



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

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,  
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# RF Exposure Evaluation

FCC ID: 2AXPW-MD002

## REQUIREMENT

KDB447498 D01 General RF Exposure Guidance v06, 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 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      | 2402                    | -2.16                     | -2.16 $\pm$ 1           | -1.16                    | 0.77                      | 0.24             | 3.00  | Pass    |
|           | 2440                    | -2.4                      | -2.4 $\pm$ 1            | -1.4                     | 0.72                      | 0.23             |       |         |
|           | 2480                    | -2.22                     | -2.22 $\pm$ 1           | -1.22                    | 0.76                      | 0.24             |       |         |

BT EDR

| 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                    | -2.09                     | -2.09 $\pm$ 1           | -1.09                    | 0.78                      | 0.24             | 3.00  | Pass    |
|           | 2441                    | -2.29                     | -2.29 $\pm$ 1           | -1.29                    | 0.74                      | 0.23             |       |         |
|           | 2480                    | -2.18                     | -2.18 $\pm$ 1           | -1.18                    | 0.76                      | 0.24             |       |         |



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| 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 |
|-----------|-------------------------|---------------------------|-------------------------|--------------------------|---------------------------|------------------|-------|---------|
| 2DH5      | 2402                    | -1.46                     | -1.46±1                 | -0.46                    | 0.90                      | 0.28             | 3.00  | Pass    |
|           | 2441                    | -1.7                      | -1.7±1                  | -0.7                     | 0.85                      | 0.27             |       |         |
|           | 2480                    | -1.34                     | -1.34±1                 | -0.34                    | 0.92                      | 0.29             |       |         |

| 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 |
|-----------|-------------------------|---------------------------|-------------------------|--------------------------|---------------------------|------------------|-------|---------|
| 3DH5      | 2402                    | -1.13                     | -1.13±1                 | -0.13                    | 0.97                      | 0.30             | 3.00  | Pass    |
|           | 2441                    | -1.56                     | -1.56±1                 | -0.56                    | 0.88                      | 0.27             |       |         |
|           | 2480                    | -1.4                      | -1.4±1                  | -0.4                     | 0.91                      | 0.29             |       |         |

Note:

- The maximum antenna gain is 3.5dBi
- The exposure safety distance is less than 5mm.

\*\*\*\*\*THE END\*\*\*\*\*