

# MPE TEST REPORT

Report No.: SHE20010035-01CE

Date: 2020-4-18

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**Applicant** : Shanghai Goodview Electronics Technology Co., Ltd.  
**Address of Applicant** : Room 866, NO.888, West Huanhu 2 Road,  
NanhuiXincheng Town, Pudong, Shanghai, China

**Product Name** : Double-sided digital poster installation/Ultrathin Digital  
Poster  
**Model No.** : D\*\*\*\*\*  
**Sample No.** : E20010035-01#01  
**FCC ID** : 2AVB8YLDH

**Standards** : FCC Part 2.1093  
OET Bulletin 65 Edition 97-01 June 2001

**Date of Receipt** : 2020-1-06  
**Date of Test** : 2020-1-06 ~ 2020-4-18  
**Date of Issue** : 2020-4-18

**Remark:**

*This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.*

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| Revision Record |            |           |            |
|-----------------|------------|-----------|------------|
| Version         | Date       | Revisions | Revised By |
| 1.0             | 2019-12-10 | Original  | --         |
|                 |            |           |            |

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## 1 General Information

### 1.1 Testing Laboratory

|              |                                                       |
|--------------|-------------------------------------------------------|
| Company Name | ICAS Testing Technology Services (Shanghai) Co., Ltd. |
| Address      | No.1298 Pingan Rd, Minhang District, Shanghai, China  |
| Telephone    | 0086 21-51682999                                      |
| Fax          | 0086 21-54711112                                      |
| Homepage     | www.icasiso.com                                       |

### 1.2 Environmental conditions

|                                   |          |
|-----------------------------------|----------|
| Temperature (°C)                  | 18-25    |
| Humidity (%RH)                    | 40-65    |
| Barometric Pressure (mbar)        | 960-1060 |
| Ambient noise & Reflection (W/kg) | < 0.012  |

### 1.3 Details of Application

|                |                                                                                    |
|----------------|------------------------------------------------------------------------------------|
| Company Name   | Shanghai Goodview Electronics Technology Co., Ltd.                                 |
| Address        | Room 866, NO.888, West Huanhu 2 Road, NanhuiXincheng Town, Pudong, Shanghai, China |
| Contact Person | Hongyue. Xu                                                                        |
| Telephone      | 15618060409                                                                        |
| Email          | xuhongyue@goodview.com                                                             |

### 1.4 Details of EUT

|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Name      | Double-sided digital poster installation/Ultrathin Digital Poster                                                      |
| Brand Name        | GOODVIEW                                                                                                               |
| Model No.         | D*****<br>(*=A to Z, 0 to 9,blank,just difference in appearance color,sales area customer code ,and software version ) |
| FCC ID            | 2AVB8YLDH                                                                                                              |
| Mode of Operation | WLAN 802.11b/g/n(HT20);<br>Bluetooth BR/EDR                                                                            |
| Frequeny Range    | 2400MHz ~ 2483.5MHz                                                                                                    |
| Antenna Type      | External Antenna                                                                                                       |
| Antenna Gain      | 3 dBi                                                                                                                  |

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## 2 Maximum Permissible Exposure (MPE)

### 2.1 Limits

According to FCC Part 1.1307, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the commission's guidelines.

**TABLE 1—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> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposure</b>         |                               |                               |                                     |                          |
| 0.3-3.0                                                        | 614                           | 1.63                          | *100                                | 6                        |
| 3.0-30                                                         | 1842/f                        | 4.89/f                        | *900/f <sup>2</sup>                 | 6                        |
| 30-300                                                         | 61.4                          | 0.163                         | 1.0                                 | 6                        |
| 300-1,500                                                      |                               |                               | f/300                               | 6                        |
| 1,500-100,000                                                  |                               |                               | 5                                   | 6                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 0.3-1.34                                                       | 614                           | 1.63                          | *100                                | 30                       |
| 1.34-30                                                        | 824/f                         | 2.19/f                        | *180/f <sup>2</sup>                 | 30                       |
| 30-300                                                         | 27.5                          | 0.073                         | 0.2                                 | 30                       |
| 300-1,500                                                      |                               |                               | f/1500                              | 30                       |
| 1,500-100,000                                                  |                               |                               | 1.0                                 | 30                       |

f = frequency in MHz \* = Plane-wave equivalent power density

### 2.2 Assessment methods

Calculation Formula from FCC OET 65:

$$S = \frac{P * G}{4 * \pi * R^2}$$

Where:

S = Power Density (mW/cm<sup>2</sup>)

P = Input Power of the Antenna (mW)

G = Antenna Gain Relative to an Isotropic Antenna

R = Distance from the Antenna to the Point of Investigation (cm)

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## 2.3 Test Result

| Operation Mode | Frequency Range (MHz) | Max Conducted Power (dBm) | Antenna Gain (dBi) | Max EIRP (mW) | Power Density at R = 20 cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------|-----------------------|---------------------------|--------------------|---------------|--------------------------------------------------|-----------------------------|
| WLAN 2.4GHz    | 2400 ~ 2483.5         | 13.3                      | 3                  | 42.66         | 0.0085                                           | 1.0                         |
| Bluetooth      | 2400 ~ 2483.5         | 8.78                      | 3                  | 15.07         | 0.0030                                           | 1.0                         |

### Note(s):

For 300 – 1,500MHz: Power Density limit is  $f/1500$  mW/cm<sup>2</sup>

For 1,500 – 100,000MHz: Power Density limit is 1.0 mW/cm<sup>2</sup>

## 2.4 Conclusion

The Power Density at the position which is 20 cm far from the EUT is smaller than the General Population/Uncontrolled Exposure limit.

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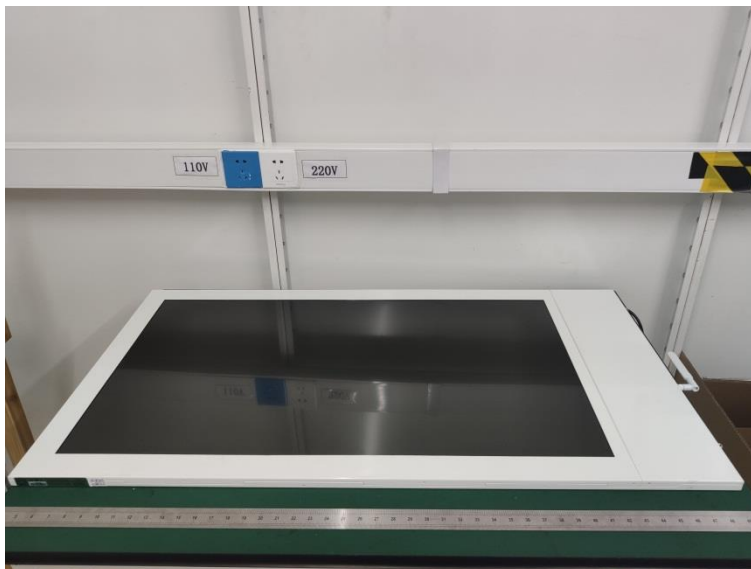
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## 3 Appendixes

### 3.1 Sample Photograph



Front of the sample

\*\*\*End of the report\*\*\*