



# KSIGN (Guangdong) Testing Co., Ltd.

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## RF Exposure Evaluation

FCC ID: 2AHYV-EKEYB

### 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**

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                    | -8.44                     | -8 $\pm$ 1              | -7                       | 0.20                      | 0.0618           | 3.00  | Pass    |
|           | 2440                    | -8.79                     | -8 $\pm$ 1              | -7                       | 0.20                      | 0.0623           |       |         |
|           | 2480                    | -9.46                     | -9 $\pm$ 1              | -8                       | 0.16                      | 0.0499           |       |         |
| GFSK_2M   | 2402                    | -8.22                     | -8 $\pm$ 1              | -7                       | 0.20                      | 0.0618           |       |         |
|           | 2440                    | -8.65                     | -8 $\pm$ 1              | -7                       | 0.20                      | 0.0623           |       |         |
|           | 2480                    | -9.23                     | -9 $\pm$ 1              | -8                       | 0.16                      | 0.0499           |       |         |

Note:

-The maximum antenna gain is 0dBi.

-The exposure safety distance is less than 5mm.

-This device does not support simultaneous Transmitter.

**--THE END--**