



Test Report No.: FM180613N088

RF EXPOSURE REPORT

Applicant	Jiangmen Honetian Technology Co., Ltd
Address	No.438 Wuyi Road Jianghai District Jiangmen City Guangdong Province China

Manufacturer or Supplier	Jiangmen Honetian Technology Co., Ltd
Address	No.438 Wuyi Road Jianghai District Jiangmen City Guangdong Province China
Product	Diffuser Ultrasonic Wood Lid and glass LED with Sound Bluetooth 360ml
Brand Name	Sharper Image
Model	1005566
Additional Model & Model Difference	1006751, 1007098, 1007100, see items 1
Date of tests	Jun. 13, 2018 ~ Jul. 17, 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 Ryan Lu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Aug. 21, 2018

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Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

Tel: +86 769 8593 5656
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM180613N088	Original release	Aug. 21, 2018

Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

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1. CERTIFICATION

FCC ID:	2AQLI-HTTTST
PRODUCT:	Diffuser Ultrasonic Wood Lid and glass LED with Sound Bluetooth 360ml
BRAND NAME:	Sharper Image
MODEL NO.:	1005566
ADDITIONAL NO.:	1006751, 1007098, 1007100
APPLICANT:	Jiangmen Honetian Technology Co., Ltd
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTE:

1. Additional models 1006751, 1007098, 1007100 are identical with the test model 1005566 except the model number and appearance for trading 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

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

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**.



5. ANTENNA GAIN

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

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	1.2	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	-2	+/-1	-3	-1
8DPSK	2402-2480	-4	+/-1	-5	-3

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-1.99
8DPSK	2402	-4.15

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	-1	1.2	20	0.000208	1.0

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