



BUREAU  
VERITAS

Test Report No.: FM180611N001

## RF EXPOSURE REPORT

Applicant	Ningbo ZhongKeLianSheng Imp & Exp. Co., Ltd
Address	15F, Huiyin international Building, No77, Baohua Street, East New City, Ningbo, Zhejing

Manufacturer or Supplier	Ningbo ZhongKeLianSheng Imp & Exp. Co., Ltd
Address	15F, Huiyin international Building, No77, Baohua Street, East New City, Ningbo, Zhejing
Product	Sound and Light Therapy Alarm Clock Bluetooth
Brand Name	Sharper image
Model	1006671
Additional Model & Model Difference	N/A
Date of tests	Jun. 11, 2018 ~ Jul. 03, 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: Jul. 24, 2018

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180611N001	Original release	Jul. 24, 2018



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## 1. CERTIFICATION

<b>FCC ID:</b>	2AP6T-1006671
<b>PRODUCT:</b>	Sound and Light Therapy Alarm Clock Bluetooth
<b>BRAND NAME:</b>	Sharper image
<b>MODEL NO.:</b>	1006671
<b>ADDITIONAL NO.:</b>	N/A
<b>APPLICANT:</b>	Ningbo ZhongKeLianSheng Imp & Exp. Co., Ltd
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



## 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)
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/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	-3	+-2	-5	-1
8DPSK	2402-2480	-3	+-2	-5	-1

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-2.84
8DPSK	2441	-2.96

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	-1	0.58	20	0.000181	1.0

--- END ---