

RF Exposure Evaluation

FCC ID: 2ATQ9-M8

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 ≤ 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 5.0

| 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 | -5.07 | -5.07±1 | -4.07 | 0.39 | 0.032 | 3.00 | Pass |
| | 2441 | -3.95 | -3.95±1 | -2.95 | 0.51 | 0.042 | | |
| | 2480 | -3.79 | -3.79±1 | -2.79 | 0.53 | 0.043 | | |
| π /4-DQPSK | 2402 | -4.53 | -4.53±1 | -3.53 | 0.44 | 0.037 | | |
| | 2441 | -3.48 | -3.48±1 | -2.48 | 0.56 | 0.046 | | |
| | 2480 | -3.30 | -3.30±1 | -2.30 | 0.59 | 0.048 | | |

Note:

-The maximum antenna gain is -0.58dBi

-The exposure safety distance is less than 5mm.

*****THE END*****