



BUREAU
VERITAS

Test Report No.: FM180801N043

RF EXPOSURE REPORT

Applicant	ZhongShan Longde S&T Techonology CO.,LTD
Address	No.33 Middle industry Avenue,XiaoLan Town,ZhongShan City,GuangDong Province, China.

Manufacturer or Supplier	ZhongShan Longde S&T Techonology CO.,LTD
Address	No.33 Middle industry Avenue,XiaoLan Town,ZhongShan City,GuangDong Province, China.
Product	Vanity Mirror Round LED 9inch with Speaker Bluetooth
Brand Name	Sharper Image
Model	1005839
Additional Model & Model Difference	1006922, 1006306, 1007078
Date of tests	Aug. 01, 2018 ~ Sep. 04, 2018

FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department

Date: Sep. 11, 2018

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BUREAU
VERITAS

Test Report No.: FM180801N043

TABLE OF CONTENTS

RELEASE CONTROL RECORD	3
1. CERTIFICATION.....	4
2. RF EXPOSURE LIMIT	5
3. MPE CALCULATION FORMULA.....	5
4. CLASSIFICATION	5
5. ANTENNA GAIN	6
6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



**BUREAU
VERITAS** Test Report No.: FM180801N043

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180801N043	Original release	Sep. 11, 2018



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1. CERTIFICATION

FCC ID:	ZWPBSM09A
PRODUCT:	Vanity Mirror Round LED 9inch with Speaker Bluetooth
BRAND NAME:	N/A
MODEL NO.:	1005839
ADDITIONAL NO.:	1006922, 1006306, 1007078
APPLICANT:	ZhongShan Longde S&T Techonology CO.,LTD
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

Note: Additional models 1006922, 1006306, 1007078 are identical with the test model 1005839 except the model number for marketing purpose.



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**.



BUREAU
VERITAS

Test Report No.: FM180801N043

5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	3	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	-5	+-2	-7	-3
8DPSK	2402-2480	-6	+-2	-8	-4

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-4.97
8DPSK	2441	-5.79

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	-3	3	20	0.000199	1.0

--- END ---