

RF Exposure Evaluation

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

Type	Channel(MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
802.11b	2412	19.73	19.73	0.0373	3.00	Pass
802.11g	2412	19.43	19.43	0.0348	3.00	Pass
802.11n(H20)	2412	19.52	19.52	0.0355	3.00	Pass
802.11n(H40)	2422	17.38	17.38	0.0217	3.00	Pass

Note:

- 1) The maximum antenna gain is 3.0dBi
- 2) The exposure evaluation safety distance is 20mm.