

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

$f(\text{GHz})$ 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	Maximum conducted output power(dBm)
802.11b	8.50 ~ 9.50
802.11g	7.00~8.00
BT+EDR	-2.00 ~1.00

Maximum Output Power (dBm)	Calculating data	Limit	Result
9.50	2.81	3.00	Pass

Note:

- 1) The maximum antenna gain for WiFi is 3dBi and 0dBi for BT.
- 2) The exposure safety distance is 5mm.