



Shenzhen CTA Testing Technology Co., Ltd.

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RF Exposure Evaluation

FCC ID: 2A3A7-DA

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

| Test mode | Channel Frequency (MHz) | Max. Measured Power (dBm) | Max. Tune up tolerance Power (dBm) | Max. Tune up tolerance Power (mW) | Calculating data | Limit | Results |
|----------------|-------------------------|---------------------------|------------------------------------|-----------------------------------|------------------|-------|---------|
| 802.11b | 2412 | 9.56 | 8.6±1 | 9.12 | 2.8328 | 3.00 | Pass |
| | 2437 | 9.21 | 8.6±1 | 9.12 | 2.8475 | | |
| | 2462 | 8.59 | 8.6±1 | 9.12 | 2.8620 | | |
| 802.11g | 2412 | 7.76 | 7±1 | 6.31 | 1.9598 | | |
| | 2437 | 7.31 | 7±1 | 6.31 | 1.9700 | | |
| | 2462 | 6.69 | 7±1 | 6.31 | 1.9800 | | |
| 802.11n (HT20) | 2412 | 8.01 | 7.5±1 | 7.08 | 2.1990 | | |
| | 2437 | 7.69 | 7.5±1 | 7.08 | 2.2103 | | |
| | 2462 | 7.08 | 7.5±1 | 7.08 | 2.2216 | | |
| 802.11 (HT40) | 2422 | 7.67 | 7.5±1 | 7.08 | 2.2035 | | |
| | 2437 | 7.44 | 7.5±1 | 7.08 | 2.2103 | | |
| | 2452 | 7.10 | 7.5±1 | 7.08 | 2.2171 | | |

Conclusion:

For the max result: $2.8620 \leq 3$ for FCC SAR, No RF exposure evaluation is required.

Note: The exposure safety distance is less than 5mm.

--THE END--

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