

# FCC RF Exposure

Product Name: LED smart screen

FCCID: 2BC4C-HCZ002

Model(s): HCZ-002, HCZ-001, HCZ-003, HCZ-004, HCZ-005, HCZ-006, HCZ-007, HCZ-008, HCZ-009, HCZ-010

## 1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 The 1 - g and 10 - g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:  
[(max power of channel, including tune - up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1 - g SAR and  $\leq 7.5$  for 10 - g extremity SAR,

Where:

Result =  $P/D \cdot \sqrt{F}$

F = the RF channel transmit frequency in GHz

P = Maximum turn - up power in mw

D = Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

| Frequency (MHz)                                                                                                                    | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result | Limit (mW/cm <sup>2</sup> ) | SAR Test Exclusion |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------|---------------------------------|--------|-----------------------------|--------------------|
| 2480                                                                                                                               | -0.15              | 0 ± 1               | 1/1.26                   | 5                               | 0.397  | 3.0                         | Pass               |
| Note:<br>PK Output power = conducted power.<br>Conducted power see the test report <b>HK2303291140-E</b> , antenna gain = -0.58dBi |                    |                     |                          |                                 |        |                             |                    |

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.397 which is  $\leq 3$ , RF Exposure testing is not required.

Note: Exclusion Thresholds Results = [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(\text{GHz})}]$

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Distance = 5mm