



## KSIGN (Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,  
Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China  
Tel.: + (86)755-29852678 Fax: + (86)755-29852397 E-mail: info@gdkesign.cn Website: www.gdkesign.com

# RF Exposure Evaluation

FCC ID: 2A54U-DTXMAX

## REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v07, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

## TEST RESULT

☒ Passed

☐ Not Applicable

BT

| Test mode | Channel Frequency (MHz) | Max. Measured Power (dBm) | Tune up tolerance (dBm) | Max. Tune up Power (dBm) | Maximum Output Power (mW) | Calculating data | Limit | Results |
|-----------|-------------------------|---------------------------|-------------------------|--------------------------|---------------------------|------------------|-------|---------|
| DH5       | 2402                    | 4.82                      | 4±1                     | 5                        | 3.16                      | 0.9802           | 3.00  | Pass    |
|           | 2441                    | 3.92                      | 3±1                     | 4                        | 2.51                      | 0.7849           |       |         |
|           | 2480                    | 2.55                      | 2±1                     | 3                        | 2.00                      | 0.6284           |       |         |
| 2DH5      | 2402                    | 5.11                      | 5±1                     | 6                        | 3.98                      | 1.2340           |       |         |
|           | 2441                    | 4.38                      | 4±1                     | 5                        | 3.16                      | 0.9881           |       |         |
|           | 2480                    | 3.01                      | 3±1                     | 4                        | 2.51                      | 0.7911           |       |         |
| 3DH5      | 2402                    | 5.39                      | 5±1                     | 6                        | 3.98                      | 1.2340           |       |         |
|           | 2441                    | 4.47                      | 4±1                     | 5                        | 3.16                      | 0.9881           |       |         |
|           | 2480                    | 3.32                      | 3±1                     | 4                        | 2.51                      | 0.7911           |       |         |



## KSIGN (Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,  
Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China  
Tel.: + (86)755-29852678 Fax: + (86)755-29852397 E-mail: info@gdkesign.cn Website: www.gdkesign.com

### BLE

| Test mode | Channel Frequency (MHz) | Max. Measured Power (dBm) | Tune up tolerance (dBm) | Max. Tune up Power (dBm) | Maximum Output Power (mW) | Calculating data | Limit | Results |
|-----------|-------------------------|---------------------------|-------------------------|--------------------------|---------------------------|------------------|-------|---------|
| GFSK_1M   | 2402                    | 5.68                      | 5±1                     | 6                        | 3.98                      | 1.2340           | 3.00  | Pass    |
|           | 2440                    | 5.44                      | 5±1                     | 6                        | 3.98                      | 1.2437           |       |         |
|           | 2480                    | 5.16                      | 5±1                     | 6                        | 3.98                      | 1.2539           |       |         |
| GFSK_2M   | 2402                    | 5.65                      | 5±1                     | 6                        | 3.98                      | 1.2340           |       |         |
|           | 2440                    | 5.48                      | 5±1                     | 6                        | 3.98                      | 1.2437           |       |         |
|           | 2480                    | 5.2                       | 5±1                     | 6                        | 3.98                      | 1.2539           |       |         |

#### Note:

- The maximum antenna gain is -0.7dBi.
- The exposure safety distance is less than 5mm.
- This device does not support simultaneous Transmitter.

**--THE END--**