

RF EXPOSURE REPORT

Applicant	MerchSource LLC
Address	7755 Irvine Center Drive, Irvine, CA 92618

Manufacturer or Supplier	29213
Address	---
Product	Vanity Mirror Round LED 8inch with Speaker Bluetooth
Brand Name	Sharper Image
Model	1009154
Additional Model & Model Difference	1010651
Date of tests	Jun. 22, 2019 ~ Nov. 12, 2019

☒ 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 Assistant Manager / EMC Department
	
	Date: Dec. 12, 2019

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**BUREAU
VERITAS**

Test Report No.: FM190621N040

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190621N040	Original release	Dec. 12, 2019

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1. CERTIFICATION

FCC ID:	2AEVM1009154
PRODUCT:	Vanity Mirror Round LED 8inch with Speaker Bluetooth
BRAND NAME:	Sharper Image
MODEL NO.:	1009154
ADDITIONAL NO.:	1010651
APPLICANT:	MerchSource LLC
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

Note: Additional model 1010651 is identical with the test model 1009154 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

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

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	3.3	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)
LE-GFSK	2402-2480	2	+/-1	1	3

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
LE-GFSK	2440	2.21

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	3	3.3	20	0.000849	1.0

--- END ---