



BUREAU VERITAS

Test Report No.: FM190621N040



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**

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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

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

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**.



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 ---