTION OF E.U.T.	5
4 RF EXPOSURE	7
4.1 REQUIREMENTS	7
4.2 THE PROCEDURES / LIMIT	7
4.3 MPE CALCULATION METHOD	8
4.4 TEST RESULT	8



Report No.: PTC24080808201E-FC02

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Bathroom mirror cabinet
Model Name	:	JG183-B36
Specification	:	BT BDR+EDR
Operation Frequency	:	BT:2402-2480MHz
Number of Channel	:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Type of Modulation	:	79 channels
Antenna installation	:	PCBantenna
Antenna Gain	:	0.88 dBi
Rated Power Supply	:	100-120V ac 50Hz 60W
Hardware Version	:	V1.0
Software Version	:	V2.0

Additional model:

Model	Rating
JG183-B36-US	100-120V ac 50Hz 60W
JG183-B37-US	100-120V ac 50Hz 60W
JG183-B38-US	100-120V ac 50Hz 60W
JG183-B39-US	100-120V ac 50Hz 60W
JG183-B67-US	100-120V ac 50Hz 60W
JG183-B68-US	100-120V ac 50Hz 60W
JG183-B69-US	100-120V ac 50Hz 60W
JG183-B106-US	100-120V ac 50Hz 60W
JG183-B107-US	100-120V ac 50Hz 60W



JG183-B108-US	100-120V ac 50Hz 60W
JG183-B109-US	100-120V ac 50Hz 60W
JG183-B126-US	100-120V ac 50Hz 60W
JG183-B127-US	100-120V ac 50Hz 60W
JG183-B128-US	100-120V ac 50Hz 60W
JG183-B129-US	100-120V ac 50Hz 60W
JG183-B146-US	100-120V ac 50Hz 60W
JG183-B147-US	100-120V ac 50Hz 60W
JG183-B148-US	100-120V ac 50Hz 60W
JG183-B149-US	100-120V ac 50Hz 60W
JG183-B166-US	100-120V ac 50Hz 60W

Models Difference:

Only the name is different, everything else is the same.



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta_{\phi}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Test Mode	Test Frequency(MHz)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
3DH5	2480	1.224616	2.92	2.92±1	2.466039337	0.000600786	1	Pass