Certificate # 2951.01

RF EXPOSURE REPORT

Applicant	MerchSource, LLC
Address	7755 Irvine Center Drive, Suite 100, Irvine, CA 92618

Manufacturer or Supplier	MerchSource, LLC
Address	7755 Irvine Center Drive, Suite 100, Irvine, CA 92618
Product	Vanity Mirror LED 9inch Double Sided with Speaker Bluetooth
Brand Name	Sharper Image
Model	1015867
Additional Model & Model Difference	101XXXX (where XXXX can be digits 0000-9999 which represent different customers);see items 1
Date of tests	Jun. 15, 2022 ~ Jun. 20, 2022

☒ **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 Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Jul. 13, 2022

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2206WDG0023	Original release	Jul. 13, 2022

1. CERTIFICATION

FCC ID:	2AEVM1015867
PRODUCT:	Vanity Mirror LED 9inch Double Sided with Speaker Bluetooth
BRAND NAME:	Sharper Image
MODEL NO.:	1015867
ADDITIONAL NO.:	101XXXX (where XXXX can be digits 0000-9999 which represent different customers)
APPLICANT:	MerchSource, LLC
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTES:

1. Additional models 101XXXX (where XXXX can be digits 0000-9999 which represent different customers) are identical in circuitry and electrical ,mechanical and physical construction with the test model 1015867 except the appearance and trade name and model no. 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

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

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	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	-2	+-1	-3	-1
BLE 1Mbps	2402-2480	-3	+-1	-4	-2
BLE 2Mbps	2402-2480	-5	+-1	-6	-4

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	-1.34
8DPSK	2480	-2.02
BLE 1Mbps	2480	-3.59
BLE 2Mbps	2440	-5.41

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-1	0	20	0.000158	1.0

Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.

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